Product Catalog

Water Source Heat Pump Axiom™ Rooftop

Standard Efficiency

3 to 25 Tons 60 Hz

November 2024

WSHP-PRC038A-EN

Introduction

Rooftop Water Source Heat Pumps

Trane's customers demand products that provide exceptional reliability, meet stringent performance requirements, and are competitively priced. Trane delivers with Axiom™ rooftop features.

Axiom™ rooftop features cutting edge technologies: reliable compressors, Trane-engineered Symbio controls, computer-aided run testing, and Integrated Comfort™ Systems. So, whether you're the contractor, the engineer, or the owner you can be certain Axiom™ rooftop products are built to meet your needs.

Through the years, Trane has designed and developed the most complete line of Packaged Rooftop products available in the market today. Trane was the first to introduce the Micro—microelectronic unit controls—and has continued to improve and revolutionize this design concept.

Symbio control platform offers the same great features and functionality as the original Micro, with additional benefits for greater application flexibility.

With its sleek, compact cabinet, Axiom™ rooftop continues to provide the highest standards in quality and reliability, comfort, ease of service, and the performance of Trane light commercial products.

Copyright

Trademarks

Table of Contents

Features and Benefits

Features

Note: *Equipment feature availability is dependent on unit configuration. For more information, see Water Source Heat Pump Axiom™ Quick Reference Support Guide (WSHP-PRC032*-EN), the ordering system, or contact product support.*

Table 1. Cabinet size

Unit Size (Tons)	Model Number Digits 4, 5, 6	Model
		GSK
3	036	A.0
4	048	
5	060	
6	072	B.0
7.5	090	
8.5	102	
10	120	C.0
12.5	150	D.0
15	180	
17.5	210	
20	240	D.1
25	300	

Table 2. Axiom™ rooftop features – standard and optional

	Standard Features	Options		
		Factory Installed	Factory or Field Installed	Field Installed
1-year Limited Parts Warranty	X			
5-year Limited Compressor Warranty	X			
2 inch Filter	X			
2 inch MERV 8 Filters		X		
2 inch MERV 13 Filters		X		
Access Doors		X		
Access Door (Control Box)	X			
Access Panels	X			
Anti-Short Cycle Timer (Standard with Symbio)	X			
Barometric Relief			X	
CO_2 Sensor				X
Clogged Filter Switch			X	
Condensate Overflow Switch			X	
Convertible Airflow	X			
Colored and Numbered Wiring	X			
Crankcase Heaters	X			
Direct Drive Plenum Fan	X			
Discharge Air Temperature Sensing Kit — MZVAV, SZVAV, Economizer	X			
Discharge Air Temperature Sensing Kit — Standard (Multispeed)			X	
Economizer: Low Leak — Downflow			X	
Economizer: Low Leak — Horizontal				X

Table 2. Axiom™ rooftop features – standard and optional (continued)

	Standard Features	Options		
		Factory Installed	Factory or Field Installed	Field Installed
Economizer: Standard — Convertible (3 to 10 Tons)			X	
Economizer: Standard — Downflow			X	
Economizer: Standard — Horizontal				X
Electric Heater			X	
Expansion Modules			X	
Fault Detection and Diagnostics (FDD)	X			
Filter Removal Tool	X			
Foil-Faced and Edge Protected Insulation	X			
Frostat™	X			
High Pressure Control	X			
High Static/Oversized Motor		X		
High Temperature Sensor				X
IAQ Dual Sloped Composite Drain Pan	X			
Leak Detection System	X			
Liquid Line Refrigerant Drier	X			
Low Pressure Control	X			
Manual Outside Air Damper			X	
Motorized Outside Air Damper			X	
Multispeed Direct Drive Motors	X			
Multiple Zone VAV (Variable Air Volume)		X		
Operating Charge of R-454B	X			
Phase Balance/Loss/Reversal Protection	X			
Phase Monitor	X			
Power Exhaust				X
Powered or Unpowered Convenience Outlet		X		
Quick Adapt Curbs				X
Reference or Comparative Enthalpy			X	
Roof Curb				X
Single Point Power	X			
Single Side Service	X			
Smoke Detector - Return		X		
Smoke Detector - Supply		X		
Stainless Steel Drain Pan		X		
Standardized Components	X			
Symbio Controls	X			
Thermal Expansion Valve	X			
Through-the-Base Condensate	X			
Through-the-Base Electrical Access		X		
Through-the-Base Electrical with Circuit Breaker		X		
Through-the-Base Electrical with Disconnect Switch		X		
Variable Air Flow (SZVAV)/Variable Air Flow (MZVAV)		X		
Ventilation Override				X

Control Options

Note: *For more information, see Water Source Heat Pump Axiom™ Features and Accessories (WSHPPRC032*- EN), the ordering system, or contact product support.*

Table 3. Axiom™ rooftop control options — standard and optional

	Standard Features	Options		
		Factory Installed	Factory or Field Installed	Field Installed
Dual Thermistor Remote Zone Sensor				X
Symbio Service and Installation App	X			
Symbio 700 Advanced Module			X	
Humidity Sensor/Humidistat				X
Thermostat				X
Wireless Zone Sensor				X
Zone Sensor				X
LonTalk® Communication Interface (LCI)			X	
Trane® Air-Fi® Wireless Communication Interface (WCI)		X		

Note: For more information, reference the Controls chapter.

Accessories

Note: *Accessory availability is dependent on unit configuration. Some accessories may require additional accessories/options for full functionality. For more information, see Water Source Heat Pump Axiom™ Quick Reference Support Guide (WSHP-PRC032*-EN), the ordering system, or contact product support.*

Table 4. Accessories

FIA KIT	DESCRIPTION
FIABARM001*	Barometric Relief
FIABARM002*	Barometric Relief
FIABARM003*	Barometric Relief
FIACLFS001*	Clogged Filter Switch
FIACLFS002*	Clogged Filter Switch (MERV13)
FIACLFS003*	Clogged Filter Switch
FIACLFS004*	Clogged Filter Switch (MERV13)
FIACLFS005*	Clogged Filter Switch Standard and MERV 8 filter
FIACLFS006*	Clogged Filter Switch MERV 13 filter
FIACURB401*	Roof Curb
FIACURB402*	14-inch Full Perimeter Knockdown Curb
FIACURB403*	14-inch Full Perimeter Knockdown Curb
FIACURB404*	14-inch Full Perimeter Knockdown Curb
FIACURB802*	18-inch Full Perimeter Knockdown Curb
FIACURB803*	18-inch Full Perimeter Knockdown Curb
FIACURB804*	18-inch Full Perimeter Knockdown Curb
FIADAST001*	Discharge Air Sensing Tube Kit T/W
FIADAST003*	Discharge Air Sensing Tube Kit
FIADAST004*	Discharge Air Sensing Tube Kit
FIADAST005*	Discharge Air Sensing Tube Kit
FIADAST006*	Discharge Air Sensing Tube Kit
FIADAST007*	Discharge Air Sensing Tube Kit
FIADAST008*	Discharge Air Sensing Tube Kit

Table 4. Accessories (continued)

FIA KIT	DESCRIPTION
FIADMPR001*	Manual Outside Air Damper 0-50%
FIADMPR002*	Manual Damper
FIADMPR003*	Manual Damper
FIADMPR101*	Motorized Outside Air Damper 0-50%
FIADMPR102*	Motorized Damper
FIADMPR103*	Motorized Damper
FIAECON001*	Dry Bulb Economizer 0-100%
FIAECON002*	Dry Bulb Economizer
FIAECON003*	Dry Bulb Downflow Economizer
FIAECON101*	Low Leak Econ - Dry Bulb
FIAECON102*	Dry Bulb Downflow Low Leak
FIAECON103*	Dry Bulb Downflow Low Leak
FIAECON201*	Horizontal Low Leak Dry Bulb Economizer
FIAECON202*	Dry Bulb Horizontal Low Leak
FIAECON203*	Dry Bulb Horizontal Low Leak
FIAECON303*	Dry Bulb Horizonal Economizer
FIAEHTA306*	6kW, 208-230V Electric Heater
FIAEHTA312*	12kW, 208-230V Electric Heater
FIAEHTA318*	18kW, 208-230V Electric Heater
FIAEHTA323*	23kW, 208-230V Electric Heater
FIAEHTA406*	6kW, 460V Electric Heater
FIAEHTA412*	12kW, 460V Electric Heater
FIAEHTA418*	18kW, 460V Electric Heater
FIAEHTA423*	236kW, 460V Electric Heater
FIAEHTAW06*	6kW, 575V Electric Heater
FIAEHTAW12*	12kW, 575V Electric Heater
FIAEHTAW18*	18kW, 575V Electric Heater
FIAEHTAW23*	23kW, 575V Electric Heater
FIAEHWB306*	6kW, 208-230V Electric Heater
FIAEHWB309*	9kW, 208-230V Electric Heater
FIAEHWB312*	12kW, 208-230V Electric Heater
FIAEHWB318*	18kW, 208-230V Electric Heater
FIAEHWB323*	23kW, 208-230V Electric Heater
FIAEHWB327*	27kW, 208-230V Electric Heater
FIAEHWB336*	36kW, 208-230V Electric Heater
FIAEHWB354*	54kW, 208-230V Electric Heater
FIAEHWB406*	6kW, 460V Electric Heater
FIAEHWB409*	9kW, 460V Electric Heater
FIAEHWB412*	12kW, 460V Electric Heater
FIAEHWB418*	18kW, 460V Electric Heater
FIAEHWB427*	27kW, 460V Electric Heater
FIAEHWB436*	36kW, 460V Electric Heater
FIAEHWB454*	54kW, 460V Electric Heater
FIAEHWBW06*	6kW, 575V Electric Heater

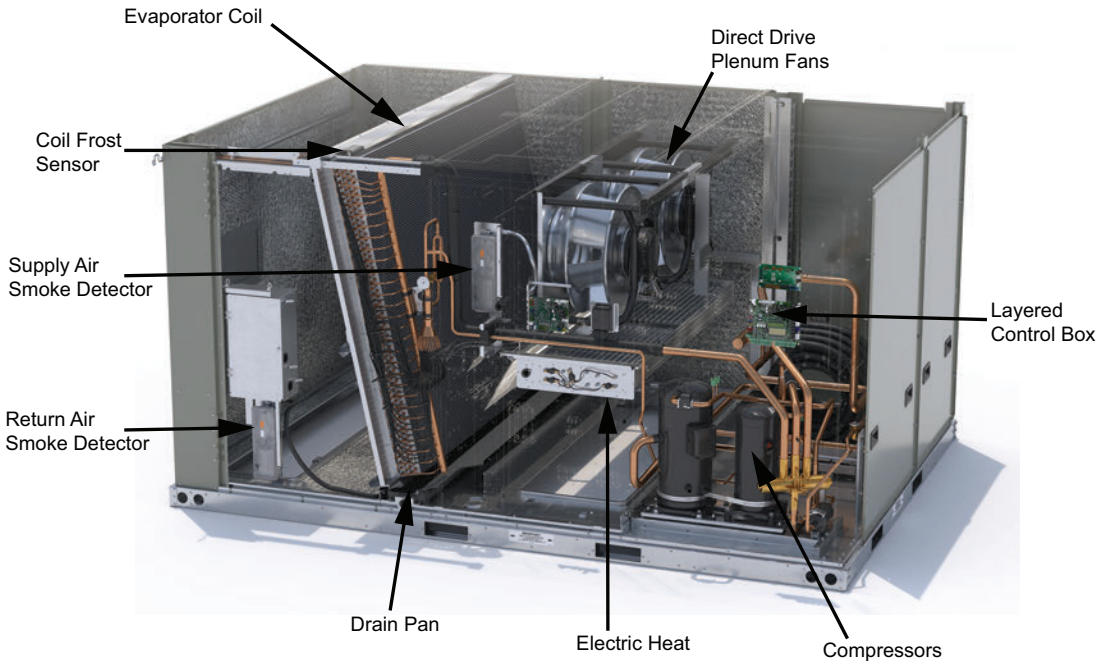
Table 4. Accessories (continued)

FIA KIT	DESCRIPTION
FIAEHWBW09*	9kW, 575V Electric Heater
FIAEHWBW12*	12kW, 575V Electric Heater
FIAEHWBW18*	18kW, 575V Electric Heater
FIAEHWBW27*	27kW, 575V Electric Heater
FIAEHWBW36*	36kW, 575V Electric Heater
FIAEHWBW54*	54kW, 575V Electric Heater
FIAEHWC318*	18kW, 208-230V Electric Heater
FIAEHWC327*	27kW, 208-230V Electric Heater
FIAEHWC336*	36kW, 208-230V Electric Heater
FIAEHWC354*	54kW, 208-230V Electric Heater
FIAEHWC418*	18kW, 460V Electric Heater
FIAEHWC427*	27kW, 460V Electric Heater
FIAEHWC436*	36kW, 460V Electric Heater
FIAEHWC454*	54kW, 460V Electric Heater
FIAEHWCW18*	18kW, 575V Electric Heater
FIAEHWCW27*	27kW, 575V Electric Heater
FIAEHWCW36*	36kW, 575V Electric Heater
FIAEHWCW54*	54kW, 575V Electric Heater
FIAEHWD318*	18kW, 208-230V Electric Heater
FIAEHWD336*	36kW, 208-230V Electric Heater
FIAEHWD354*	54kW, 208-230V Electric Heater
FIAEHWD372*	72kW, 208-230V Electric Heater
FIAEHWD418*	18kW, 460V Electric Heater
FIAEHWD436*	36kW, 460V Electric Heater
FIAEHWD454*	54kW, 460V Electric Heater
FIAEHWD472*	72kW, 460V Electric Heater
FIAEHWDW18*	18kW, 575V Electric Heater
FIAEHWDW36*	36kW, 575V Electric Heater
FIAEHWDW54*	54kW, 575V Electric Heater
FIAEHWDW72*	72kW, 575V Electric Heater
FIAENTH001*	Reference Enthalpy Economizer Control
FIAENTH002*	Comparative Enthalpy Economizer Control
FIAHZDC001*	Horizontal Conversion Panel
FIAPWRX301*	Power Exhaust 230V
FIAPWRX302*	Power Exhaust 230V
FIAPWRX303*	Power Exhaust 230V
FIAPWRX401*	Power Exhaust 460V
FIAPWRX402*	Power Exhaust 460V
FIAPWRX403*	Power Exhaust 460V
FIAPWRXW01*	Power Exhaust 575V
FIAPWRXW02*	Power Exhaust 575V
FIAPWRXW03*	Power Exhaust 575V
FIAQACB026*	Adapter Curb, BAYCURB026 to FIACURB403/803
FIAQACB027*	Adapter Curb, BAYCURB027 to FIACURB403/803

Table 4. Accessories (continued)

FIA KIT	DESCRIPTION
FIAQACB042*	Adapter Curb, BAYCURB042 to FIACURB402/802
FIAQACB043*	Adapter Curb, BAYCURB043 to FIACURB403/803
FIAQACB044*	Adapter Curb, BAYCURB044 to FIACURB402/802

Key Benefits



Airflow Distribution

Airflow is outstanding. Axiom™ rooftop can replace an older machine with old ductwork and, in many cases, improve the comfort through better air distribution.

Cabinet Integrity

For added water integrity, Axiom™ rooftop has a raised 1-inch lip around the supply and return of the downflow units to prevent water from blowing into the ductwork.

CO_2 Sensor — Demand Control Ventilation (DCV)

Demand-controlled ventilation (DCV) is a control strategy that responds to the actual demand (need) for ventilation by regulating the rate at which the HVAC system brings outdoor air into the building. A CO_2 sensor measures the concentration (parts per million, ppm) of CO_2 (carbon dioxide) in the air. As the CO_2 concentration changes, the outside air damper modulates to meet the current ventilation needs of the zone. The CO_2 sensor kit is available as a field installed accessory and wires directly to the Symbio 700 controller.

Control Options

Controls — Symbio™

Note: *For more information, see Water Source Heat Pump Axiom™ Features and Accessories (WSHPPRC032*- EN), the ordering system, or contact product support.*

Enhanced BAS Integration and Connectivity

- Open standard communications
  - BACnet® over Zigbee1 (Air-Fi Wireless)
  - BACnet MS/TP
  - BACnet IP
  - Modbus® RTU
  - Modbus TCP/IP
  - LonTalk®
- Securely access, troubleshoot, and monitor equipment from anywhere via Trane Connect™

Serviceability

- Wireless mobile app interface (iOS and Android) to simplify startup/service
- On-board user interface
- Data trending
- Real-time, clear language diagnostics
- Historical alarm logs
- Backup and Restore functionality to reduce commissioning and service time

Flexibility

- Future-ready upgradable software, supporting changing codes and new sequences of operation
- Standard, consistent pre-engineered applications that meet industry standards
- Built-in Schedules (requires Tracer® TU)
- Expandable inputs and outputs (requires Tracer TU)
- Ability to add custom programmed sequences (requires Tracer TU)

Accessibility

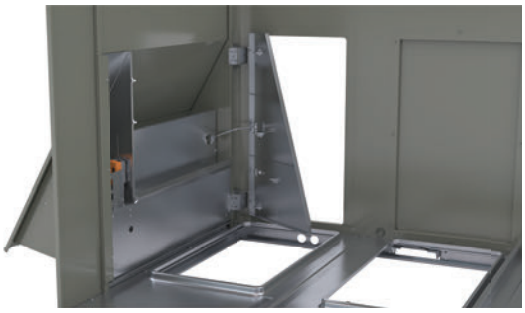
Control box consists of a multilevel design with Symbio™ Controls located on hinged panels which provide protection from high voltage components for ease of servicing.

Convenience Outlet

This option is GFCI, 120V/15A, 2 plug, convenience outlet powered or GFCI, 120V/20A, 2 plug convenience outlet unpowered. This option can be ordered when through the base electrical with either the disconnect switch or circuit breaker option is ordered.

Convertible Units

Units ship in a downflow configuration and can be easily converted to horizontal by simply removing two panels. Optional field accessory kits required for 12.5 to 25 ton units.



Direct Drive Supply Fans

All A.0 cabinet units are equipped with direct drive fan design featuring:

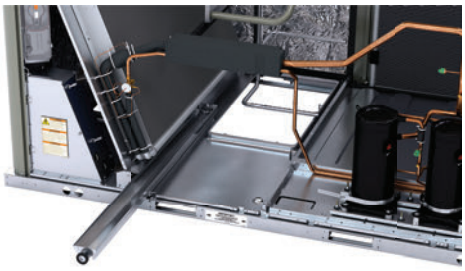
- Direct drive indoor motor with 5-speed taps for 3 to 5 ton units

All B.0, C.0, D.0 and D.1 cabinet units are equipped with a direct drive supply fan design featuring:

- External rotor direct drive variable speed indoor motor
- Variable speed adjustment available in Symbio™ controller
- Designed to slide out for ease of maintenance

Drain Pan

Every Axiom unit has an easy-to-clean, composite, removable, dual-sloped drain pan (IAQ). On units with A.0, B.0 or C.0 size cabinets, the drain pan is modifiable, allowing installation of the drain trap on either side of the unit or through the base.



Fault Detection and Diagnostics (FDD)

This offering meets the mandatory requirement of CA Title 24 of fully configurable diagnostics allowing fault history and reading fault codes at the unit via Symbio™ 700 board or app. This feature provides detection of the following faults: Air temperature sensor failure/fault and notification of acceptable economizer mode. The FDD system shall be certified by the Energy Commission as meeting the requirements.

Flexibility

Axiom™ rooftop offers ultimate flexibility. Units are built to order in our standard ship cycle time.

High Efficiency Filtration

Axiom™ rooftop units offer a variety of high efficiency filtration options. MERV 8 and MERV 13 filters provide additional filtration beyond the capabilities of typical 2 inches throwaway filters.

High Static Motor

The high static motor option provides additional capabilities beyond the standard motor. Available on select models, as shown in general data tables.

Hinged Access Doors

These doors permit easy access to the filter, fan and compressor/control sections. They reduce the potential roof damage from screws or sharp access door corners.

Note: *Unit shown is representative of 12.5 to 25 ton units. Other sizes may vary.*

Humidity Sensor/Humidistat

The humidity sensor/humidistat, when used in conjunction with our dehumidification (hot gas reheat) units will provide outstanding humidity control and comfort. Humidity sensors can be wall or duct mounted. The humidity deadband can be set between 40% and 60% relative humidity.

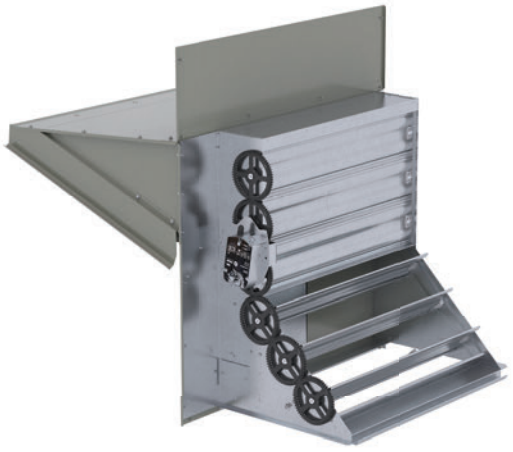
Leak Detection System

The Leak Detection System (LDS) consists of one or more refrigerant detection sensors and is required in ducted HVAC systems that have more than 3.91 lbs of A2L refrigerant charge, per safety standard UL 60335-2-40. For any units with more than 3.91 lbs of charge in a circuit, an LDS will be factory-installed. Having the leak detector installed in the factory by the manufacturer on applicable units reduces the risk of improper installation in the field as well as bypassing the added cost in the field for installation, leading to peace of mind that the right solution has been applied to your unit.

Low Leak Economizer

This accessory meets low leak requirements for ASHRAE 90.1, IECC, and CA Title 24 standards (4 cfm/ft^2@1" wg exterior air/return air). This option allows 100% outdoor air supply from 0 to 100% modulating dampers and is standard with barometric relief. It can be paired with powered exhaust for additional building pressure relief. This option can be paired with or without fault detection and diagnostics (FDD) to meet current mandatory CA Title 24 requirements.

The economizers come with four control options, dry bulb, reference enthalpy, comparative enthalpy, or differential dry bulb.



Note: *Downflow low leak economizer is available as a factory installed option. Horizontal low leak economizer option is only available as a field installed option.*

Multi-Speed Indoor Fan System

Note: *Not available with 3 to 5 ton units.*

This system incorporates a multi-speed fan control to change the speed of the fan to 66% of full airflow based off of compressor stages.

Multiple-Zone VAV (MZVAV)

Note: *Not available with 3 to 5 ton units.*

MZVAV is a system that consists of a packaged rooftop unit that serves several individually controlled zones. Each zone is equipped with a VAV terminal unit that varies the quantity of air delivered to maintain the desired temperature in that zone. The rooftop unit controller varies the speed of the indoor fan to maintain the static pressure in the supply ductwork at a setpoint, verifying that all zones receive required air. Cooling capacity is cycled to maintain the supply air temperature at the desired setpoint.

Other Benefits

- Cabinet design ensures water integrity
- Ease of Service, Installation and Maintenance
- Mixed model build enables “fastest in the industry” ship cycle times
- Outstanding Airflow Distribution
- Symbio Controls

Quick Adapt Curbs

Enables easy upgrade of existing Voyager™ units to Axiom™ rooftop units on replacement jobs.

Rigorous Testing

All of the Axiom™ rooftop designs were rigorously rain tested at the factory to ensure water integrity.

Actual shipping tests were performed to determine packaging requirements. Units were test shipped around the country to determine the best packaging design. Factory shake and drop tests were used as part of the package design process to help assure that the unit arrives at the job site in top condition.

Rigging tests include lifting a unit into the air and letting it drop one foot, assuring that the lifting lugs and rails hold up under stress.

We perform a 100 percent coil leak test at the factory. The assembled unit is leak tested to 465 psig.

All parts are inspected at the point of final assembly. Sub-standard parts are identified and rejected immediately.

Every unit receives a 100 percent unit run test before leaving the production line to make sure it meets rigorous requirements.

Single Zone VAV (SZVAV)

Note: *Not available with 3 to 5 ton units.*

SZVAV is fully integrated into the control system. It provides the simplest and fastest commissioning in the industry through proven factory-installed, wired, and tested system controllers. All control modules, logic boards and sensors are factory installed and tested to ensure the highest quality and most reliable system available. This means no special programming of algorithms, or hunting at the jobsite for field installed sensors, boards, etc. SZVAV is a quick and simple solution for many applications and is available from your most trusted rooftop VAV system solution provider.

Building system modeling in energy simulation software such as TRACE is recommended to evaluate performance improvements for your application.

Supply/Return Air Smoke Detector

Note: *Supply side smoke detector is not available with A.0 cabinet units.*

With this option installed, if smoke is detected, all unit operation will be shut down. Reset will be manual at the unit. In order for the supply air smoke detector or return air smoke detector to properly sense smoke in the supply air stream or the return air stream, the air velocity entering the smoke detector unit must be between 500 to 4000 feet per minute. Equipment covered in this manual will develop an airflow velocity that falls within these limits over the entire airflow range specified in the evaporator fan performance table. Supply and/or return smoke detectors may not be used with the plenum smoke detector.

Through-the-Base Condensate

Through-the-base condensate drain connections, available on A.0, B.0, and C.0 cabinet units, allow the drain to be connected through the roof curb, and avoid the need for roof modification.

Through-the-Base Electrical Access

An electrical service entrance shall be provided allowing electrical access for both control and main power connections inside the curb and through-the-base of the unit. Option will allow for field installation of liquid-tight conduit and an external field installed disconnect switch.

Ventilation Override

Ventilation override allows the unit to transition to up to three different pre-programmed sequences for smoke purge, pressurization, and exhaust. The transition occurs when a binary input on the Customer Connection Module is closed (shorted). This would typically be a hard wired relay output from a smoke detector or fire control panel. The Customer Connection module that allows ventilation override is available as a field installed accessory (FIASCCM001).

Application Considerations

A2L Application Considerations

This product is listed to UL standard 60335-2-40, Household and Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers, which defines safe design and use strategies for equipment using A2L refrigerants. This standard limits the refrigerant concentration in a space in the event of a refrigerant leak. To meet the requirements, the UL standard defines minimum room area, refrigerant charge limit, minimum circulation airflow and/or ventilation airflow requirements, and limits the use of ignition sources in spaces. The standard may require a unit refrigerant leak detection system.

For equipment with R-454B and charge amounts less than or equal to 3.91 lbs per circuit, this UL standard does not prescribe a room area limit and does not require a refrigerant leak detection system or any circulation airflow or ventilation airflow mitigation strategies. However, ignition sources in ductwork must be evaluated.

Depending on the application, a specific requirement of ANSI/ASHRAE Standard 15, Safety Standard for Refrigeration Systems, could be more stringent than UL 60335-2-40 requirements. See *Refrigeration Systems and Machinery Rooms Application Considerations for Compliance with ASHRAE® Standard 15-2022 Application Engineering Manual* (APP-APM001*-EN) for more information.

Minimum Room Area Limits (Refrigerant charge greater than 3.91 lb per circuit)

Equipment with R-454B charge amounts greater than 3.91 lb per circuit may require additional circulation or ventilation airflow mitigation strategies. In this case, two minimum room area (A_{min}) thresholds:

- The first threshold defines when equipment serving a single room is required to provide circulation airflow, either continuous or activated by a leak detection system. A ducted system requires circulation airflow unless the smallest room it serves is larger than the adjusted A_{min} threshold. This product contains a leak detection system if a circuit charge is greater than 3.91 lbs. As a result, no further leak detection system evaluation is required.
- The second threshold defines when additional ventilation airflow is required. If the room area, A or TA, is below the adjusted A_{min} or TA_{min} threshold, additional ventilation is required to remove refrigerant in the event of a leak. Refer to UL 60335-2-40 Clause GG.8 and ANSI\ASHRAE Standard 15 Section 7 for natural and mechanical ventilation requirements. For minimum room area, see equipment nameplate or unit Installation, Operation, and Maintenance (IOM) manual.

Minimum Room Area (A_{min}) Adjustments

- **Altitude:** The A_{min} threshold changes with altitude. Multiple the altitude adjustment factor in the following table by Amin shown on the unit nameplate or in the Installation, Operation, and Maintenance (IOM) manual.

Table 5. Altitude adjustment factor

Altitude (ft)	Sea Level to 2000	2001 to 4000	4001 to 6000	6001 to 8000	8001 to 10000	10001 to 12000	12001 to 14000	14001 to 15000	Over 15000
A_{min} Adjustment	1	1.05	1.11	1.17	1.24	1.32	1.41	1.51	1.57

- **Height :** A_{min} can be adjusted if the unit is installed in a room at a height higher than the minimum height shown on the unit. Multiply A_{min} by the ratio of the unit minimum release height (in meters) / actual release height (in meters).
- **Institutional Occupancies:** For institutional occupancies, ASHRAE Standard 15 applies an additional adjustment factor, FOCC, to the amount of charge allowed in a space. To calculate the adjusted A_{min} for institutional occupancies, divide the A_{min} on the nameplate by 0.5.

Determining Room Area (A or TA)

The room area (A) is the room area enclosed by the projection to the floor of the walls, partitions, and doors of the space that the equipment serves. For ducted systems, total room area (TA) of all rooms connected by ducts, may be used instead of A.

Rooms connected by drop ceilings only are not considered a single room.

Rooms on the same floor of the building, and connected by an open passageway, can be considered part of the same room if the passageway is a permanent opening, extends to the floor and is intended for people to walk through.

Adjacent rooms on the same floor of the building and connected by permanent openings in the walls and/or doors between rooms (including gaps between the wall and the floor), can be considered part of the same room if the openings meet the following criteria.

- The opening is permanent and cannot be closed.
- Openings extending to the floor, such as door gaps, need to be at least 20 mm above the floor covering surface.
- Natural ventilations opening areas must meet the requirements of ANSI\ASHRAE Standard 15-2022, Section 7.2.3.2.

Rooms that are connected by a mechanical ventilation system can be considered a single room area if the mechanical ventilation system meets the requirements of ANSI\ASHRAE Standard 15-2022, Section 7.6.4.

Leak Detection System (Refrigerant charge greater than 3.91 lb per circuit)

The leak detection system consists of one or more refrigerant detection sensors. When the system detects a leak, the following mitigation actions will be initiated until refrigerant has not been detected for at least 5 minutes:

- Energize the supply fan(s) to deliver a required minimum amount of circulation airflow.
- Disable compressor operation.
- Provide an output signal to fully open all zoning dampers, such as VAV boxes.
- Provide an output to energize additional mechanical ventilation (if needed).
- Units without airflow proving will disable electric heat sources.

Building fire and smoke systems may override this function.

If the refrigerant sensor has a fault, is at the end of its life, or is disconnected, the unit will initiate the mitigation actions. Mitigation actions may be verified by disconnecting the sensor.

The refrigerant sensors do not need service. Use only manufacturer-approved sensors when replacement is required.

Model Number Description

Digit 1 — Function

G = Rooftop WSHP

Digit 2 — Efficiency

S = Standard Efficiency

Digit 3 — Refrigerant

K = R-454B

Digit 4, 5, 6 — Nominal Gross Cooling Capacity (MBh)

036 = 3 Ton Unit
048 = 4 Ton Unit
060 = 5 Ton Unit
072 = 6 Ton Unit
090 = 7.5 Ton Unit
102 = 8.5 Ton Unit
120 = 10 Ton Unit
150 = 12.5 Ton Unit
180 = 15 Ton Unit
210 = 17.5 Ton Unit
240 = 20 Ton Unit
300 = 25 Ton Unit

Digit 7 — Design Sequence

A = Current Design

Digit 8 — Unit Voltage

3 = 208-230/60/3
4 = 460/60/3
W = 575/60/3

Digit 9 — Unit Controls

S = Symbio™ 700

Digit 10 — Heat Type

0 = Base Model

Digit 11 — Heating Capacity

0 = No Heat
B = 6kW Electric Heat
C = 9kW Electric Heat
E = 12kW Electric Heat
G = 18kW Electric Heat
K = 27kW Electric Heat
N = 36kW Electric Heat
P = 54kW Electric Heat
R = 72kW Electric Heat

Digit 12, 13 — Service Digits

00 = Service Digits

Digit 14 — Fresh Air Selection

0 = None
A = Manual Outside Air Damper
B = Motorized Outside Air Damper
C = Economizer, Dry Bulb
D = Economizer, Dry Bulb with Barometric Relief
E = Economizer, Reference Enthalpy
F = Economizer, Reference Enthalpy with Barometric Relief
G = Economizer, Comparative Enthalpy
H = Economizer, Comparative Enthalpy with Barometric Relief
K = Downflow Low Leak Economizer, Reference Enthalpy with Barometeric Relief
M = Downflow Low Leak Economizer, Reference Enthalpy with BarometricRelief
P = Downflow Low Leak Economizer, Comparative Enthalpy with Barometric Relief
R = Downflow Low Leak Economizer, Differential Dry Bulb with Barometric Relief

Digit 15 — Supply Fan

0 = Standard Motor
1 = Oversized Motor
2 = Single Zone Variable Air Volume with Standard Motor
3 = Single Zone Variable Air Volume with Oversized Motor
4 = Multiple Zone Variable Air Volume with Standard Motor
5 = Multiple Zone Variable Air Volume with Oversized Motor

Digit 16 — Hinged Access/Filters

0 = Standard Panels
A = Hinged Access Panels
B = Standard Panels with 2-in. MERV 8 Filters
C = Hinged Access Panels with 2-in. MERV 8 Filters
D = Standard Access Panels with 2-in. MERV 13 Filters
E = Hinged Access Panels with 2-in. MERV 13 Filters

Digit 17 — Coil Protection

0 = None

Digit 18 — Through-the-Base Provisions

0 = None
A = Through-the-Base Electric

Digit 19 — Disconnect/Circuit Breaker

0 = None
1 = Non-Fused Disconnect Switch
2 = Circuit Breaker

Digit 20 — Convenience Outlet

0 = None
A = Unpowered 20A Convenience Outlet
B = Powered 15A Convenience Outlet

Digit 21 — Communications

0 = None
1 = Advanced Controller with BACnet®/Modbus Communications
2 = Advanced Controller with LonTalk® Communications Interface (LCI)
3 = Advanced Diagnostics and Air-Fi® Wireless Communications Interface (WCI)

Digit 22 — Refrigeration System Option

0 = Standard Refrigeration System
A = Dehumidification Coil (Modulating HGRH)

Digit 23 — Controls Expansion Module

0 = None
1 = Symbio 700 XM-30 Expansion Module
2 = Symbio 700 XM-32 Expansion Module
3 = Symbio 700 XM-30 and XM-32 Expansion Modules
4 = 2X XM30
5 = 2X XM32

Digit 24 — Smoke Detector

0 = None
A = Return Air
B = Supply Air
C = Return and Supply Air

Model Number Description

Digit 25 — System Monitoring Controls

0 = None
1 = Clogged Filter Switch (CFS)
2 = Condensate Overflow Switch (COS)
3 = Discharge Air Sensing Tube (DAS)
4 = CFS and COS
5 = CFS and DAS
6 = COS and DAS
7 = CFS and COS and DAS

Digit 26 — Not Used

Digit 27 — Hardware Enhancements

0 = No Hardware Enhancements
1 = Stainless Steel Drain Pan

Digit 28 — Short Circuit Current Rating

0 = Standard (5k) SCCR Marking
A = Tier 2 (65K) SCCR Marking

Digit 29 — Not Used

Digit 41 — Heat Exchanger

1 = Copper-Water Coil
2 = Cupro-Nickel Water Coil
7 = Insulated Copper-Water Coil
8 = Insulated Cupro-Nickel Water Coil

Digit 42 — Freeze Protection

A = 20°F Freezestat (For Glycol Loop)
B = 35°F Freezestat (For Water Loop)

Digit 43 — Special

0 = Standard Unit
S = Special Unit

General Data

Table 6. General data – 3 to 10 tons

	3 Tons	4 Tons	5 Tons	6 Tons	7.5 Tons	8.5 Tons	10 Tons
	036	048	060	072	090	102	120
Unit Size							
Length (inches)	69.9	69.9	69.9	88.6	88.6	88.6	99.6
Width (inches)	44.3	44.3	44.3	53.3	53.3	53.3	63.1
Height (inches)	46.9	46.9	46.9	46.9	46.9	46.9	50.9
Max Net Weight (lbs)	707	747	768	903	911	966	1259
Compressor							
Quantity/Type	1/Scroll	1/Scroll	1/Scroll	2/Manifold Scroll	2/Manifold Scroll	2/Manifold Scroll	2/Manifold Scroll
Indoor Coil							
Type	RTPF Lanced	RTPF Lanced	RTPF Lanced	RTPF Lanced	RTPF Lanced	RTPF Lanced	RTPF Lanced
Tube Size Dia. (in.)	0.313	0.313	0.313	0.313	0.313	0.313	0.313
Face Area (sq. ft.)	8.740	8.740	10.280	12.680	12.680	12.680	15.600
Rows/FPI	3/16	3/16	3/16	4/16	4/16	4/16	4/16
Refrigerant Control	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Drain Connection No./Size (in) NPT	1/0.75	1/0.75	1/0.75	1/0.75	1/0.75	1/0.75	1/0.75
Water Connection							
Size (in.)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indoor Fan							
Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	BC Plenum	BC Plenum	BC Plenum	BC Plenum
No. Used/Diameter (in.)	1/11x11	1/11x11	1/11x11	1/23x6	1/23x6	1/23x6	1/23x6
Drive Type/No. Speeds/RPM	Direct/5	Direct/5	Direct/5	Direct / Variable	Direct / Variable	Direct / Variable	Direct / Variable
Motor HP (Standard/Oversized)	0.075 (1.0) / 1.5	1.0 / 1.5	1.0 / 1.5	2.9 / —	2.9 / —	2.9 / —	4.2 / —
Motor RPM (Standard/Oversized)	1200/1400	1200/1400	1200/1400	1850	1850	1850	1940
Filters							
Type	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway
Quantity and Size Recommended: Horzontal and Downflow	(4) 20x20x2	(4) 20x20x2	(4) 20x20x2	(2) 18x24x2 (3) 24x16x2	(2) 18x24x2 (3) 24x16x2	(2) 18x24x2 (3) 24x16x2	(2) 18x24x2 (3) 24x16x2
Refrigerant R-454B							
Total lb R-454B HP	3.9	5.3	6.1	10.5	10.4	13.4	14.1
Total lb R-454B HP with HGR	4.2	5.7	6.3	11.3	11.2	13.8	15.2
Cabinet							
Cabinet Size	A.0	A.0	A.0	B.0	B.0	B.0	C.0
Water-to-Refrigerant Coil							
Refrigerant Working Pressure (psig)	600	600	600	600	600	600	600
Water Working Pressure	400	400	400	400	400	400	400

General Data

Table 7. General data – 12.5 to 25 tons

	12.5 Tons	15 Tons	17.5 Tons	20 Tons	25 Tons
	GSK150	GSK180	GSK210	GSK240	GSK300
Unit Size					
Length (inches)	123.0	123.0	123.0	123.0	123.0
Width (inches)	87.0	87.0	87.0	87.0	87.0
Height (inches)	59.0	59.0	66.0	66.0	66.0
Max Net Weight (lbs)	1969	1969	1969	2460	2460
Compressor					
Quantity/Type	2/Manifold Scroll	2/Manifold Scroll	2/Manifold Scroll	2/Manifold Scroll	2/Manifold Scroll
Indoor Coil					
Type	RTPF Lanced	RTPF Lanced	RTPF Lanced	RTPF Lanced	RTPF Lanced
Tube Size Dia. (in.)	0.313	0.313	0.313	0.313	0.313
Face Area (sq. ft.)	25.83	25.83	25.830	30.09	30.09
Rows/FPI	4/16	4/16	4/16	4/16	4/16
Refrigerant Control	TXV	TXV	TXV	TXV	TXV
Drain Connection No./Size (in) NPT	1/1.0	1/1.0	1/1.0	1/1.0	1/1.0
Water Connection					
Size (in.)	1.50	1.50	1.50	2	2
Indoor Fan					
Type	BC Plenum	BC Plenum	BC Plenum	BC Plenum	BC Plenum
No. Used/Diameter (in.)	2/23x6	2/23x6	2/23x6	2/23x6	2/23x6
Drive Type/No. Speeds/RPM	Direct / Variable	Direct / Variable	Direct / Variable	Direct / Variable	Direct / Variable
Motor HP (Standard/Oversized)	2.9 / —	2.9 / —	2.9 / —	2.9 / —	2.9 / 4.2
Motor RPM (Standard/Oversized)	1850	1850	1850	1850	1850 / 1940
Filters					
Type	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway
Quantity and Size Recommended: Horzontal and Downflow	(8) 20 x 24 x 2	(8) 20 x 24 x 2	(8) 20 x 24 x 2	(8) 20 x 24 x 2	(8) 20 x 24 x 2
Refrigerant R-454B					
Total lb R-454B HP	23.10	23.00	22.70	27.20	27.50
Total lb R-454B HP with HGR	24.90	23.70	24.50	29.40	28.30
Cabinet					
Cabinet Size	D.0	D.0	D.0	D.1	D.1
Water-to-Refrigerant Coil					
Refrigerant Working Pressure (psig)	600	600	600	600	600
Water Working Pressure	400	400	400	400	400

Table 8. Performance data

Size	Rated GPM	Rated CFM	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
			Cooling 86° F		Heating 68° F		Cooling 59° F		Heating 50° F		Cooling 77° F		Heating 32° F	
			Capacity Btuh	EER	Capacity Btuh	COP	Capacity Btuh	EER	Capacity Btuh	COP	Capacity Btuh	EER	Capacity Btuh	COP
GSK036	9.0	1200	40281	19.2	47492	6.06	43925	29.6	39058	5.26	41280	22.1	29804	4.28
GSK048	12.0	1600	53537	17.6	62760	5.79	57887	27.2	51760	5.05	55159	20.4	39719	4.14
GSK060	15.0	2000	64919	17.4	76308	5.61	69939	26.2	62898	4.90	66724	20.1	47737	3.95
GSK072	18.0	2400	84370	18.1	92045	5.75	91819	27.9	75524	4.96	86809	21.4	59774	4.10
GSK090	22.5	3000	99665	17.8	109831	5.66	107813	26.6	91385	4.94	102892	20.6	67696	3.86
GSK102	25.5	3400	114448	16.9	142392	5.79	128411	25.9	117896	5.08	120545	19.6	87192	4.05
GSK120	30.0	4000	127028	17.5	156912	6.00	140716	26.8	130153	5.21	133334	20.1	96739	4.13
GSK150	38.8	5000	161146	17.9	190940	5.81	180206	27.9	156380	5.08	167966	20.8	120212	4.19
GSK180	46.5	6000	195449	18.2	225259	5.82	212622	28.1	185080	5.08	201601	20.9	140774	4.12
GSK210	54.3	7000	228034	17.2	231646	5.23	247375	25.6	189616	4.52	234678	19.7	142962	3.61
GSK240	62.0	8000	265336	17.6	302822	5.53	286379	25.5	248649	4.84	273002	19.8	188364	3.93
GSK300	77.5	10000	287881	15.8	349002	5.34	310611	22.2	285481	4.69	295745	17.7	212210	3.75

Notes:

1. Rated in accordance ANSI/AHRI/ASHRAE/ISO13256-1. Certified conditions are 80.6°F DB/66.2°F WB EAT in cooling and 68°F DB/59°F WB EAT in heating.

2. Models with capacities greater than 135,000 Btuh are not included in the ANSI/AHRI/ASHRAE/ISO13256-1 certification program.

Gross Cooling Capacities

Table 9. Gross cooling capacities

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK036	45	5.9	45.66	35.22	0.77	1.20	49.77	61.85	4.68
		6.3	45.78	35.28	0.77	1.19	49.82	60.67	5.32
		6.8	45.88	35.33	0.77	1.17	49.87	59.64	6.00
		7.2	45.97	35.37	0.77	1.16	49.91	58.74	6.71
		7.7	46.05	35.42	0.77	1.15	49.96	57.95	7.45
		8.1	46.13	35.46	0.77	1.14	50.00	57.24	8.23
		8.5	46.21	35.50	0.77	1.13	50.05	56.61	9.04
		9.0	46.28	35.54	0.77	1.12	50.10	56.04	9.88
		9.5	46.36	35.58	0.77	1.11	50.15	55.53	10.76
		9.9	46.43	35.62	0.77	1.10	50.20	55.06	11.66
		10.4	46.50	35.66	0.77	1.10	50.25	54.63	12.60
		10.8	46.56	35.69	0.77	1.09	50.29	54.24	13.57
	55	5.9	44.50	34.62	0.78	1.39	49.23	71.65	4.50
		6.3	44.59	34.67	0.78	1.37	49.25	70.48	5.12
		6.8	44.67	34.71	0.78	1.35	49.28	69.45	5.77
		7.2	44.74	34.75	0.78	1.34	49.30	68.56	6.45
		7.7	44.80	34.78	0.78	1.32	49.32	67.77	7.17
		8.1	44.86	34.81	0.78	1.31	49.34	67.07	7.91
		8.5	44.91	34.84	0.78	1.30	49.36	66.44	8.69
		9.0	44.96	34.86	0.78	1.30	49.38	65.87	9.50
		9.5	45.01	34.88	0.78	1.29	49.40	65.36	10.34
		9.9	45.05	34.90	0.77	1.28	49.41	64.89	11.21
		10.4	45.08	34.92	0.77	1.27	49.43	64.46	12.11
		10.8	45.12	34.94	0.77	1.27	49.44	64.07	13.04
	65	5.9	43.33	34.01	0.79	1.59	48.77	81.48	4.40
		6.3	43.40	34.05	0.78	1.57	48.77	80.31	5.00
		6.8	43.46	34.08	0.78	1.56	48.77	79.29	5.64
		7.2	43.52	34.11	0.78	1.54	48.77	78.40	6.31
		7.7	43.57	34.14	0.78	1.53	48.78	77.61	7.01
		8.1	43.61	34.16	0.78	1.51	48.78	76.91	7.74
		8.5	43.65	34.18	0.78	1.50	48.78	76.29	8.50
		9.0	43.69	34.20	0.78	1.49	48.79	75.73	9.29
		9.5	43.73	34.22	0.78	1.49	48.79	75.22	10.11
		9.9	43.76	34.23	0.78	1.48	48.80	74.76	10.96
		10.4	43.78	34.25	0.78	1.47	48.80	74.33	11.84
		10.8	43.81	34.26	0.78	1.46	48.81	73.94	12.75

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK036	75	5.9	41.88	33.27	0.79	1.80	48.02	91.24	4.26
		6.3	41.97	33.32	0.79	1.78	48.04	90.09	4.84
		6.8	42.05	33.37	0.79	1.76	48.06	89.09	5.45
		7.2	42.12	33.40	0.79	1.74	48.07	88.22	6.10
		7.7	42.19	33.44	0.79	1.73	48.09	87.45	6.77
		8.1	42.24	33.46	0.79	1.72	48.10	86.76	7.48
		8.5	42.29	33.49	0.79	1.70	48.11	86.14	8.21
		9.0	42.34	33.51	0.79	1.69	48.12	85.59	8.98
		9.5	42.38	33.54	0.79	1.69	48.13	85.09	9.77
		9.9	42.42	33.55	0.79	1.68	48.14	84.63	10.59
		10.4	42.45	33.57	0.79	1.67	48.15	84.22	11.44
		10.8	42.48	33.59	0.79	1.66	48.16	83.83	12.32
	85	5.9	40.68	32.75	0.81	2.06	47.72	101.22	4.12
		6.3	40.75	32.79	0.80	2.04	47.71	100.06	4.69
		6.8	40.81	32.82	0.80	2.02	47.69	99.05	5.28
		7.2	40.87	32.85	0.80	2.00	47.68	98.17	5.91
		7.7	40.92	32.87	0.80	1.98	47.67	97.40	6.56
		8.1	40.96	32.89	0.80	1.97	47.67	96.71	7.24
		8.5	41.00	32.91	0.80	1.95	47.66	96.09	7.95
		9.0	41.03	32.93	0.80	1.94	47.66	95.54	8.69
		9.5	41.07	32.95	0.80	1.93	47.65	95.04	9.46
		9.9	41.09	32.96	0.80	1.92	47.65	94.58	10.26
		10.4	41.12	32.97	0.80	1.91	47.65	94.17	11.08
		10.8	41.15	32.99	0.80	1.91	47.65	93.78	11.93
	95	5.9	39.23	32.03	0.82	2.38	47.36	111.05	4.00
		6.3	39.30	32.06	0.82	2.35	47.33	109.90	4.55
		6.8	39.36	32.08	0.82	2.33	47.30	108.90	5.13
		7.2	39.41	32.11	0.81	2.31	47.28	108.03	5.73
		7.7	39.45	32.13	0.81	2.29	47.26	107.26	6.36
		8.1	39.49	32.15	0.81	2.27	47.24	106.57	7.03
		8.5	39.52	32.16	0.81	2.26	47.22	105.96	7.72
		9.0	39.55	32.18	0.81	2.24	47.21	105.41	8.43
		9.5	39.58	32.19	0.81	2.23	47.19	104.91	9.18
		9.9	39.61	32.20	0.81	2.22	47.18	104.46	9.95
		10.4	39.63	32.21	0.81	2.21	47.17	104.05	10.75
		10.8	39.65	32.22	0.81	2.20	47.16	103.67	11.57
	105	5.9	37.54	31.19	0.83	2.75	46.93	120.84	3.89
		6.3	37.60	31.22	0.83	2.72	46.89	119.70	4.42
		6.8	37.66	31.24	0.83	2.69	46.85	118.72	4.98
		7.2	37.71	31.26	0.83	2.67	46.82	117.85	5.57
		7.7	37.75	31.28	0.83	2.65	46.79	117.09	6.19
		8.1	37.78	31.30	0.83	2.63	46.76	116.42	6.83
		8.5	37.81	31.31	0.83	2.62	46.74	115.81	7.50
		9.0	37.84	31.33	0.83	2.60	46.72	115.27	8.20
		9.5	37.87	31.34	0.83	2.59	46.70	114.78	8.92
		9.9	37.89	31.35	0.83	2.58	46.68	114.33	9.67
		10.4	37.91	31.36	0.83	2.57	46.66	113.92	10.44
		10.8	37.93	31.36	0.83	2.56	46.65	113.55	11.24

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK036	115	5.9	35.54	30.23	0.85	3.19	46.42	130.60	3.79
		6.3	35.61	30.25	0.85	3.15	46.37	129.48	4.31
		6.8	35.65	30.28	0.85	3.13	46.32	128.50	4.85
		7.2	35.70	30.30	0.85	3.10	46.28	127.65	5.42
		7.7	35.74	30.31	0.85	3.08	46.25	126.90	6.02
		8.1	35.78	30.33	0.85	3.06	46.22	126.23	6.65
		8.5	35.81	30.34	0.85	3.04	46.19	125.64	7.30
		9.0	35.83	30.35	0.85	3.03	46.17	125.10	7.98
		9.5	35.86	30.36	0.85	3.01	46.14	124.62	8.68
		9.9	35.88	30.37	0.85	3.00	46.12	124.18	9.41
		10.4	35.90	30.38	0.85	2.99	46.10	123.77	10.16
		10.8	35.92	30.39	0.85	2.98	46.09	123.41	10.94
	120	5.9	34.41	29.69	0.86	3.43	46.12	135.46	3.74
		6.3	34.47	29.71	0.86	3.40	46.07	134.34	4.25
		6.8	34.53	29.74	0.86	3.37	46.03	133.38	4.79
		7.2	34.57	29.76	0.86	3.35	45.99	132.53	5.35
		7.7	34.61	29.77	0.86	3.32	45.95	131.79	5.94
		8.1	34.64	29.79	0.86	3.30	45.92	131.13	6.56
		8.5	34.67	29.80	0.86	3.29	45.89	130.54	7.21
		9.0	34.70	29.81	0.86	3.27	45.86	130.01	7.87
		9.5	34.73	29.82	0.86	3.26	45.84	129.53	8.57
		9.9	34.75	29.83	0.86	3.24	45.82	129.09	9.29
		10.4	34.77	29.84	0.86	3.23	45.80	128.69	10.03
		10.8	34.79	29.85	0.86	3.22	45.78	128.33	10.80
GSK048	45	7.8	59.71	46.43	0.78	1.74	65.64	61.92	4.27
		8.4	59.83	46.49	0.78	1.71	65.68	60.72	4.85
		9.0	59.93	46.54	0.78	1.69	65.71	59.68	5.47
		9.6	60.02	46.59	0.78	1.68	65.74	58.77	6.12
		10.2	60.10	46.63	0.78	1.66	65.77	57.97	6.80
		10.8	60.17	46.66	0.78	1.65	65.80	57.25	7.51
		11.4	60.24	46.70	0.78	1.64	65.83	56.61	8.25
		12.0	60.30	46.73	0.77	1.63	65.85	56.04	9.02
		12.6	60.35	46.75	0.77	1.62	65.87	55.52	9.81
		13.2	60.40	46.78	0.77	1.61	65.89	55.04	10.64
		13.8	60.45	46.80	0.77	1.60	65.91	54.61	11.50
		14.4	60.49	46.82	0.77	1.60	65.93	54.21	12.38
	55	7.8	57.93	45.52	0.79	1.98	64.69	71.68	4.11
		8.4	58.03	45.57	0.79	1.96	64.71	70.49	4.67
		9.0	58.13	45.62	0.78	1.93	64.72	69.46	5.26
		9.6	58.21	45.66	0.78	1.91	64.74	68.56	5.89
		10.2	58.28	45.69	0.78	1.90	64.75	67.77	6.54
		10.8	58.34	45.72	0.78	1.88	64.76	67.06	7.22
		11.4	58.39	45.75	0.78	1.87	64.77	66.43	7.93
		12.0	58.44	45.78	0.78	1.86	64.78	65.86	8.67
		12.6	58.49	45.80	0.78	1.85	64.79	65.35	9.43
		13.2	58.53	45.82	0.78	1.84	64.80	64.88	10.23
		13.8	58.57	45.84	0.78	1.83	64.81	64.45	11.05
		14.4	58.61	45.86	0.78	1.82	64.82	64.06	11.90

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK048	65	7.8	56.03	44.55	0.80	2.26	63.75	81.43	3.49
		8.4	56.13	44.60	0.79	2.23	63.76	80.27	3.97
		9.0	56.22	44.64	0.79	2.21	63.76	79.25	4.48
		9.6	56.30	44.68	0.79	2.19	63.77	78.36	5.01
		10.2	56.37	44.72	0.79	2.17	63.77	77.58	5.56
		10.8	56.43	44.75	0.79	2.15	63.78	76.88	6.14
		11.4	56.48	44.77	0.79	2.14	63.78	76.26	6.74
		12.0	56.53	44.80	0.79	2.13	63.78	75.69	7.37
		12.6	56.57	44.82	0.79	2.11	63.79	75.19	8.02
		13.2	56.62	44.84	0.79	2.10	63.79	74.72	8.70
		13.8	56.65	44.86	0.79	2.09	63.79	74.30	9.40
		14.4	56.68	44.87	0.79	2.08	63.80	73.92	10.12
	75	7.8	54.93	43.99	0.80	2.62	63.87	91.52	3.38
		8.4	55.02	44.04	0.80	2.59	63.85	90.33	3.84
		9.0	55.10	44.07	0.80	2.56	63.83	89.31	4.33
		9.6	55.17	44.11	0.80	2.53	63.81	88.41	4.84
		10.2	55.23	44.14	0.80	2.51	63.79	87.62	5.37
		10.8	55.28	44.16	0.80	2.49	63.78	86.92	5.93
		11.4	55.33	44.18	0.80	2.47	63.77	86.29	6.52
		12.0	55.37	44.20	0.80	2.46	63.76	85.72	7.12
		12.6	55.40	44.22	0.80	2.44	63.75	85.21	7.75
		13.2	55.44	44.24	0.80	2.43	63.74	84.75	8.40
		13.8	55.47	44.25	0.80	2.42	63.73	84.32	9.08
		14.4	55.49	44.26	0.80	2.41	63.72	83.93	9.77
	85	7.8	53.12	43.10	0.81	3.00	63.36	101.40	3.27
		8.4	53.21	43.15	0.81	2.96	63.33	100.22	3.72
		9.0	53.30	43.18	0.81	2.93	63.30	99.20	4.19
		9.6	53.37	43.22	0.81	2.90	63.27	98.31	4.68
		10.2	53.43	43.25	0.81	2.88	63.25	97.53	5.20
		10.8	53.48	43.27	0.81	2.86	63.23	96.83	5.75
		11.4	53.53	43.29	0.81	2.84	63.22	96.20	6.31
		12.0	53.58	43.31	0.81	2.82	63.20	95.64	6.90
		12.6	53.62	43.33	0.81	2.81	63.19	95.13	7.51
		13.2	53.65	43.35	0.81	2.79	63.17	94.67	8.14
		13.8	53.68	43.36	0.81	2.78	63.16	94.25	8.79
		14.4	53.71	43.37	0.81	2.77	63.15	93.86	9.46
	95	7.8	50.54	41.87	0.83	3.44	62.28	111.09	3.17
		8.4	50.65	41.92	0.83	3.40	62.25	109.94	3.61
		9.0	50.75	41.96	0.83	3.36	62.22	108.94	4.07
		9.6	50.83	42.00	0.83	3.33	62.20	108.07	4.55
		10.2	50.90	42.03	0.83	3.31	62.18	107.30	5.05
		10.8	50.88	42.04	0.83	3.29	62.09	106.60	5.57
		11.4	51.01	42.08	0.82	3.26	62.14	106.00	6.12
		12.0	51.06	42.10	0.82	3.24	62.13	105.45	6.69
		12.6	51.10	42.12	0.82	3.23	62.12	104.95	7.28
		13.2	51.14	42.14	0.82	3.21	62.10	104.49	7.89
		13.8	51.17	42.15	0.82	3.20	62.09	104.08	8.53
		14.4	51.21	42.17	0.82	3.19	62.08	103.70	9.18

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK048	105	7.8	47.62	40.53	0.85	3.92	61.00	120.73	3.09
		8.4	47.73	40.58	0.85	3.88	60.98	119.60	3.51
		9.0	47.83	40.62	0.85	3.85	60.96	118.63	3.95
		9.6	47.92	40.66	0.85	3.82	60.94	117.77	4.42
		10.2	48.00	40.69	0.85	3.79	60.92	117.02	4.91
		10.8	48.06	40.72	0.85	3.76	60.90	116.35	5.42
		11.4	48.21	40.68	0.84	3.74	60.97	115.77	5.95
		12.0	48.17	40.77	0.85	3.72	60.88	115.21	6.50
		12.6	48.22	40.79	0.85	3.71	60.86	114.73	7.07
		13.2	48.26	40.80	0.85	3.69	60.85	114.28	7.67
		13.8	48.30	40.82	0.85	3.68	60.84	113.88	8.28
		14.4	48.34	40.84	0.84	3.66	60.83	113.51	8.92
	115	7.8	44.51	39.11	0.88	4.44	59.66	130.34	3.00
		8.4	44.73	39.18	0.88	4.40	59.73	129.27	3.41
		9.0	44.84	39.22	0.87	4.36	59.72	128.32	3.84
		9.6	44.93	39.26	0.87	4.33	59.70	127.48	4.30
		10.2	45.01	39.29	0.87	4.30	59.69	126.75	4.77
		10.8	45.07	39.32	0.87	4.28	59.68	126.10	5.27
		11.4	45.14	39.35	0.87	4.26	59.67	125.51	5.79
		12.0	45.19	39.37	0.87	4.24	59.66	124.98	6.32
		12.6	45.24	39.39	0.87	4.22	59.65	124.51	6.88
		13.2	45.29	39.41	0.87	4.21	59.64	124.08	7.46
		13.8	45.33	39.43	0.87	4.19	59.63	123.68	8.06
		14.4	45.36	39.44	0.87	4.18	59.62	123.32	8.67
	120	7.8	42.98	38.26	0.89	4.70	59.02	135.16	2.96
		8.4	42.98	38.41	0.89	4.67	58.91	134.05	3.37
		9.0	43.08	38.46	0.89	4.63	58.90	133.11	3.79
		9.6	43.18	38.49	0.89	4.61	58.89	132.29	4.24
		10.2	43.37	38.43	0.89	4.57	58.98	131.59	4.71
		10.8	43.44	38.46	0.89	4.55	58.97	130.95	5.20
		11.4	43.50	38.49	0.88	4.53	58.96	130.37	5.71
		12.0	43.56	38.51	0.88	4.51	58.95	129.85	6.24
		12.6	43.60	38.65	0.89	4.49	58.94	129.38	6.79
		13.2	43.65	38.67	0.89	4.48	58.93	128.95	7.36
		13.8	43.69	38.68	0.89	4.46	58.92	128.56	7.95
		14.4	43.73	38.70	0.89	4.45	58.92	128.21	8.56
GSK060	45	9.7	72.04	57.12	0.79	2.03	78.98	61.34	6.97
		10.5	72.17	57.18	0.79	2.01	79.02	60.19	7.93
		11.3	72.28	57.24	0.79	1.98	79.05	59.18	8.93
		12.0	72.38	57.29	0.79	1.96	79.08	58.30	9.99
		12.8	72.47	57.33	0.79	1.95	79.11	57.52	11.10
		13.5	72.54	57.37	0.79	1.93	79.13	56.83	12.26
		14.3	72.61	57.40	0.79	1.92	79.15	56.21	13.47
		15.0	72.68	57.44	0.79	1.90	79.18	55.65	14.72
		15.7	72.73	57.46	0.79	1.89	79.20	55.15	16.03
		16.5	72.79	57.49	0.79	1.88	79.21	54.69	17.38
		17.3	72.83	57.51	0.79	1.87	79.23	54.27	18.77
		18.0	72.88	57.54	0.79	1.87	79.25	53.89	20.22

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK060	55	9.7	69.97	56.09	0.80	2.33	77.92	71.13	6.71
		10.5	70.09	56.15	0.80	2.30	77.94	69.99	7.62
		11.3	70.20	56.20	0.80	2.28	77.96	68.99	8.59
		12.0	70.29	56.24	0.80	2.25	77.97	68.12	9.61
		12.8	70.37	56.28	0.80	2.23	77.99	67.35	10.68
		13.5	70.44	56.32	0.80	2.22	78.00	66.67	11.79
		14.3	70.51	56.35	0.80	2.20	78.02	66.05	12.95
		15.0	70.56	56.38	0.80	2.19	78.03	65.50	14.16
		15.7	70.62	56.41	0.80	2.18	78.04	65.01	15.41
		16.5	70.66	56.43	0.80	2.17	78.05	64.55	16.71
		17.3	70.71	56.45	0.80	2.16	78.06	64.14	18.05
		18.0	70.74	56.47	0.80	2.15	78.07	63.76	19.43
	65	9.7	67.71	54.98	0.81	2.67	76.82	80.91	6.41
		10.5	67.84	55.04	0.81	2.64	76.83	79.78	7.29
		11.3	67.94	55.09	0.81	2.61	76.84	78.80	8.21
		12.0	68.04	55.13	0.81	2.58	76.85	77.94	9.19
		12.8	68.12	55.17	0.81	2.56	76.85	77.18	10.20
		13.5	68.19	55.21	0.81	2.54	76.86	76.50	11.27
		14.3	68.25	55.24	0.81	2.53	76.87	75.90	12.38
		15.0	68.31	55.26	0.81	2.51	76.88	75.35	13.53
		15.7	68.36	55.29	0.81	2.50	76.88	74.86	14.72
		16.5	68.41	55.31	0.81	2.49	76.89	74.41	15.96
		17.3	68.45	55.33	0.81	2.47	76.89	74.01	17.25
		18.0	68.49	55.35	0.81	2.46	76.90	73.63	18.57
	75	9.7	66.29	54.41	0.82	3.06	76.72	91.00	6.20
		10.5	66.40	54.47	0.82	3.02	76.71	89.85	7.04
		11.3	66.50	54.51	0.82	2.99	76.70	88.86	7.94
		12.0	66.59	54.55	0.82	2.96	76.69	88.00	8.88
		12.8	66.67	54.59	0.82	2.94	76.69	87.23	9.86
		13.5	66.73	54.62	0.82	2.92	76.68	86.55	10.89
		14.3	66.79	54.65	0.82	2.90	76.67	85.94	11.96
		15.0	66.84	54.67	0.82	2.88	76.67	85.39	13.07
		15.7	66.89	54.70	0.82	2.86	76.66	84.90	14.23
		16.5	66.93	54.72	0.82	2.85	76.66	84.45	15.42
		17.3	66.97	54.74	0.82	2.84	76.65	84.04	16.66
		18.0	67.01	54.75	0.82	2.83	76.65	83.66	17.94
	85	9.7	64.43	53.51	0.83	3.50	76.38	100.93	6.00
		10.5	64.54	53.56	0.83	3.46	76.34	99.79	6.82
		11.3	64.63	53.60	0.83	3.42	76.31	98.80	7.69
		12.0	64.70	53.64	0.83	3.39	76.28	97.93	8.60
		12.8	64.77	53.67	0.83	3.37	76.26	97.17	9.55
		13.5	64.83	53.69	0.83	3.34	76.24	96.49	10.54
		14.3	64.89	53.72	0.83	3.32	76.22	95.88	11.58
		15.0	64.93	53.74	0.83	3.30	76.20	95.34	12.66
		15.7	64.97	53.76	0.83	3.28	76.18	94.84	13.77
		16.5	65.01	53.78	0.83	3.27	76.17	94.39	14.93
		17.3	65.05	53.79	0.83	3.26	76.16	93.99	16.13
		18.0	65.08	53.81	0.83	3.24	76.14	93.61	17.37

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK060	95	9.7	61.54	52.15	0.85	4.01	75.21	110.68	5.82
		10.5	61.66	52.21	0.85	3.96	75.17	109.55	6.62
		11.3	61.75	52.25	0.85	3.92	75.13	108.58	7.46
		12.0	61.83	52.28	0.85	3.89	75.10	107.72	8.34
		12.8	61.90	52.31	0.85	3.86	75.07	106.97	9.26
		13.5	61.96	52.34	0.84	3.83	75.05	106.30	10.23
		14.3	62.02	52.37	0.84	3.81	75.02	105.71	11.23
		15.0	62.07	52.39	0.84	3.79	75.00	105.17	12.28
		15.7	62.10	52.41	0.84	3.77	74.97	104.68	13.36
		16.5	62.14	52.43	0.84	3.76	74.96	104.24	14.48
		17.3	62.18	52.44	0.84	3.74	74.94	103.84	15.64
		18.0	62.21	52.46	0.84	3.73	74.93	103.47	16.84
	105	9.7	58.43	50.72	0.87	4.57	74.01	120.41	5.66
		10.5	58.54	50.77	0.87	4.52	73.96	119.30	6.43
		11.3	58.64	50.81	0.87	4.48	73.92	118.34	7.25
		12.0	58.72	50.85	0.87	4.44	73.89	117.51	8.10
		12.8	58.80	50.88	0.87	4.41	73.86	116.77	9.00
		13.5	58.86	50.91	0.86	4.39	73.83	116.11	9.94
		14.3	58.92	50.94	0.86	4.36	73.80	115.52	10.91
		15.0	58.97	50.96	0.86	4.34	73.78	114.99	11.93
		15.7	59.02	50.98	0.86	4.32	73.76	114.52	12.98
		16.5	59.06	51.00	0.86	4.30	73.74	114.08	14.07
		17.3	59.09	51.01	0.86	4.29	73.73	113.68	15.20
		18.0	59.13	51.03	0.86	4.27	73.71	113.32	16.36
	115	9.7	55.12	49.20	0.89	5.17	72.76	130.13	5.51
		10.5	55.22	49.26	0.89	5.13	72.71	129.04	6.26
		11.3	55.32	49.30	0.89	5.09	72.67	128.10	7.05
		12.0	55.40	49.34	0.89	5.05	72.63	127.28	7.88
		12.8	55.47	49.37	0.89	5.02	72.60	126.55	8.76
		13.5	55.54	49.40	0.89	4.99	72.58	125.91	9.67
		14.3	55.60	49.42	0.89	4.97	72.55	125.33	10.62
		15.0	55.65	49.45	0.89	4.95	72.53	124.81	11.60
		15.7	55.71	49.45	0.89	4.93	72.52	124.34	12.63
		16.5	55.74	49.48	0.89	4.91	72.49	123.91	13.69
		17.3	55.78	49.50	0.89	4.89	72.47	123.53	14.78
		18.0	55.81	49.52	0.89	4.88	72.45	123.17	15.92
	120	9.7	53.37	48.41	0.91	5.49	72.10	134.98	5.44
		10.5	53.47	48.47	0.91	5.44	72.04	133.90	6.18
		11.3	53.56	48.51	0.91	5.40	72.00	132.97	6.96
		12.0	53.65	48.55	0.90	5.37	71.97	132.16	7.78
		12.8	53.72	48.58	0.90	5.34	71.94	131.44	8.64
		13.5	53.79	48.61	0.90	5.31	71.91	130.80	9.54
		14.3	53.85	48.64	0.90	5.29	71.89	130.23	10.47
		15.0	53.90	48.66	0.90	5.27	71.86	129.71	11.45
		15.7	53.96	48.66	0.90	5.25	71.86	129.25	12.46
		16.5	53.98	48.69	0.90	5.23	71.83	128.83	13.50
		17.3	54.02	48.71	0.90	5.21	71.81	128.44	14.58
		18.0	54.06	48.73	0.90	5.20	71.80	128.09	15.70

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK072	45	11.7	88.25	67.96	0.77	2.63	97.24	62.97	6.09
		12.6	88.29	67.99	0.77	2.60	97.15	61.69	6.92
		13.5	88.32	68.01	0.77	2.56	97.06	60.58	7.80
		14.4	88.34	68.03	0.77	2.53	96.99	59.61	8.72
		15.3	88.36	68.05	0.77	2.51	96.92	58.76	9.69
		16.2	88.39	68.07	0.77	2.49	96.87	57.99	10.70
		17.1	88.40	68.08	0.77	2.47	96.81	57.31	11.76
		18.0	88.42	68.10	0.77	2.45	96.77	56.70	12.85
		18.9	88.43	68.11	0.77	2.43	96.72	56.14	13.99
		19.8	88.44	68.12	0.77	2.42	96.68	55.63	15.17
		20.7	88.45	68.13	0.77	2.40	96.65	55.17	16.39
		21.6	88.46	68.14	0.77	2.39	96.61	54.75	17.65
	55	11.7	86.30	66.93	0.78	3.02	96.60	72.65	5.85
		12.6	86.37	66.97	0.78	2.97	96.51	71.38	6.66
		13.5	86.43	67.00	0.78	2.94	96.44	70.28	7.50
		14.4	86.47	67.02	0.78	2.90	96.38	69.32	8.39
		15.3	86.52	67.04	0.77	2.87	96.32	68.47	9.32
		16.2	86.55	67.06	0.77	2.85	96.28	67.72	10.29
		17.1	86.59	67.08	0.77	2.83	96.24	67.05	11.30
		18.0	86.60	67.09	0.77	2.81	96.18	66.45	12.36
		18.9	86.61	67.10	0.77	2.79	96.13	65.90	13.45
		19.8	86.61	67.10	0.77	2.78	96.08	65.41	14.58
		20.7	86.62	67.11	0.77	2.76	96.04	64.95	15.75
		21.6	86.62	67.11	0.77	2.75	96.00	64.54	16.96
	65	11.7	84.30	65.83	0.78	3.45	96.06	82.34	5.71
		12.6	84.36	65.86	0.78	3.40	95.96	81.09	6.49
		13.5	84.41	65.89	0.78	3.36	95.87	80.01	7.31
		14.4	84.45	65.91	0.78	3.32	95.79	79.06	8.18
		15.3	84.49	65.93	0.78	3.29	95.73	78.23	9.08
		16.2	84.53	65.95	0.78	3.27	95.67	77.49	10.03
		17.1	84.56	65.96	0.78	3.24	95.62	76.83	11.02
		18.0	84.58	65.98	0.78	3.22	95.57	76.23	12.04
		18.9	84.61	65.99	0.78	3.20	95.53	75.70	13.11
		19.8	84.63	66.00	0.78	3.18	95.49	75.21	14.21
		20.7	84.65	66.01	0.78	3.17	95.45	74.76	15.35
		21.6	84.67	66.02	0.78	3.15	95.42	74.35	16.53
	75	11.7	83.31	66.31	0.80	3.87	96.50	92.25	5.52
		12.6	83.39	66.35	0.80	3.81	96.41	91.01	6.27
		13.5	83.46	66.38	0.80	3.77	96.33	89.93	7.07
		14.4	83.52	66.41	0.80	3.73	96.26	89.00	7.90
		15.3	83.57	66.43	0.79	3.70	96.19	88.17	8.78
		16.2	83.62	66.46	0.79	3.67	96.14	87.43	9.69
		17.1	83.67	66.48	0.79	3.64	96.10	86.78	10.65
		18.0	83.69	66.49	0.79	3.62	96.05	86.18	11.64
		18.9	83.73	66.51	0.79	3.60	96.01	85.65	12.67
		19.8	83.75	66.52	0.79	3.58	95.97	85.16	13.73
		20.7	83.78	66.53	0.79	3.56	95.94	84.72	14.83
		21.6	83.80	66.54	0.79	3.55	95.91	84.31	15.97

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK072	85	11.7	81.61	65.73	0.81	4.55	97.13	102.20	5.34
		12.6	81.69	65.76	0.80	4.49	97.00	100.96	6.08
		13.5	81.76	65.79	0.80	4.43	96.89	99.88	6.85
		14.4	81.82	65.81	0.80	4.39	96.79	98.94	7.65
		15.3	81.87	65.83	0.80	4.35	96.70	98.11	8.50
		16.2	81.91	65.85	0.80	4.31	96.63	97.37	9.39
		17.1	81.95	65.87	0.80	4.28	96.56	96.72	10.31
		18.0	81.98	65.88	0.80	4.26	96.50	96.13	11.27
		18.9	82.01	65.89	0.80	4.23	96.44	95.59	12.26
		19.8	82.03	65.90	0.80	4.21	96.39	95.11	13.30
		20.7	82.06	65.91	0.80	4.19	96.34	94.66	14.36
		21.6	82.08	65.92	0.80	4.17	96.30	94.26	15.46
	95	11.7	78.86	64.44	0.82	5.20	96.60	111.84	5.19
		12.6	78.96	64.48	0.82	5.13	96.47	110.62	5.90
		13.5	79.04	64.51	0.82	5.08	96.37	109.57	6.64
		14.4	79.11	64.54	0.82	5.03	96.27	108.65	7.43
		15.3	79.17	64.56	0.82	4.99	96.19	107.84	8.25
		16.2	79.23	64.58	0.82	4.95	96.11	107.12	9.11
		17.1	79.27	64.60	0.81	4.92	96.05	106.47	10.00
		18.0	79.31	64.62	0.81	4.89	95.99	105.89	10.93
		18.9	79.35	64.64	0.81	4.86	95.93	105.37	11.90
		19.8	79.38	64.65	0.81	4.84	95.88	104.90	12.90
		20.7	79.41	64.66	0.81	4.81	95.84	104.46	13.93
		21.6	79.44	64.67	0.81	4.79	95.79	104.06	15.00
	105	11.7	75.78	62.92	0.83	5.92	95.98	121.48	5.04
		12.6	75.90	62.97	0.83	5.85	95.87	120.29	5.73
		13.5	75.82	63.03	0.83	5.80	95.62	119.24	6.46
		14.4	75.90	63.06	0.83	5.75	95.53	118.34	7.22
		15.3	75.97	63.09	0.83	5.71	95.45	117.55	8.02
		16.2	76.03	63.12	0.83	5.67	95.38	116.85	8.85
		17.1	76.09	63.14	0.83	5.64	95.32	116.22	9.72
		18.0	76.14	63.16	0.83	5.60	95.26	115.65	10.63
		18.9	76.18	63.17	0.83	5.58	95.21	115.14	11.57
		19.8	76.22	63.19	0.83	5.55	95.16	114.67	12.54
		20.7	76.26	63.20	0.83	5.53	95.12	114.25	13.54
		21.6	76.29	63.22	0.83	5.51	95.08	113.86	14.58
	115	11.7	72.37	61.35	0.85	6.72	95.29	131.06	4.91
		12.6	72.49	61.40	0.85	6.65	95.19	129.90	5.58
		13.5	72.60	61.45	0.85	6.59	95.10	128.90	6.29
		14.4	72.70	61.49	0.85	6.54	95.03	128.02	7.03
		15.3	72.59	61.56	0.85	6.51	94.80	127.23	7.81
		16.2	72.66	61.59	0.85	6.47	94.74	126.55	8.62
		17.1	72.72	61.61	0.85	6.44	94.68	125.93	9.47
		18.0	72.78	61.63	0.85	6.40	94.63	125.38	10.34
		18.9	72.83	61.65	0.85	6.37	94.59	124.88	11.26
		19.8	72.88	61.67	0.85	6.35	94.54	124.43	12.20
		20.7	72.92	61.69	0.85	6.33	94.51	124.02	13.18
		21.6	72.96	61.70	0.85	6.30	94.47	123.64	14.19

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK072	120	11.7	70.50	60.50	0.86	7.14	94.86	135.84	4.85
		12.6	70.63	60.56	0.86	7.07	94.77	134.70	5.51
		13.5	70.75	60.60	0.86	7.02	94.69	133.71	6.21
		14.4	70.84	60.64	0.86	6.97	94.62	132.84	6.94
		15.3	70.93	60.68	0.86	6.92	94.56	132.08	7.71
		16.2	70.80	60.75	0.86	6.90	94.33	131.39	8.51
		17.1	70.86	60.78	0.86	6.86	94.28	130.78	9.34
		18.0	70.92	60.80	0.86	6.83	94.23	130.24	10.21
		18.9	70.98	60.82	0.86	6.80	94.19	129.75	11.11
		19.8	71.03	60.84	0.86	6.78	94.15	129.30	12.04
		20.7	71.07	60.86	0.86	6.75	94.12	128.89	13.01
		21.6	71.11	60.87	0.86	6.73	94.08	128.52	14.00
GSK090	45	14.6	103.03	82.61	0.80	3.13	113.70	61.86	8.99
		15.7	103.07	82.64	0.80	3.09	113.60	60.66	10.22
		16.9	103.11	82.67	0.80	3.05	113.52	59.62	11.52
		18.0	103.14	82.70	0.80	3.02	113.45	58.71	12.88
		19.1	103.17	82.72	0.80	2.99	113.38	57.90	14.31
		20.2	103.19	82.74	0.80	2.97	113.33	57.18	15.81
		21.4	103.21	82.75	0.80	2.95	113.27	56.54	17.37
		22.5	103.23	82.77	0.80	2.93	113.23	55.97	18.98
		23.6	103.24	82.78	0.80	2.91	113.19	55.45	20.66
		24.8	103.26	82.80	0.80	2.90	113.15	54.97	22.41
		25.9	103.27	82.81	0.80	2.88	113.11	54.54	24.21
		27.0	103.29	82.82	0.80	2.87	113.08	54.14	26.07
	55	14.6	100.84	81.49	0.81	3.56	112.99	71.60	8.64
		15.7	100.92	81.53	0.81	3.51	112.91	70.41	9.83
		16.9	100.98	81.57	0.81	3.47	112.83	69.37	11.08
		18.0	101.04	81.59	0.81	3.44	112.77	68.47	12.39
		19.1	101.09	81.62	0.81	3.41	112.72	67.67	13.76
		20.2	101.13	81.64	0.81	3.38	112.67	66.97	15.20
		21.4	101.16	81.66	0.81	3.36	112.62	66.33	16.70
		22.5	101.18	81.67	0.81	3.34	112.58	65.77	18.25
		23.6	101.19	81.68	0.81	3.32	112.52	65.25	19.87
		24.8	101.20	81.69	0.81	3.31	112.48	64.79	21.54
		25.9	101.21	81.70	0.81	3.29	112.44	64.36	23.27
		27.0	101.22	81.71	0.81	3.28	112.41	63.97	25.06
	65	14.6	98.49	80.27	0.81	4.06	112.33	81.36	8.42
		15.7	98.56	80.30	0.81	4.01	112.23	80.18	9.58
		16.9	98.63	80.33	0.81	3.96	112.15	79.16	10.79
		18.0	98.68	80.36	0.81	3.92	112.07	78.27	12.07
		19.1	98.73	80.38	0.81	3.89	112.01	77.48	13.41
		20.2	98.77	80.40	0.81	3.86	111.95	76.78	14.81
		21.4	98.81	80.42	0.81	3.84	111.90	76.16	16.27
		22.5	98.84	80.44	0.81	3.81	111.85	75.60	17.78
		23.6	98.87	80.45	0.81	3.79	111.81	75.09	19.36
		24.8	98.90	80.47	0.81	3.77	111.78	74.63	20.99
		25.9	98.92	80.48	0.81	3.76	111.74	74.21	22.67
		27.0	98.95	80.49	0.81	3.74	111.71	73.82	24.41

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK090	75	14.6	97.45	80.72	0.83	4.62	113.23	91.41	8.14
		15.7	97.54	80.76	0.83	4.57	113.12	90.23	9.26
		16.9	97.62	80.79	0.83	4.52	113.02	89.20	10.43
		18.0	97.68	80.82	0.83	4.47	112.94	88.31	11.67
		19.1	97.74	80.85	0.83	4.44	112.87	87.52	12.96
		20.2	97.78	80.87	0.83	4.40	112.80	86.82	14.31
		21.4	97.83	80.89	0.83	4.37	112.75	86.19	15.72
		22.5	97.87	80.90	0.83	4.35	112.70	85.63	17.18
		23.6	97.90	80.92	0.83	4.32	112.65	85.12	18.70
		24.8	97.93	80.93	0.83	4.30	112.61	84.66	20.28
		25.9	97.96	80.95	0.83	4.28	112.57	84.23	21.90
		27.0	97.98	80.96	0.83	4.27	112.54	83.85	23.58
	85	14.6	95.33	79.67	0.84	5.30	113.42	101.28	7.89
		15.7	95.25	79.78	0.84	5.24	113.14	100.08	8.97
		16.9	95.33	79.81	0.84	5.19	113.02	99.06	10.11
		18.0	95.39	79.84	0.84	5.14	112.92	98.18	11.30
		19.1	95.45	79.87	0.84	5.10	112.84	97.39	12.55
		20.2	95.50	79.89	0.84	5.06	112.76	96.70	13.86
		21.4	95.70	79.84	0.83	5.02	112.84	96.09	15.22
		22.5	95.74	79.85	0.83	4.99	112.78	95.53	16.64
		23.6	95.77	79.87	0.83	4.97	112.72	95.02	18.11
		24.8	95.80	79.88	0.83	4.94	112.67	94.56	19.63
		25.9	95.83	79.89	0.83	4.92	112.62	94.14	21.21
		27.0	95.86	79.90	0.83	4.90	112.58	93.76	22.84
	95	14.6	92.26	78.23	0.85	6.05	112.90	111.01	7.66
		15.7	92.36	78.27	0.85	5.98	112.76	109.85	8.70
		16.9	92.44	78.31	0.85	5.92	112.64	108.85	9.81
		18.0	92.51	78.34	0.85	5.87	112.54	107.97	10.97
		19.1	92.57	78.36	0.85	5.82	112.45	107.20	12.18
		20.2	92.63	78.39	0.85	5.79	112.37	106.52	13.45
		21.4	92.67	78.41	0.85	5.75	112.29	105.90	14.77
		22.5	92.72	78.42	0.85	5.72	112.23	105.35	16.14
		23.6	92.75	78.44	0.85	5.69	112.17	104.86	17.57
		24.8	92.79	78.45	0.85	5.66	112.11	104.40	19.05
		25.9	92.82	78.47	0.85	5.64	112.06	103.99	20.58
		27.0	92.84	78.48	0.85	5.62	112.02	103.61	22.15
	105	14.6	88.79	76.63	0.86	6.89	112.29	120.75	7.45
		15.7	88.90	76.67	0.86	6.81	112.15	119.61	8.46
		16.9	88.80	76.82	0.87	6.76	111.86	118.60	9.53
		18.0	88.88	76.85	0.86	6.71	111.75	117.74	10.66
		19.1	89.14	76.77	0.86	6.65	111.83	117.00	11.84
		20.2	89.19	76.79	0.86	6.61	111.75	116.32	13.07
		21.4	89.25	76.82	0.86	6.57	111.67	115.72	14.36
		22.5	89.29	76.83	0.86	6.54	111.61	115.18	15.69
		23.6	89.33	76.85	0.86	6.51	111.55	114.69	17.08
		24.8	89.37	76.87	0.86	6.48	111.49	114.25	18.51
		25.9	89.40	76.88	0.86	6.46	111.44	113.84	20.00
		27.0	89.43	76.89	0.86	6.44	111.39	113.47	21.53

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK090	115	14.6	85.16	74.96	0.88	7.80	111.78	130.47	7.25
		15.7	85.27	75.01	0.88	7.73	111.65	129.35	8.24
		16.9	85.37	75.05	0.88	7.67	111.53	128.38	9.28
		18.0	85.45	75.08	0.88	7.62	111.43	127.53	10.38
		19.1	85.52	75.11	0.88	7.57	111.34	126.78	11.53
		20.2	85.58	75.13	0.88	7.53	111.26	126.12	12.73
		21.4	85.64	75.16	0.88	7.49	111.19	125.53	13.97
		22.5	85.69	75.18	0.88	7.45	111.12	125.00	15.27
		23.6	85.74	75.20	0.88	7.42	111.06	124.52	16.62
		24.8	85.78	75.21	0.88	7.40	111.01	124.08	18.02
		25.9	85.81	75.23	0.88	7.37	110.96	123.68	19.46
		27.0	85.85	75.24	0.88	7.35	110.92	123.32	20.95
	120	14.6	83.22	74.08	0.89	8.29	111.50	135.32	7.16
		15.7	83.34	74.12	0.89	8.22	111.37	134.21	8.13
		16.9	83.43	74.16	0.89	8.16	111.25	133.25	9.16
		18.0	83.51	74.20	0.89	8.10	111.16	132.41	10.25
		19.1	83.59	74.23	0.89	8.05	111.07	131.67	11.38
		20.2	83.65	74.25	0.89	8.01	110.99	131.02	12.56
		21.4	83.71	74.27	0.89	7.98	110.92	130.43	13.79
		22.5	83.76	74.30	0.89	7.94	110.86	129.90	15.08
		23.6	83.80	74.31	0.89	7.91	110.80	129.43	16.41
		24.8	83.85	74.33	0.89	7.88	110.75	128.99	17.78
		25.9	83.88	74.35	0.89	7.86	110.70	128.60	19.21
		27.0	83.92	74.36	0.89	7.84	110.65	128.24	20.68
GSK102	45	16.6	129.47	100.17	0.77	3.70	142.10	62.84	11.98
		17.8	129.80	100.32	0.77	3.66	142.29	61.61	13.62
		19.1	130.08	100.44	0.77	3.63	142.46	60.54	15.35
		20.4	130.31	100.54	0.77	3.60	142.60	59.59	17.17
		21.7	130.50	100.63	0.77	3.58	142.71	58.75	19.07
		23.0	130.67	100.70	0.77	3.56	142.81	58.00	21.06
		24.2	130.81	100.76	0.77	3.54	142.89	57.33	23.13
		25.5	130.92	100.82	0.77	3.53	142.96	56.73	25.29
		26.8	131.02	100.86	0.77	3.51	143.01	56.17	27.52
		28.1	131.11	100.90	0.77	3.50	143.06	55.67	29.84
		29.3	131.18	100.93	0.77	3.49	143.10	55.21	32.24
		30.6	131.24	100.96	0.77	3.49	143.14	54.79	34.71
	55	16.6	125.70	97.58	0.78	4.19	140.00	72.35	11.53
		17.8	126.00	97.73	0.78	4.15	140.16	71.15	13.10
		19.1	126.25	97.84	0.78	4.11	140.29	70.10	14.77
		20.4	126.46	97.94	0.77	4.09	140.40	69.18	16.51
		21.7	126.63	98.03	0.77	4.06	140.49	68.36	18.34
		23.0	126.78	98.09	0.77	4.04	140.56	67.63	20.25
		24.2	126.90	98.15	0.77	4.02	140.63	66.98	22.24
		25.5	127.00	98.20	0.77	4.01	140.68	66.39	24.32
		26.8	127.09	98.24	0.77	4.00	140.72	65.85	26.46
		28.1	127.16	98.28	0.77	3.99	140.76	65.36	28.69
		29.3	127.22	98.30	0.77	3.98	140.79	64.92	30.99
		30.6	127.27	98.33	0.77	3.97	140.81	64.51	33.37

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK102	65	16.6	121.99	95.83	0.79	4.75	138.19	81.86	11.10
		17.8	122.27	95.96	0.78	4.70	138.31	80.69	12.62
		19.1	122.50	96.07	0.78	4.66	138.42	79.67	14.22
		20.4	122.69	96.16	0.78	4.63	138.50	78.78	15.90
		21.7	122.85	96.23	0.78	4.61	138.57	77.98	17.66
		23.0	122.98	96.29	0.78	4.59	138.63	77.27	19.50
		24.2	123.09	96.35	0.78	4.57	138.68	76.64	21.42
		25.5	123.18	96.39	0.78	4.55	138.72	76.06	23.41
		26.8	123.26	96.42	0.78	4.54	138.75	75.54	25.48
		28.1	123.32	96.45	0.78	4.53	138.78	75.07	27.63
		29.3	123.37	96.48	0.78	4.52	138.80	74.63	29.84
		30.6	123.42	96.50	0.78	4.51	138.82	74.23	32.13
	75	16.6	120.37	96.07	0.80	5.45	138.97	91.87	10.73
		17.8	120.60	96.17	0.80	5.41	139.06	90.69	12.20
		19.1	120.79	96.25	0.80	5.37	139.12	89.67	13.75
		20.4	120.92	96.31	0.80	5.34	139.16	88.76	15.37
		21.7	121.03	96.36	0.80	5.32	139.19	87.96	17.07
		23.0	121.12	96.40	0.80	5.30	139.20	87.25	18.85
		24.2	121.18	96.43	0.80	5.29	139.22	86.61	20.70
		25.5	121.23	96.45	0.80	5.27	139.22	86.03	22.63
		26.8	121.27	96.47	0.80	5.26	139.22	85.51	24.63
		28.1	121.31	96.48	0.80	5.25	139.22	85.03	26.70
		29.3	121.33	96.49	0.80	5.24	139.22	84.60	28.84
		30.6	121.35	96.50	0.80	5.24	139.21	84.20	31.05
	85	16.6	117.00	94.57	0.81	6.13	137.90	101.41	10.40
		17.8	117.25	94.68	0.81	6.08	137.99	100.27	11.82
		19.1	117.46	94.77	0.81	6.04	138.06	99.28	13.32
		20.4	117.62	94.84	0.81	6.01	138.11	98.40	14.89
		21.7	117.75	94.89	0.81	5.98	138.15	97.62	16.54
		23.0	117.85	94.94	0.81	5.96	138.18	96.93	18.26
		24.2	117.92	94.97	0.81	5.95	138.21	96.31	20.06
		25.5	117.99	95.00	0.81	5.93	138.23	95.75	21.92
		26.8	118.04	95.02	0.80	5.92	138.24	95.24	23.86
		28.1	118.08	95.04	0.80	5.91	138.26	94.78	25.86
		29.3	118.11	95.05	0.80	5.91	138.27	94.36	27.93
		30.6	118.14	95.06	0.80	5.90	138.27	93.97	30.07
	95	16.6	112.87	92.79	0.82	6.94	136.55	110.88	10.10
		17.8	113.11	92.89	0.82	6.89	136.62	109.77	11.48
		19.1	113.29	92.97	0.82	6.85	136.67	108.81	12.93
		20.4	113.44	93.03	0.82	6.82	136.71	107.96	14.46
		21.7	113.55	93.08	0.82	6.80	136.74	107.21	16.06
		23.0	113.64	93.12	0.82	6.78	136.77	106.54	17.73
		24.2	113.71	93.15	0.82	6.76	136.78	105.94	19.47
		25.5	113.76	93.17	0.82	6.75	136.80	105.39	21.28
		26.8	113.81	93.19	0.82	6.74	136.81	104.90	23.15
		28.1	113.84	93.20	0.82	6.73	136.81	104.46	25.10
		29.3	113.87	93.22	0.82	6.73	136.82	104.05	27.11
		30.6	113.89	93.23	0.82	6.72	136.83	103.67	29.19

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK102	105	16.6	108.53	90.93	0.84	7.86	135.35	120.32	9.83
		17.8	108.74	91.02	0.84	7.81	135.40	119.25	11.17
		19.1	108.91	91.09	0.84	7.77	135.44	118.32	12.58
		20.4	109.03	91.15	0.84	7.75	135.47	117.50	14.06
		21.7	109.13	91.19	0.84	7.72	135.49	116.78	15.62
		23.0	109.20	91.22	0.84	7.71	135.50	116.13	17.24
		24.2	109.26	91.24	0.84	7.69	135.51	115.55	18.93
		25.5	109.31	91.26	0.83	7.68	135.52	115.02	20.69
		26.8	109.34	91.28	0.83	7.68	135.53	114.55	22.51
		28.1	109.37	91.29	0.83	7.67	135.54	114.12	24.40
		29.3	109.40	91.30	0.83	7.66	135.54	113.72	26.36
		30.6	109.41	91.31	0.83	7.66	135.54	113.36	28.38
	115	16.6	103.94	88.85	0.85	8.90	134.29	129.76	9.57
		17.8	104.12	88.93	0.85	8.85	134.33	128.73	10.88
		19.1	104.26	88.99	0.85	8.82	134.35	127.83	12.26
		20.4	104.36	89.03	0.85	8.80	134.37	127.03	13.70
		21.7	104.44	89.07	0.85	8.78	134.38	126.33	15.21
		23.0	104.49	89.09	0.85	8.76	134.39	125.71	16.79
		24.2	104.54	89.11	0.85	8.75	134.40	125.15	18.44
		25.5	104.57	89.12	0.85	8.74	134.41	124.64	20.15
		26.8	104.60	89.14	0.85	8.74	134.41	124.18	21.93
		28.1	104.63	89.15	0.85	8.73	134.41	123.77	23.77
		29.3	104.65	89.15	0.85	8.73	134.42	123.39	25.67
		30.6	104.66	89.16	0.85	8.72	134.42	123.04	27.63
	120	16.6	101.52	87.82	0.87	9.46	133.79	134.47	9.46
		17.8	101.68	87.89	0.86	9.42	133.82	133.46	10.75
		19.1	101.80	87.94	0.86	9.39	133.84	132.57	12.10
		20.4	101.89	87.98	0.86	9.37	133.86	131.79	13.53
		21.7	101.95	88.00	0.86	9.35	133.87	131.11	15.02
		23.0	102.00	88.02	0.86	9.34	133.87	130.49	16.58
		24.2	102.04	88.04	0.86	9.33	133.88	129.94	18.21
		25.5	102.07	88.05	0.86	9.32	133.88	129.45	19.90
		26.8	102.09	88.06	0.86	9.32	133.89	129.00	21.65
		28.1	102.11	88.07	0.86	9.31	133.89	128.59	23.47
		29.3	102.13	88.08	0.86	9.31	133.89	128.22	25.35
		30.6	102.14	88.09	0.86	9.30	133.89	127.88	27.29
GSK120	45	19.5	142.83	114.12	0.80	3.52	154.85	61.52	15.91
		21.0	142.92	114.16	0.80	3.46	154.71	60.34	18.09
		22.5	142.99	114.19	0.80	3.40	154.59	59.32	20.38
		24.0	143.05	114.22	0.80	3.35	154.49	58.42	22.80
		25.5	143.11	114.24	0.80	3.31	154.39	57.64	25.33
		27.0	143.16	114.26	0.80	3.27	154.31	56.94	27.97
		28.5	143.20	114.28	0.80	3.23	154.23	56.31	30.72
		30.0	143.24	114.30	0.80	3.20	154.17	55.74	33.58
		31.5	143.27	114.31	0.80	3.17	154.10	55.23	36.55
		33.0	143.30	114.32	0.80	3.15	154.05	54.77	39.63
		34.5	143.33	114.34	0.80	3.13	154.00	54.34	42.81
		36.0	143.36	114.35	0.80	3.10	153.95	53.96	46.10

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK120	55	19.5	139.46	112.64	0.81	4.17	153.69	71.15	15.30
		21.0	139.54	112.67	0.81	4.11	153.55	70.00	17.39
		22.5	139.61	112.70	0.81	4.05	153.43	69.00	19.60
		24.0	139.68	112.73	0.81	4.00	153.33	68.13	21.92
		25.5	139.73	112.75	0.81	3.96	153.24	67.36	24.35
		27.0	139.78	112.78	0.81	3.92	153.16	66.67	26.89
		28.5	139.82	112.79	0.81	3.89	153.09	66.06	29.53
		30.0	139.85	112.81	0.81	3.86	153.02	65.51	32.28
		31.5	139.89	112.82	0.81	3.83	152.96	65.01	35.14
		33.0	139.92	112.84	0.81	3.81	152.91	64.55	38.10
		34.5	139.95	112.85	0.81	3.78	152.86	64.14	41.16
		36.0	139.97	112.86	0.81	3.76	152.82	63.76	44.31
	65	19.5	135.83	111.04	0.82	4.84	152.33	80.75	14.74
		21.0	135.92	111.08	0.82	4.77	152.20	79.63	16.75
		22.5	135.99	111.11	0.82	4.72	152.09	78.66	18.88
		24.0	136.06	111.14	0.82	4.67	151.99	77.81	21.11
		25.5	136.11	111.16	0.82	4.63	151.90	77.06	23.45
		27.0	136.16	111.18	0.82	4.59	151.82	76.39	25.89
		28.5	136.21	111.20	0.82	4.56	151.75	75.79	28.44
		30.0	136.25	111.22	0.82	4.53	151.69	75.25	31.09
		31.5	136.28	111.23	0.82	4.50	151.63	74.76	33.84
		33.0	136.31	111.24	0.82	4.47	151.58	74.32	36.68
		34.5	136.34	111.26	0.82	4.45	151.53	73.92	39.63
		36.0	136.36	111.27	0.82	4.43	151.48	73.54	42.67
	75	19.5	134.60	110.44	0.82	5.68	153.96	90.83	14.24
		21.0	134.66	110.47	0.82	5.61	153.79	89.70	16.19
		22.5	134.80	110.52	0.82	5.55	153.74	88.73	18.25
		24.0	134.83	110.53	0.82	5.50	153.59	87.87	20.40
		25.5	134.85	110.54	0.82	5.46	153.47	87.11	22.66
		27.0	134.88	110.55	0.82	5.42	153.36	86.44	25.02
		28.5	134.93	110.57	0.82	5.38	153.29	85.84	27.48
		30.0	134.94	110.58	0.82	5.35	153.20	85.30	30.04
		31.5	134.96	110.59	0.82	5.32	153.13	84.81	32.69
		33.0	135.01	110.61	0.82	5.30	153.09	84.36	35.44
		34.5	135.00	110.60	0.82	5.28	153.01	83.95	38.29
		36.0	135.01	110.61	0.82	5.26	152.95	83.58	41.23
	85	19.5	131.54	109.07	0.83	6.37	153.28	100.43	13.80
		21.0	131.64	109.11	0.83	6.30	153.13	99.33	15.69
		22.5	131.73	109.15	0.83	6.23	153.00	98.38	17.68
		24.0	131.80	109.18	0.83	6.18	152.88	97.55	19.76
		25.5	131.86	109.20	0.83	6.13	152.78	96.82	21.95
		27.0	131.92	109.22	0.83	6.09	152.69	96.16	24.24
		28.5	131.97	109.24	0.83	6.05	152.61	95.58	26.62
		30.0	132.01	109.26	0.83	6.02	152.54	95.05	29.09
		31.5	132.06	109.28	0.83	5.99	152.48	94.57	31.66
		33.0	132.09	109.29	0.83	5.96	152.42	94.14	34.32
		34.5	132.12	109.30	0.83	5.93	152.37	93.74	37.08
		36.0	132.15	109.32	0.83	5.91	152.32	93.38	39.92

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK120	95	19.5	126.72	107.02	0.84	7.22	151.36	109.88	13.40
		21.0	126.83	107.07	0.84	7.15	151.21	108.82	15.23
		22.5	126.91	107.10	0.84	7.08	151.07	107.91	17.15
		24.0	126.99	107.13	0.84	7.02	150.95	107.11	19.18
		25.5	127.06	107.16	0.84	6.97	150.85	106.40	21.30
		27.0	127.12	107.18	0.84	6.93	150.76	105.77	23.52
		28.5	127.17	107.20	0.84	6.89	150.68	105.20	25.83
		30.0	127.22	107.22	0.84	6.86	150.61	104.69	28.23
		31.5	127.26	107.24	0.84	6.82	150.54	104.23	30.72
		33.0	127.30	107.26	0.84	6.80	150.48	103.82	33.30
		34.5	127.33	107.27	0.84	6.77	150.43	103.43	35.97
		36.0	127.36	107.28	0.84	6.75	150.37	103.08	38.73
	105	19.5	121.53	104.84	0.86	8.16	149.39	119.28	13.03
		21.0	121.65	104.89	0.86	8.08	149.23	118.27	14.80
		22.5	121.74	104.93	0.86	8.02	149.09	117.39	16.68
		24.0	121.82	104.96	0.86	7.96	148.97	116.62	18.65
		25.5	121.89	104.99	0.86	7.91	148.86	115.94	20.71
		27.0	121.95	105.01	0.86	7.86	148.77	115.34	22.86
		28.5	122.01	105.03	0.86	7.82	148.69	114.80	25.10
		30.0	122.06	105.05	0.86	7.78	148.61	114.31	27.44
		31.5	122.10	105.07	0.86	7.75	148.54	113.87	29.86
		33.0	122.00	105.04	0.86	7.72	148.35	113.46	32.36
		34.5	122.03	105.06	0.86	7.70	148.29	113.09	34.96
		36.0	122.07	105.07	0.86	7.67	148.24	112.76	37.64
	115	19.5	116.03	102.32	0.88	9.20	147.42	128.67	12.68
		21.0	116.14	102.36	0.88	9.12	147.25	127.70	14.41
		22.5	116.08	102.59	0.88	9.05	146.97	126.84	16.24
		24.0	116.16	102.62	0.88	8.99	146.84	126.11	18.15
		25.5	116.23	102.65	0.88	8.94	146.73	125.46	20.16
		27.0	116.30	102.68	0.88	8.89	146.64	124.88	22.25
		28.5	116.36	102.70	0.88	8.85	146.55	124.36	24.43
		30.0	116.40	102.72	0.88	8.81	146.47	123.90	26.70
		31.5	116.45	102.74	0.88	8.78	146.40	123.47	29.06
		33.0	116.49	102.75	0.88	8.75	146.33	123.09	31.50
		34.5	116.52	102.77	0.88	8.72	146.28	122.74	34.02
		36.0	116.56	102.78	0.88	8.70	146.22	122.42	36.63
	120	19.5	113.15	101.10	0.89	9.75	146.43	133.35	12.52
		21.0	113.26	101.15	0.89	9.67	146.26	132.41	14.23
		22.5	113.19	101.40	0.90	9.61	145.96	131.57	16.03
		24.0	113.27	101.43	0.90	9.55	145.83	130.85	17.92
		25.5	113.34	101.46	0.90	9.49	145.73	130.21	19.90
		27.0	113.40	101.49	0.89	9.44	145.63	129.65	21.96
		28.5	113.46	101.51	0.89	9.40	145.54	129.14	24.12
		30.0	113.51	101.53	0.89	9.36	145.46	128.69	26.36
		31.5	113.55	101.54	0.89	9.33	145.39	128.28	28.68
		33.0	113.59	101.56	0.89	9.30	145.32	127.90	31.09
		34.5	113.63	101.57	0.89	9.27	145.26	127.56	33.57
		36.0	113.66	101.59	0.89	9.25	145.21	127.24	36.14

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK150	45	25.2	188.26	146.97	0.78	5.40	206.69	61.38	5.89
		27.1	188.43	147.05	0.78	5.32	206.58	60.21	6.70
		29.1	188.58	147.11	0.78	5.25	206.49	59.20	7.55
		31.0	188.72	147.17	0.78	5.19	206.42	58.32	8.44
		33.0	188.84	147.22	0.78	5.13	206.35	57.54	9.38
		34.9	188.94	147.26	0.78	5.09	206.30	56.84	10.36
		36.8	189.04	147.31	0.78	5.04	206.25	56.22	11.38
		38.8	189.13	147.34	0.78	5.01	206.20	55.67	12.43
		40.7	189.20	147.37	0.78	4.97	206.16	55.16	13.53
		42.6	189.27	147.40	0.78	4.94	206.13	54.70	14.67
		44.6	189.52	147.52	0.78	4.99	206.56	54.29	15.85
		46.5	169.70	169.70	1.00	5.02	186.83	53.07	17.07
	55	25.2	182.68	144.52	0.79	6.25	204.02	71.04	5.66
		27.1	182.82	144.57	0.79	6.17	203.86	69.90	6.44
		29.1	182.94	144.62	0.79	6.09	203.73	68.91	7.26
		31.0	183.04	144.67	0.79	6.03	203.61	68.04	8.12
		33.0	183.13	144.71	0.79	5.97	203.50	67.27	9.02
		34.9	183.22	144.74	0.79	5.92	203.41	66.59	9.96
		36.8	183.29	144.77	0.79	5.87	203.33	65.98	10.94
		38.8	183.36	144.80	0.79	5.83	203.26	65.44	11.95
		40.7	183.42	144.83	0.79	5.80	203.20	64.94	13.01
		42.6	183.47	144.85	0.79	5.76	203.14	64.49	14.10
		44.6	183.52	144.87	0.79	5.73	203.08	64.08	15.24
		46.5	183.57	144.89	0.79	5.71	203.03	63.70	16.40
	65	25.2	176.96	142.01	0.80	7.21	201.55	80.70	5.48
		27.1	177.08	142.06	0.80	7.11	201.35	79.58	6.23
		29.1	177.18	142.10	0.80	7.03	201.18	78.61	7.02
		31.0	177.27	142.14	0.80	6.96	201.03	77.75	7.86
		33.0	177.35	142.18	0.80	6.90	200.91	77.01	8.73
		34.9	177.43	142.21	0.80	6.85	200.79	76.34	9.64
		36.8	177.49	142.23	0.80	6.80	200.69	75.74	10.59
		38.8	177.54	142.26	0.80	6.76	200.60	75.21	11.56
		40.7	177.59	142.27	0.80	6.72	200.51	74.72	12.58
		42.6	177.63	142.29	0.80	6.68	200.44	74.28	13.64
		44.6	177.68	142.31	0.80	6.65	200.37	73.88	14.74
		46.5	177.72	142.33	0.80	6.62	200.31	73.51	15.87
	75	25.2	172.96	140.15	0.81	8.05	200.44	90.53	5.30
		27.1	173.09	140.20	0.81	7.96	200.23	89.42	6.02
		29.1	173.19	140.25	0.81	7.87	200.05	88.46	6.79
		31.0	173.28	140.28	0.81	7.80	199.89	87.61	7.59
		33.0	173.36	140.32	0.81	7.73	199.74	86.87	8.43
		34.9	173.43	140.34	0.81	7.68	199.62	86.21	9.31
		36.8	173.49	140.37	0.81	7.63	199.51	85.62	10.23
		38.8	173.55	140.39	0.81	7.58	199.41	85.10	11.17
		40.7	173.60	140.41	0.81	7.54	199.32	84.62	12.16
		42.6	173.64	140.43	0.81	7.50	199.24	84.18	13.18
		44.6	173.68	140.45	0.81	7.47	199.17	83.78	14.24
		46.5	173.72	140.46	0.81	7.44	199.10	83.41	15.33

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK150	85	25.2	167.30	136.11	0.81	9.07	198.24	100.20	5.13
		27.1	167.45	136.18	0.81	8.97	198.04	99.12	5.83
		29.1	167.58	136.23	0.81	8.88	197.86	98.18	6.57
		31.0	167.68	136.28	0.81	8.80	197.71	97.35	7.35
		33.0	167.77	136.32	0.81	8.73	197.56	96.63	8.17
		34.9	167.85	136.36	0.81	8.67	197.45	95.98	9.02
		36.8	167.93	136.39	0.81	8.62	197.34	95.40	9.91
		38.8	167.98	136.41	0.81	8.57	197.24	94.89	10.81
		40.7	168.04	136.44	0.81	8.53	197.15	94.42	11.77
		42.6	168.09	136.46	0.81	8.49	197.06	93.99	12.76
		44.6	168.13	136.48	0.81	8.46	196.99	93.60	13.79
		46.5	168.17	136.50	0.81	8.43	196.92	93.24	14.84
	95	25.2	160.29	132.87	0.83	10.31	195.46	109.77	4.98
		27.1	160.45	132.94	0.83	10.20	195.24	108.71	5.66
		29.1	160.58	132.99	0.83	10.11	195.06	107.80	6.38
		31.0	160.69	133.04	0.83	10.03	194.90	107.00	7.13
		33.0	160.79	133.09	0.83	9.95	194.76	106.30	7.93
		34.9	160.88	133.13	0.83	9.89	194.63	105.67	8.75
		36.8	160.95	133.16	0.83	9.84	194.52	105.11	9.61
		38.8	161.02	133.19	0.83	9.79	194.41	104.61	10.49
		40.7	161.08	133.22	0.83	9.74	194.32	104.15	11.42
		42.6	161.13	133.24	0.83	9.70	194.23	103.73	12.38
		44.6	161.18	133.26	0.83	9.66	194.16	103.35	13.37
		46.5	161.23	133.28	0.83	9.63	194.09	103.01	14.40
	105	25.2	152.67	129.36	0.85	11.68	192.51	119.30	4.84
		27.1	152.84	129.44	0.85	11.56	192.30	118.28	5.50
		29.1	152.99	129.50	0.85	11.47	192.12	117.40	6.20
		31.0	153.11	129.56	0.85	11.39	191.96	116.62	6.94
		33.0	153.23	129.60	0.85	11.31	191.82	115.94	7.70
		34.9	153.32	129.64	0.85	11.25	191.69	115.33	8.51
		36.8	153.40	129.68	0.85	11.19	191.58	114.79	9.34
		38.8	153.47	129.71	0.85	11.14	191.48	114.31	10.20
		40.7	153.54	129.74	0.85	11.09	191.39	113.86	11.10
		42.6	153.60	129.77	0.84	11.05	191.30	113.46	12.03
		44.6	153.66	129.79	0.84	11.01	191.22	113.09	13.00
		46.5	153.71	129.81	0.84	10.97	191.15	112.76	13.99
	115	25.2	144.40	125.57	0.87	13.17	189.34	128.81	4.71
		27.1	144.58	125.65	0.87	13.06	189.14	127.82	5.36
		29.1	144.74	125.71	0.87	12.96	188.96	126.97	6.04
		31.0	144.86	125.77	0.87	12.88	188.81	126.22	6.75
		33.0	144.99	125.83	0.87	12.81	188.68	125.56	7.50
		34.9	145.09	125.87	0.87	12.74	188.55	124.98	8.28
		36.8	145.18	125.91	0.87	12.68	188.45	124.45	9.09
		38.8	145.26	125.94	0.87	12.63	188.35	123.99	9.92
		40.7	145.33	125.97	0.87	12.58	188.26	123.56	10.80
		42.6	145.40	126.00	0.87	12.54	188.18	123.17	11.71
		44.6	145.46	126.03	0.87	12.50	188.10	122.81	12.65
		46.5	145.51	126.05	0.87	12.46	188.03	122.49	13.61

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK150	120	25.2	140.00	123.55	0.88	13.96	187.63	133.55	4.65
		27.1	140.19	123.63	0.88	13.85	187.44	132.58	5.29
		29.1	140.34	123.70	0.88	13.75	187.27	131.74	5.96
		31.0	140.48	123.76	0.88	13.67	187.12	131.01	6.66
		33.0	140.60	123.82	0.88	13.60	186.99	130.36	7.40
		34.9	140.70	123.86	0.88	13.53	186.87	129.79	8.17
		36.8	140.80	123.90	0.88	13.47	186.77	129.27	8.97
		38.8	140.88	123.94	0.88	13.42	186.67	128.82	9.79
		40.7	140.96	123.97	0.88	13.37	186.59	128.40	10.66
		42.6	141.02	124.00	0.88	13.33	186.51	128.01	11.56
		44.6	141.08	124.02	0.88	13.29	186.43	127.66	12.48
		46.5	141.14	124.05	0.88	13.26	186.37	127.35	13.44
GSK180	45	30.2	218.86	173.66	0.79	5.95	239.18	60.91	8.08
		32.5	219.01	173.72	0.79	5.83	238.91	59.75	9.19
		34.9	219.13	173.78	0.79	5.72	238.67	58.75	10.37
		37.2	219.24	173.82	0.79	5.63	238.45	57.88	11.60
		39.5	219.35	173.87	0.79	5.55	238.28	57.12	12.89
		41.9	219.43	173.91	0.79	5.48	238.12	56.44	14.24
		44.2	219.94	174.14	0.79	5.54	238.86	55.86	15.64
		46.5	220.04	174.18	0.79	5.48	238.74	55.32	17.10
		48.8	220.07	174.20	0.79	5.43	238.59	54.82	18.61
		51.2	220.10	174.21	0.79	5.38	238.45	54.37	20.19
		53.5	219.74	174.05	0.79	5.20	237.50	53.93	21.81
		55.8	219.79	174.07	0.79	5.16	237.40	53.56	23.48
	55	30.2	212.84	170.91	0.80	7.18	237.34	70.76	7.77
		32.5	212.97	170.97	0.80	7.06	237.07	69.62	8.84
		34.9	213.08	171.02	0.80	6.96	236.83	68.63	9.97
		37.2	213.18	171.06	0.80	6.87	236.62	67.77	11.15
		39.5	213.26	171.10	0.80	6.79	236.44	67.01	12.39
		41.9	213.34	171.13	0.80	6.72	236.27	66.33	13.69
		44.2	213.40	171.16	0.80	6.66	236.12	65.73	15.04
		46.5	213.46	171.18	0.80	6.60	235.99	65.19	16.44
		48.8	214.17	171.51	0.80	6.55	236.51	64.73	17.89
		51.2	213.67	171.28	0.80	6.50	235.86	64.26	19.40
		53.5	213.68	171.28	0.80	6.46	235.72	63.85	20.97
		55.8	213.69	171.28	0.80	6.42	235.60	63.48	22.57
	65	30.2	206.42	168.02	0.81	8.44	235.20	80.60	7.52
		32.5	206.55	168.07	0.81	8.32	234.93	79.47	8.55
		34.9	206.66	168.12	0.81	8.22	234.69	78.49	9.64
		37.2	206.75	168.16	0.81	8.13	234.49	77.64	10.79
		39.5	206.83	168.19	0.81	8.05	234.30	76.89	11.99
		41.9	206.91	168.23	0.81	7.98	234.14	76.22	13.24
		44.2	206.97	168.25	0.81	7.92	233.99	75.62	14.55
		46.5	207.03	168.28	0.81	7.86	233.86	75.09	15.90
		48.8	207.08	168.30	0.81	7.81	233.74	74.60	17.31
		51.2	207.13	168.32	0.81	7.77	233.63	74.16	18.77
		53.5	207.17	168.34	0.81	7.73	233.53	73.76	20.28
		55.8	207.21	168.35	0.81	7.69	233.44	73.39	21.83

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK180	75	30.2	201.95	165.84	0.82	9.43	234.13	90.54	7.27
		32.5	202.10	165.91	0.82	9.31	233.88	89.42	8.27
		34.9	202.22	165.96	0.82	9.21	233.65	88.44	9.32
		37.2	202.33	166.00	0.82	9.12	233.46	87.59	10.43
		39.5	202.42	166.04	0.82	9.05	233.28	86.84	11.58
		41.9	202.50	166.07	0.82	8.98	233.13	86.17	12.79
		44.2	202.57	166.10	0.82	8.92	232.99	85.58	14.06
		46.5	202.63	166.13	0.82	8.86	232.86	85.05	15.36
		48.8	202.69	166.15	0.82	8.81	232.75	84.57	16.72
		51.2	202.74	166.18	0.82	8.77	232.65	84.13	18.13
		53.5	202.79	166.20	0.82	8.73	232.56	83.73	19.59
		55.8	202.83	166.21	0.82	8.69	232.47	83.36	21.08
	85	30.2	195.69	162.99	0.83	10.63	231.96	100.38	7.04
		32.5	195.68	161.17	0.82	10.52	231.56	99.26	8.01
		34.9	196.01	163.12	0.83	10.41	231.52	98.31	9.03
		37.2	196.13	163.17	0.83	10.32	231.34	97.46	10.10
		39.5	196.24	163.22	0.83	10.24	231.18	96.72	11.22
		41.9	196.34	163.26	0.83	10.17	231.04	96.07	12.39
		44.2	196.23	161.42	0.82	10.11	230.75	95.47	13.61
		46.5	196.31	161.46	0.82	10.06	230.63	94.94	14.87
		48.8	196.37	161.48	0.82	10.01	230.52	94.46	16.19
		51.2	196.43	161.51	0.82	9.96	230.43	94.03	17.55
		53.5	196.48	161.53	0.82	9.92	230.34	93.63	18.97
		55.8	196.53	161.56	0.82	9.89	230.26	93.27	20.41
	95	30.2	187.47	157.29	0.84	12.08	228.69	110.13	6.83
		32.5	187.66	157.37	0.84	11.96	228.46	109.03	7.77
		34.9	187.80	157.44	0.84	11.85	228.24	108.08	8.76
		37.2	187.93	157.50	0.84	11.76	228.05	107.26	9.80
		39.5	188.05	157.55	0.84	11.68	227.90	106.53	10.88
		41.9	188.14	157.59	0.84	11.61	227.74	105.88	12.02
		44.2	188.23	157.63	0.84	11.54	227.61	105.30	13.20
		46.5	188.30	157.67	0.84	11.49	227.49	104.78	14.43
		48.8	188.37	157.70	0.84	11.43	227.38	104.31	15.71
		51.2	188.44	157.72	0.84	11.39	227.29	103.89	17.03
		53.5	188.49	157.75	0.84	11.34	227.20	103.50	18.40
		55.8	188.54	157.77	0.84	11.30	227.11	103.14	19.80
	105	30.2	178.87	153.24	0.86	13.67	225.50	119.88	6.64
		32.5	179.05	153.32	0.86	13.54	225.25	118.80	7.55
		34.9	179.20	153.39	0.86	13.43	225.03	117.86	8.51
		37.2	179.34	153.45	0.86	13.33	224.84	117.05	9.52
		39.5	179.46	153.50	0.86	13.25	224.67	116.33	10.58
		41.9	179.56	153.55	0.86	13.18	224.51	115.70	11.68
		44.2	179.65	153.59	0.85	13.11	224.38	115.13	12.83
		46.5	179.73	153.63	0.85	13.05	224.26	114.62	14.02
		48.8	179.80	153.66	0.85	13.00	224.15	114.16	15.26
		51.2	179.86	153.69	0.85	12.95	224.05	113.73	16.55
		53.5	179.92	153.71	0.85	12.90	223.95	113.35	17.88
		55.8	179.97	153.74	0.85	12.86	223.87	113.00	19.24

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK180	115	30.2	169.68	148.93	0.88	15.40	222.21	129.61	6.47
		32.5	169.86	149.01	0.88	15.27	221.95	128.55	7.35
		34.9	170.01	149.08	0.88	15.16	221.73	127.64	8.29
		37.2	170.15	149.14	0.88	15.06	221.54	126.84	9.27
		39.5	170.27	149.19	0.88	14.98	221.37	126.13	10.29
		41.9	170.37	149.24	0.88	14.90	221.21	125.50	11.37
		44.2	170.46	149.28	0.88	14.83	221.07	124.95	12.49
		46.5	170.54	149.31	0.88	14.77	220.94	124.44	13.64
		48.8	170.61	149.34	0.88	14.72	220.83	123.99	14.85
		51.2	170.68	149.37	0.88	14.67	220.73	123.58	16.10
		53.5	170.74	149.40	0.88	14.62	220.63	123.20	17.40
		55.8	170.79	149.42	0.87	14.58	220.54	122.86	18.72
	120	30.2	164.85	146.67	0.89	16.31	220.50	134.47	6.38
		32.5	165.02	146.75	0.89	16.18	220.24	133.42	7.26
		34.9	165.18	146.81	0.89	16.07	220.02	132.52	8.18
		37.2	165.31	146.87	0.89	15.98	219.82	131.72	9.15
		39.5	165.43	146.92	0.89	15.89	219.66	131.02	10.16
		41.9	165.54	146.97	0.89	15.82	219.50	130.41	11.22
		44.2	165.63	147.01	0.89	15.75	219.36	129.85	12.32
		46.5	165.70	147.04	0.89	15.69	219.23	129.36	13.46
		48.8	165.77	147.08	0.89	15.63	219.12	128.90	14.66
		51.2	165.84	147.11	0.89	15.59	219.02	128.50	15.89
		53.5	165.90	147.13	0.89	15.54	218.92	128.12	17.16
		55.8	165.95	147.16	0.89	15.50	218.83	127.78	18.47
GSK210	45	35.3	254.54	202.33	0.79	7.66	280.66	61.00	10.59
		38.0	254.84	202.46	0.79	7.54	280.57	59.85	12.04
		40.7	255.14	202.59	0.79	7.44	280.54	58.86	13.57
		43.4	255.36	202.68	0.79	7.36	280.47	57.99	15.18
		46.1	255.55	202.77	0.79	7.29	280.41	57.23	16.86
		48.8	255.74	202.85	0.79	7.22	280.37	56.55	18.62
		51.5	256.37	203.13	0.79	7.28	281.21	55.97	20.45
		54.3	256.52	203.19	0.79	7.23	281.18	55.42	22.35
		57.0	256.63	203.24	0.79	7.18	281.12	54.93	24.33
		59.7	256.75	203.29	0.79	7.13	281.08	54.47	26.38
		62.4	256.84	203.33	0.79	7.09	281.04	54.06	28.49
		65.1	256.94	203.37	0.79	7.05	281.01	53.68	30.70
	55	35.3	246.55	198.77	0.81	8.89	276.88	70.81	10.19
		38.0	246.82	198.88	0.81	8.77	276.72	69.67	11.58
		40.7	247.04	198.98	0.81	8.66	276.59	68.69	13.05
		43.4	247.24	199.06	0.81	8.57	276.48	67.83	14.59
		46.1	247.44	199.15	0.80	8.49	276.40	67.07	16.21
		48.8	247.61	199.22	0.80	8.42	276.33	66.40	17.89
		51.5	247.79	199.30	0.80	8.35	276.29	65.80	19.65
		54.3	248.24	199.50	0.80	8.30	276.54	65.27	21.48
		57.0	248.01	199.39	0.80	8.24	276.15	64.77	23.38
		59.7	248.09	199.42	0.80	8.20	276.07	64.32	25.35
		62.4	248.20	199.47	0.80	8.16	276.03	63.91	27.38
		65.1	248.27	199.50	0.80	8.12	275.96	63.54	29.50

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK210	65	35.3	238.31	195.13	0.82	10.27	273.37	80.63	9.85
		38.0	238.55	195.23	0.82	10.14	273.16	79.51	11.20
		40.7	238.75	195.31	0.82	10.03	272.97	78.53	12.62
		43.4	238.93	195.38	0.82	9.93	272.81	77.68	14.11
		46.1	239.09	195.45	0.82	9.84	272.67	76.93	15.68
		48.8	239.22	195.51	0.82	9.77	272.55	76.26	17.31
		51.5	239.35	195.56	0.82	9.70	272.44	75.67	19.01
		54.3	238.93	192.76	0.81	9.65	271.85	75.11	20.78
		57.0	239.66	195.69	0.82	9.58	272.36	74.65	22.62
		59.7	239.71	195.71	0.82	9.53	272.24	74.21	24.52
		62.4	239.81	195.76	0.82	9.49	272.18	73.81	26.49
		65.1	239.28	192.92	0.81	9.46	271.54	73.42	28.54
	75	35.3	232.86	192.54	0.83	11.42	271.83	90.58	9.52
		38.0	233.10	192.64	0.83	11.29	271.60	89.46	10.83
		40.7	233.29	192.72	0.83	11.17	271.40	88.49	12.20
		43.4	233.47	192.79	0.83	11.07	271.23	87.64	13.64
		46.1	233.62	192.86	0.83	10.98	271.08	86.89	15.15
		48.8	233.75	192.91	0.83	10.90	270.94	86.22	16.72
		51.5	233.87	192.96	0.83	10.83	270.82	85.63	18.37
		54.3	233.98	193.00	0.82	10.77	270.71	85.09	20.08
		57.0	234.08	193.05	0.82	10.71	270.62	84.61	21.85
		59.7	234.17	193.08	0.82	10.66	270.53	84.17	23.69
		62.4	234.32	193.15	0.82	10.61	270.53	83.77	25.59
		65.1	56.99	56.99	1.00	7.66	83.13	77.55	27.56
	85	35.3	225.53	189.24	0.84	12.85	269.37	100.47	9.22
		38.0	225.77	189.34	0.84	12.71	269.14	99.35	10.48
		40.7	225.97	189.43	0.84	12.59	268.93	98.39	11.81
		43.4	226.15	189.50	0.84	12.49	268.75	97.54	13.21
		46.1	226.30	189.56	0.84	12.39	268.59	96.80	14.67
		48.8	226.44	189.62	0.84	12.31	268.45	96.14	16.19
		51.5	226.56	189.67	0.84	12.24	268.33	95.55	17.78
		54.3	226.67	189.72	0.84	12.17	268.21	95.02	19.44
		57.0	226.77	189.76	0.84	12.12	268.11	94.54	21.15
		59.7	226.86	189.79	0.84	12.06	268.02	94.10	22.93
		62.4	226.95	189.83	0.84	12.01	267.94	93.70	24.77
		65.1	227.02	189.86	0.84	11.97	267.86	93.34	26.68
	95	35.3	216.00	182.86	0.85	14.58	265.74	110.27	8.95
		38.0	216.22	182.95	0.85	14.43	265.47	109.17	10.17
		40.7	216.39	183.04	0.85	14.31	265.22	108.22	11.46
		43.4	216.56	183.11	0.85	14.20	265.02	107.38	12.81
		46.1	216.70	183.17	0.85	14.11	264.84	106.65	14.23
		48.8	216.82	183.23	0.85	14.02	264.66	105.99	15.71
		51.5	216.93	183.27	0.84	13.95	264.51	105.41	17.25
		54.3	217.03	183.32	0.84	13.88	264.38	104.89	18.85
		57.0	217.11	183.36	0.84	13.82	264.26	104.41	20.52
		59.7	217.19	183.39	0.84	13.76	264.16	103.98	22.24
		62.4	217.27	183.43	0.84	13.71	264.06	103.59	24.02
		65.1	217.33	183.46	0.84	13.67	263.96	103.22	25.88

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK210	105	35.3	206.39	178.36	0.86	16.44	262.47	120.10	8.70
		38.0	206.58	178.45	0.86	16.29	262.17	119.01	9.88
		40.7	206.74	178.52	0.86	16.17	261.91	118.06	11.14
		43.4	206.89	178.59	0.86	16.06	261.68	117.24	12.45
		46.1	207.01	178.64	0.86	15.96	261.47	116.51	13.82
		48.8	207.13	178.69	0.86	15.87	261.29	115.86	15.26
		51.5	207.22	178.74	0.86	15.80	261.13	115.29	16.76
		54.3	207.31	178.78	0.86	15.73	260.98	114.77	18.32
		57.0	207.39	178.81	0.86	15.67	260.85	114.30	19.93
		59.7	207.46	178.84	0.86	15.61	260.73	113.87	21.61
		62.4	207.53	178.87	0.86	15.56	260.62	113.48	23.34
		65.1	207.59	178.90	0.86	15.51	260.52	113.13	25.14
	115	35.3	196.38	173.68	0.88	18.41	259.19	129.93	8.46
		38.0	196.55	173.76	0.88	18.27	258.88	128.85	9.62
		40.7	196.70	173.82	0.88	18.15	258.61	127.91	10.83
		43.4	196.83	173.88	0.88	18.04	258.37	127.10	12.11
		46.1	196.94	173.93	0.88	17.94	258.17	126.38	13.44
		48.8	197.04	173.98	0.88	17.86	257.97	125.74	14.84
		51.5	197.13	174.02	0.88	17.78	257.80	125.17	16.30
		54.3	197.21	174.05	0.88	17.72	257.65	124.65	17.81
		57.0	197.28	174.08	0.88	17.65	257.51	124.19	19.38
		59.7	197.34	174.11	0.88	17.60	257.39	123.77	21.01
		62.4	197.40	174.14	0.88	17.55	257.27	123.38	22.69
		65.1	197.46	174.16	0.88	17.50	257.16	123.03	24.44
	120	35.3	191.19	171.25	0.90	19.43	257.48	134.84	8.35
		38.0	191.35	171.32	0.90	19.29	257.17	133.76	9.48
		40.7	191.49	171.39	0.90	19.17	256.90	132.83	10.68
		43.4	191.61	171.44	0.89	19.06	256.66	132.02	11.94
		46.1	191.72	171.49	0.89	18.97	256.45	131.31	13.26
		48.8	191.81	171.53	0.89	18.89	256.26	130.67	14.63
		51.5	191.90	171.57	0.89	18.81	256.09	130.10	16.07
		54.3	191.97	171.60	0.89	18.75	255.94	129.59	17.56
		57.0	192.04	171.63	0.89	18.69	255.80	129.13	19.11
		59.7	192.10	171.66	0.89	18.63	255.67	128.71	20.71
		62.4	192.16	171.69	0.89	18.58	255.56	128.33	22.37
		65.1	192.21	171.71	0.89	18.54	255.45	127.98	24.09
GSK240	45	40.3	294.94	232.95	0.79	9.25	326.49	61.23	7.51
		43.4	294.98	232.97	0.79	9.11	326.08	60.06	8.54
		46.5	294.99	232.98	0.79	9.00	325.70	59.04	9.63
		49.6	295.01	232.99	0.79	8.90	325.39	58.15	10.77
		52.7	295.02	233.00	0.79	8.82	325.10	57.36	11.96
		55.8	295.02	233.00	0.79	8.74	324.84	56.67	13.21
		58.9	295.65	233.28	0.79	8.79	325.65	56.08	14.51
		62.0	295.64	233.28	0.79	8.73	325.42	55.52	15.87
		65.1	296.17	233.52	0.79	8.67	325.75	55.03	17.27
		68.2	295.63	233.27	0.79	8.62	325.04	54.55	18.73
		71.3	295.61	233.26	0.79	8.57	324.85	54.13	20.23
		74.4	295.60	233.26	0.79	8.53	324.69	53.75	21.79

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK240	55	40.3	287.63	229.55	0.80	10.58	323.74	71.11	7.22
		43.4	287.70	229.58	0.80	10.44	323.33	69.94	8.21
		46.5	287.74	229.60	0.80	10.33	322.97	68.92	9.26
		49.6	287.78	229.62	0.80	10.22	322.66	68.04	10.35
		52.7	287.81	229.64	0.80	10.13	322.39	67.27	11.50
		55.8	287.83	229.65	0.80	10.05	322.13	66.57	12.70
		58.9	287.85	229.66	0.80	9.98	321.91	65.96	13.95
		62.0	287.86	229.67	0.80	9.92	321.70	65.40	15.25
		65.1	287.88	229.67	0.80	9.86	321.52	64.90	16.60
		68.2	287.97	229.72	0.80	9.81	321.43	64.45	18.00
		71.3	288.12	229.79	0.80	9.76	321.42	64.04	19.45
		74.4	287.93	229.70	0.80	9.72	321.08	63.65	20.94
	65	40.3	279.60	225.88	0.81	12.07	320.79	80.96	7.02
		43.4	279.70	225.92	0.81	11.93	320.39	79.80	7.98
		46.5	279.78	225.96	0.81	11.80	320.04	78.80	8.99
		49.6	279.85	225.99	0.81	11.69	319.74	77.93	10.06
		52.7	279.90	226.01	0.81	11.59	319.46	77.16	11.17
		55.8	279.94	226.03	0.81	11.51	319.22	76.47	12.34
		58.9	279.98	226.04	0.81	11.43	319.00	75.86	13.55
		62.0	280.02	226.06	0.81	11.37	318.80	75.31	14.82
		65.1	280.05	226.07	0.81	11.31	318.62	74.82	16.13
		68.2	280.07	226.08	0.81	11.25	318.46	74.37	17.49
		71.3	280.09	226.09	0.81	11.20	318.30	73.96	18.89
		74.4	280.11	226.10	0.81	11.15	318.16	73.58	20.34
	75	40.3	273.71	222.98	0.81	13.35	319.26	90.91	6.78
		43.4	273.85	223.04	0.81	13.20	318.89	89.76	7.71
		46.5	267.86	221.50	0.83	13.14	312.70	88.51	8.69
		49.6	274.06	223.13	0.81	12.96	318.27	87.89	9.72
		52.7	274.15	223.17	0.81	12.86	318.02	87.12	10.80
		55.8	274.22	223.20	0.81	12.77	317.79	86.44	11.92
		58.9	274.28	223.22	0.81	12.69	317.59	85.83	13.10
		62.0	274.33	223.24	0.81	12.62	317.40	85.28	14.32
		65.1	274.38	223.26	0.81	12.56	317.23	84.79	15.58
		68.2	274.42	223.28	0.81	12.50	317.07	84.34	16.89
		71.3	274.46	223.30	0.81	12.45	316.93	83.93	18.25
		74.4	274.49	223.31	0.81	12.40	316.80	83.55	19.65
	85	40.3	265.24	217.10	0.82	14.82	315.81	100.74	6.57
		43.4	265.43	217.19	0.82	14.67	315.47	99.60	7.47
		46.5	265.60	217.27	0.82	14.53	315.19	98.62	8.42
		49.6	265.74	217.33	0.82	14.42	314.93	97.76	9.41
		52.7	265.86	217.38	0.82	14.31	314.69	97.00	10.46
		55.8	265.97	217.43	0.82	14.22	314.49	96.33	11.55
		58.9	266.06	217.47	0.82	14.14	314.31	95.72	12.68
		62.0	266.13	217.51	0.82	14.07	314.14	95.18	13.86
		65.1	266.20	217.54	0.82	14.00	313.99	94.69	15.09
		68.2	266.26	217.57	0.82	13.95	313.85	94.25	16.36
		71.3	266.32	217.59	0.82	13.89	313.72	93.84	17.67
		74.4	266.37	217.62	0.82	13.84	313.61	93.47	19.03

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK240	95	40.3	254.31	211.92	0.83	16.68	311.24	110.50	6.38
		43.4	254.54	212.02	0.83	16.52	310.91	109.38	7.25
		46.5	254.73	212.11	0.83	16.38	310.62	108.41	8.17
		49.6	254.90	212.18	0.83	16.26	310.37	107.57	9.14
		52.7	255.05	212.25	0.83	16.15	310.15	106.82	10.15
		55.8	255.17	212.30	0.83	16.05	309.95	106.15	11.20
		58.9	255.28	212.35	0.83	15.97	309.76	105.56	12.30
		62.0	255.38	212.39	0.83	15.89	309.61	105.03	13.45
		65.1	255.47	212.43	0.83	15.83	309.47	104.55	14.64
		68.2	255.68	214.87	0.84	15.76	309.45	104.11	15.87
		71.3	255.75	214.90	0.84	15.70	309.33	103.72	17.14
		74.4	255.81	214.92	0.84	15.65	309.21	103.35	18.46
	105	40.3	242.36	206.28	0.85	18.73	306.27	120.24	6.20
		43.4	242.61	206.40	0.85	18.56	305.95	119.14	7.05
		46.5	242.83	206.49	0.85	18.42	305.67	118.18	7.94
		49.6	243.02	206.58	0.85	18.29	305.43	117.35	8.88
		52.7	243.19	206.65	0.85	18.18	305.21	116.62	9.86
		55.8	243.32	206.71	0.85	18.08	305.01	115.97	10.89
		58.9	243.45	206.77	0.85	17.99	304.85	115.38	11.96
		62.0	243.57	206.82	0.85	17.91	304.70	114.86	13.07
		65.1	243.68	206.87	0.85	17.84	304.56	114.39	14.22
		68.2	243.77	206.91	0.85	17.78	304.43	113.96	15.42
		71.3	243.84	206.94	0.85	17.72	304.30	113.56	16.65
		74.4	243.92	206.97	0.85	17.67	304.19	113.20	17.93
	115	40.3	229.39	200.19	0.87	20.96	300.89	129.95	6.04
		43.4	229.65	200.31	0.87	20.79	300.58	128.87	6.86
		46.5	229.89	200.41	0.87	20.64	300.32	127.94	7.73
		49.6	230.09	200.50	0.87	20.51	300.08	127.12	8.64
		52.7	230.26	200.58	0.87	20.40	299.88	126.40	9.59
		55.8	230.43	200.65	0.87	20.30	299.70	125.76	10.59
		58.9	230.56	200.71	0.87	20.21	299.53	125.19	11.63
		62.0	230.69	200.76	0.87	20.13	299.39	124.67	12.71
		65.1	230.80	200.81	0.87	20.06	299.26	124.21	13.83
		68.2	230.90	200.86	0.87	20.00	299.13	123.79	15.00
		71.3	230.99	200.90	0.87	19.94	299.01	123.40	16.20
		74.4	231.07	200.93	0.87	19.88	298.91	123.05	17.44
	120	40.3	222.52	196.97	0.89	22.13	298.02	134.80	5.96
		43.4	222.79	197.09	0.88	21.96	297.72	133.73	6.77
		46.5	223.04	197.20	0.88	21.81	297.46	132.80	7.62
		49.6	223.23	197.28	0.88	21.69	297.23	131.99	8.52
		52.7	223.41	197.36	0.88	21.58	297.03	131.28	9.47
		55.8	223.57	197.43	0.88	21.48	296.86	130.65	10.45
		58.9	223.71	197.49	0.88	21.39	296.70	130.08	11.48
		62.0	223.84	197.55	0.88	21.31	296.56	129.58	12.54
		65.1	223.96	197.60	0.88	21.24	296.43	129.12	13.65
		68.2	224.05	197.64	0.88	21.17	296.30	128.70	14.79
		71.3	224.16	197.69	0.88	21.11	296.20	128.32	15.98
		74.4	224.23	197.72	0.88	21.06	296.09	127.97	17.21

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK300	45	50.4	323.19	272.86	0.84	10.90	360.39	59.32	11.19
		54.3	323.31	272.91	0.84	10.78	360.11	58.29	12.72
		58.1	324.21	273.29	0.84	10.83	361.15	57.44	14.33
		62.0	323.60	269.41	0.83	10.74	360.25	56.63	16.03
		65.9	324.37	273.36	0.84	10.65	360.72	55.96	17.81
		69.8	324.32	273.33	0.84	10.58	360.43	55.35	19.67
		73.6	324.34	273.34	0.84	10.52	360.24	54.80	21.60
		77.5	324.40	273.37	0.84	10.46	360.09	54.31	23.61
		81.4	324.43	273.38	0.84	10.41	359.95	53.86	25.70
		85.2	324.47	273.40	0.84	10.36	359.83	53.46	27.87
		89.1	324.51	273.41	0.84	10.32	359.72	53.09	30.11
		93.0	323.92	273.17	0.84	10.16	358.58	52.73	32.43
	55	50.4	314.58	268.98	0.86	12.31	356.57	69.15	10.76
		54.3	314.69	269.03	0.85	12.18	356.24	68.13	12.23
		58.1	314.77	269.06	0.85	12.07	355.96	67.25	13.78
		62.0	314.85	269.10	0.85	11.97	355.71	66.48	15.41
		65.9	314.42	264.97	0.84	11.90	355.01	65.78	17.12
		69.8	314.48	265.00	0.84	11.82	354.82	65.18	18.90
		73.6	314.80	265.16	0.84	11.76	354.91	64.65	20.76
		77.5	314.61	265.06	0.84	11.70	354.52	64.16	22.70
		81.4	314.60	265.05	0.84	11.64	354.33	63.72	24.70
		85.2	314.62	265.06	0.84	11.60	354.18	63.32	26.78
		89.1	315.22	269.25	0.85	11.55	354.61	62.97	28.93
		93.0	315.26	269.27	0.85	11.50	354.51	62.63	31.16
	65	50.4	305.48	264.93	0.87	13.92	352.98	78.99	10.37
		54.3	305.59	264.97	0.87	13.78	352.61	77.98	11.78
		58.1	305.68	265.01	0.87	13.66	352.30	77.11	13.28
		62.0	305.76	265.05	0.87	13.56	352.02	76.35	14.85
		65.9	305.83	265.07	0.87	13.47	351.78	75.67	16.50
		69.8	305.89	265.10	0.87	13.38	351.56	75.08	18.22
		73.6	305.67	260.65	0.85	13.32	351.11	74.53	20.01
		77.5	285.13	285.13	1.00	13.21	330.20	73.52	21.87
		81.4	305.69	260.66	0.85	13.20	350.72	73.62	23.80
		85.2	305.60	260.61	0.85	13.14	350.45	73.22	25.81
		89.1	305.64	260.64	0.85	13.10	350.33	72.86	27.88
		93.0	305.65	260.64	0.85	13.05	350.18	72.53	30.03
	75	50.4	299.75	262.16	0.87	15.35	352.13	88.97	10.02
		54.3	299.89	262.21	0.87	15.20	351.76	87.96	11.39
		58.1	300.00	262.26	0.87	15.08	351.44	87.09	12.83
		62.0	300.10	262.30	0.87	14.97	351.16	86.33	14.35
		65.9	300.18	262.33	0.87	14.87	350.91	85.65	15.94
		69.8	300.25	262.36	0.87	14.78	350.69	85.06	17.60
		73.6	300.31	262.39	0.87	14.71	350.50	84.52	19.33
		77.5	300.37	262.41	0.87	14.64	350.32	84.05	21.13
		81.4	300.42	262.43	0.87	14.58	350.16	83.61	22.99
		85.2	300.10	258.93	0.86	14.53	349.67	83.21	24.93
		89.1	300.14	258.95	0.86	14.48	349.54	82.85	26.93
		93.0	300.27	259.01	0.86	14.43	349.51	82.52	29.00

Gross Cooling Capacities

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK300	85	50.4	291.39	255.14	0.88	17.00	349.41	98.85	9.70
		54.3	291.82	258.54	0.89	16.85	349.31	97.86	11.03
		58.1	291.97	258.60	0.89	16.71	349.00	96.99	12.43
		62.0	292.10	258.65	0.89	16.60	348.73	96.24	13.90
		65.9	292.20	258.69	0.89	16.50	348.49	95.57	15.43
		69.8	292.29	258.73	0.89	16.41	348.28	94.98	17.04
		73.6	292.37	258.76	0.89	16.33	348.09	94.45	18.72
		77.5	292.44	258.79	0.88	16.26	347.91	93.98	20.46
		81.4	292.23	255.52	0.87	16.20	347.50	93.54	22.26
		85.2	292.29	255.54	0.87	16.14	347.36	93.15	24.14
		89.1	292.34	255.57	0.87	16.09	347.23	92.79	26.07
		93.0	292.39	255.59	0.87	16.04	347.11	92.46	28.08
	95	50.4	279.63	249.62	0.89	19.13	344.88	108.63	9.42
		54.3	280.03	253.47	0.91	18.96	344.72	107.66	10.70
		58.1	280.19	253.53	0.90	18.82	344.40	106.81	12.06
		62.0	280.33	253.59	0.90	18.69	344.12	106.06	13.48
		65.9	280.45	253.64	0.90	18.59	343.87	105.41	14.98
		69.8	280.56	253.68	0.90	18.49	343.65	104.82	16.53
		73.6	280.44	249.98	0.89	18.41	343.26	104.30	18.16
		77.5	280.53	250.01	0.89	18.33	343.08	103.83	19.85
		81.4	280.60	250.05	0.89	18.27	342.92	103.40	21.60
		85.2	280.67	250.07	0.89	18.20	342.77	103.02	23.41
		89.1	280.73	250.10	0.89	18.15	342.64	102.67	25.29
		93.0	280.78	250.13	0.89	18.09	342.52	102.35	27.24
	105	50.4	266.85	243.64	0.91	21.48	340.16	118.40	9.15
		54.3	267.07	243.74	0.91	21.31	339.79	117.44	10.40
		58.1	267.25	243.82	0.91	21.17	339.47	116.60	11.72
		62.0	267.41	243.89	0.91	21.04	339.19	115.87	13.10
		65.9	267.55	243.95	0.91	20.93	338.95	115.22	14.55
		69.8	267.66	244.00	0.91	20.83	338.73	114.65	16.07
		73.6	267.78	244.05	0.91	20.74	338.53	114.14	17.64
		77.5	267.87	244.09	0.91	20.66	338.35	113.68	19.29
		81.4	267.95	244.12	0.91	20.59	338.19	113.26	20.99
		85.2	268.03	244.16	0.91	20.52	338.04	112.88	22.75
		89.1	268.10	244.19	0.91	20.46	337.91	112.54	24.57
		93.0	268.16	244.21	0.91	20.41	337.79	112.22	26.46
	115	50.4	253.02	237.18	0.94	24.07	335.15	128.16	8.91
		54.3	253.25	237.28	0.94	23.90	334.79	127.21	10.13
		58.1	253.45	237.37	0.94	23.75	334.48	126.39	11.41
		62.0	253.61	237.44	0.94	23.62	334.20	125.67	12.75
		65.9	253.77	237.51	0.94	23.50	333.97	125.04	14.16
		69.8	253.91	237.57	0.94	23.40	333.76	124.47	15.63
		73.6	254.02	237.62	0.94	23.31	333.56	123.97	17.17
		77.5	254.12	237.66	0.94	23.23	333.38	123.52	18.78
		81.4	254.22	237.70	0.94	23.16	333.23	123.11	20.44
		85.2	254.30	237.74	0.93	23.09	333.08	122.74	22.16
		89.1	254.38	237.77	0.93	23.03	332.95	122.40	23.93
		93.0	254.45	237.80	0.93	22.97	332.83	122.09	25.77

Table 9. Gross cooling capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Sen Mbtuh	SHR	Comp Pwr kW	Reject Mbtuh	LWT	Feet Head
GSK300	120	50.4	245.69	233.75	0.95	25.43	332.47	133.03	8.79
		54.3	245.93	233.86	0.95	25.26	332.13	132.09	9.99
		58.1	246.13	233.95	0.95	25.12	331.83	131.27	11.28
		62.0	246.31	234.02	0.95	24.99	331.56	130.56	12.61
		65.9	246.46	234.09	0.95	24.87	331.33	129.94	14.00
		69.8	246.60	234.15	0.95	24.77	331.12	129.38	15.46
		73.6	246.71	234.20	0.95	24.68	330.93	128.88	16.97
		77.5	246.82	234.25	0.95	24.60	330.76	128.44	18.55
		81.4	246.92	234.29	0.95	24.53	330.60	128.03	20.18
		85.2	247.00	234.33	0.95	24.46	330.46	127.66	21.88
		89.1	247.08	234.36	0.95	24.40	330.33	127.33	23.63
		93.0	247.16	234.39	0.95	24.34	330.21	127.02	25.45

Note: Rated in accordance with ANSI/AHRI/ASHRAE/ISO13256-1. Certified conditions are 80.6F DB/66.2F WB EAT in cooling and 68F DB/59F WB EAT in heating. For conditions other than what is tabulated, multipliers must be used to correct performance. See performance correction tables for fan correction factors for CFM other than rated and the cooling correction factors for variations in entering air temperature.

Heating Capacities

Table 10. Heating capacities

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK036	25	5.9	24.48	18.31	1.81	17.81	5.97
		6.3	24.66	18.48	1.81	18.27	6.79
		6.8	24.82	18.63	1.81	18.67	7.65
		7.2	24.96	18.76	1.82	19.02	8.56
		7.7	25.08	18.88	1.82	19.34	9.51
		8.1	25.19	18.99	1.82	19.62	10.50
		8.5	25.30	19.08	1.82	19.88	11.54
		9.0	25.39	19.17	1.82	20.11	12.61
		9.5	25.47	19.25	1.82	20.33	13.73
		9.9	25.55	19.32	1.82	20.52	14.89
		10.4	25.62	19.39	1.83	20.70	16.09
		10.8	25.68	19.45	1.83	20.87	17.33
	32	5.9	27.08	20.77	1.85	23.87	5.79
		6.3	27.29	20.97	1.85	24.38	6.59
		6.8	27.47	21.14	1.86	24.83	7.43
		7.2	27.64	21.30	1.86	25.23	8.31
		7.7	27.78	21.44	1.86	25.58	9.23
		8.1	27.91	21.56	1.86	25.91	10.19
		8.5	28.03	21.67	1.86	26.20	11.20
		9.0	28.14	21.77	1.87	26.46	12.24
		9.5	28.24	21.86	1.87	26.70	13.32
		9.9	28.33	21.95	1.87	26.92	14.45
		10.4	28.41	22.03	1.87	27.13	15.61
		10.8	28.49	22.10	1.87	27.31	16.81
	45	5.9	33.18	26.54	1.95	35.39	4.68
		6.3	33.47	26.81	1.95	35.99	5.32
		6.8	33.72	27.05	1.96	36.51	6.00
		7.2	33.95	27.26	1.96	36.97	6.71
		7.7	34.16	27.46	1.96	37.39	7.45
		8.1	34.34	27.63	1.97	37.77	8.23
		8.5	34.51	27.79	1.97	38.11	9.04
		9.0	34.66	27.93	1.97	38.42	9.88
		9.5	34.80	28.06	1.98	38.70	10.76
		9.9	34.93	28.18	1.98	38.96	11.66
		10.4	35.04	28.29	1.98	39.20	12.60
		10.8	35.15	28.39	1.98	39.42	13.57

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK036	55	5.9	37.47	30.57	2.02	43.86	4.50
		6.3	37.82	30.90	2.03	44.54	5.12
		6.8	38.13	31.19	2.03	45.14	5.77
		7.2	38.40	31.44	2.04	45.68	6.45
		7.7	38.64	31.67	2.04	46.16	7.17
		8.1	38.87	31.88	2.05	46.59	7.91
		8.5	39.07	32.07	2.05	46.99	8.69
		9.0	39.25	32.24	2.05	47.34	9.50
		9.5	39.42	32.40	2.06	47.67	10.34
		9.9	39.57	32.55	2.06	47.97	11.21
		10.4	39.71	32.67	2.06	48.25	12.11
		10.8	39.84	32.80	2.06	48.50	13.04
	65	5.9	41.09	34.03	2.07	52.61	4.40
		6.3	41.50	34.42	2.08	53.35	5.00
		6.8	41.87	34.76	2.08	54.01	5.64
		7.2	42.20	35.07	2.09	54.60	6.31
		7.7	42.49	35.35	2.09	55.13	7.01
		8.1	42.76	35.60	2.10	55.61	7.74
		8.5	43.01	35.83	2.10	56.04	8.50
		9.0	43.23	36.04	2.11	56.43	9.29
		9.5	43.43	36.23	2.11	56.80	10.11
		9.9	43.62	36.41	2.11	57.13	10.96
		10.4	43.79	36.57	2.12	57.43	11.84
		10.8	43.96	36.73	2.12	57.71	12.75
	75	5.9	45.76	38.42	2.15	60.86	4.26
		6.3	46.24	38.87	2.16	61.70	4.84
		6.8	46.67	39.27	2.17	62.45	5.45
		7.2	47.05	39.62	2.18	63.12	6.10
		7.7	47.39	39.95	2.18	63.72	6.77
		8.1	47.70	40.24	2.19	64.26	7.48
		8.5	47.98	40.50	2.19	64.75	8.21
		9.0	48.24	40.74	2.20	65.20	8.98
		9.5	48.47	40.96	2.20	65.61	9.77
		9.9	48.69	41.17	2.21	65.99	10.59
		10.4	48.89	41.35	2.21	66.34	11.44
		10.8	49.08	41.53	2.21	66.66	12.32
	85	5.9	50.48	42.85	2.24	69.06	4.12
		6.3	51.04	43.37	2.25	70.00	4.69
		6.8	51.55	43.84	2.26	70.84	5.28
		7.2	51.99	44.26	2.27	71.59	5.91
		7.7	52.39	44.63	2.27	72.26	6.56
		8.1	52.75	44.97	2.28	72.87	7.24
		8.5	53.08	45.28	2.29	73.42	7.95
		9.0	53.39	45.56	2.29	73.93	8.69
		9.5	53.66	45.82	2.30	74.39	9.46
		9.9	53.91	46.05	2.30	74.82	10.26
		10.4	54.15	46.27	2.31	75.21	11.08
		10.8	54.37	46.48	2.31	75.57	11.93

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK048	25	7.8	32.67	24.24	2.47	17.93	5.38
		8.4	32.92	24.48	2.47	18.37	6.12
		9.0	33.14	24.69	2.48	18.76	6.90
		9.6	33.34	24.87	2.48	19.11	7.72
		10.2	33.52	25.04	2.48	19.42	8.58
		10.8	33.68	25.19	2.49	19.70	9.48
		11.4	33.82	25.33	2.49	19.95	10.41
		12.0	33.96	25.45	2.49	20.18	11.38
		12.6	34.08	25.57	2.49	20.39	12.39
		13.2	34.19	25.67	2.50	20.58	13.44
		13.8	34.29	25.77	2.50	20.76	14.52
		14.4	34.38	25.86	2.50	20.92	15.63
	32	7.8	36.15	27.51	2.53	24.01	5.23
		8.4	36.44	27.79	2.54	24.50	5.94
		9.0	36.70	28.03	2.54	24.94	6.70
		9.6	36.93	28.24	2.55	25.33	7.49
		10.2	37.13	28.44	2.55	25.68	8.33
		10.8	37.32	28.61	2.55	26.00	9.20
		11.4	37.49	28.77	2.56	26.28	10.10
		12.0	37.64	28.92	2.56	26.54	11.05
		12.6	37.78	29.05	2.56	26.78	12.02
		13.2	37.91	29.17	2.56	26.99	13.04
		13.8	38.03	29.28	2.56	27.19	14.08
		14.4	38.14	29.38	2.57	27.38	15.17
	45	7.8	44.24	35.12	2.67	35.57	4.27
		8.4	44.63	35.48	2.68	36.15	4.85
		9.0	44.97	35.80	2.69	36.67	5.47
		9.6	45.27	36.09	2.69	37.13	6.12
		10.2	45.55	36.35	2.70	37.53	6.80
		10.8	45.79	36.58	2.70	37.90	7.51
		11.4	46.01	36.79	2.70	38.24	8.25
		12.0	46.22	36.98	2.71	38.54	9.02
		12.6	46.40	37.15	2.71	38.82	9.81
		13.2	46.57	37.31	2.71	39.07	10.64
		13.8	46.73	37.46	2.72	39.31	11.50
		14.4	46.88	37.59	2.72	39.53	12.38
	55	7.8	49.96	40.48	2.78	44.08	4.11
		8.4	50.41	40.91	2.78	44.75	4.67
		9.0	50.81	41.28	2.79	45.34	5.26
		9.6	51.16	41.62	2.80	45.87	5.89
		10.2	51.48	41.92	2.80	46.34	6.54
		10.8	51.77	42.19	2.81	46.77	7.22
		11.4	52.03	42.43	2.81	47.15	7.93
		12.0	52.26	42.65	2.82	47.50	8.67
		12.6	52.47	42.85	2.82	47.83	9.43
		13.2	52.69	43.04	2.83	48.12	10.23
		13.8	52.87	43.21	2.83	48.39	11.05
		14.4	53.03	43.37	2.83	48.64	11.90

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK048	65	7.8	54.86	45.13	2.85	52.85	3.49
		8.4	55.40	45.64	2.86	53.59	3.97
		9.0	55.88	46.09	2.87	54.24	4.48
		9.6	56.31	46.49	2.88	54.82	5.01
		10.2	56.70	46.85	2.89	55.34	5.56
		10.8	57.04	47.18	2.89	55.81	6.14
		11.4	57.36	47.47	2.90	56.23	6.74
		12.0	57.65	47.74	2.90	56.62	7.37
		12.6	57.91	47.99	2.91	56.98	8.02
		13.2	58.15	48.21	2.91	57.30	8.70
		13.8	58.38	48.42	2.92	57.60	9.40
		14.4	58.59	48.62	2.92	57.88	10.12
	75	7.8	61.00	50.88	2.97	61.19	3.38
		8.4	61.62	51.46	2.98	62.02	3.84
		9.0	62.17	51.96	2.99	62.75	4.33
		9.6	62.65	52.42	3.00	63.41	4.84
		10.2	63.09	52.82	3.01	64.00	5.37
		10.8	63.48	53.19	3.02	64.54	5.93
		11.4	63.84	53.52	3.02	65.02	6.52
		12.0	64.16	53.82	3.03	65.46	7.12
		12.6	64.46	54.10	3.04	65.87	7.75
		13.2	64.73	54.35	3.04	66.24	8.40
		13.8	64.98	54.59	3.05	66.58	9.08
		14.4	65.22	54.80	3.05	66.90	9.77
	85	7.8	67.10	56.55	3.09	69.50	3.27
		8.4	67.76	57.17	3.11	70.44	3.72
		9.0	68.37	57.73	3.12	71.26	4.19
		9.6	68.92	58.24	3.13	72.00	4.68
		10.2	69.42	58.70	3.14	72.66	5.20
		10.8	69.87	59.11	3.15	73.26	5.75
		11.4	70.27	59.49	3.16	73.81	6.31
		12.0	70.65	59.83	3.17	74.30	6.90
		12.6	70.99	60.14	3.18	74.75	7.51
		13.2	71.30	60.43	3.19	75.17	8.14
		13.8	71.58	60.69	3.19	75.55	8.79
		14.4	71.85	60.93	3.20	75.91	9.46
GSK060	25	9.7	39.25	29.20	2.95	18.27	9.33
		10.5	39.54	29.47	2.95	18.70	10.61
		11.3	39.80	29.72	2.95	19.07	11.97
		12.0	40.03	29.94	2.96	19.40	13.39
		12.8	40.24	30.14	2.96	19.70	14.88
		13.5	40.43	30.31	2.96	19.96	16.43
		14.3	40.60	30.47	2.97	20.20	18.05
		15.0	40.75	30.62	2.97	20.42	19.74
		15.7	40.89	30.75	2.97	20.62	21.49
		16.5	41.02	30.88	2.97	20.80	23.30
		17.3	41.14	30.99	2.98	20.97	25.18
		18.0	41.25	31.09	2.98	21.13	27.11

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK060	32	9.7	43.55	33.27	3.01	24.36	9.06
		10.5	43.90	33.60	3.02	24.84	10.31
		11.3	44.20	33.89	3.02	25.26	11.62
		12.0	44.48	34.14	3.03	25.63	12.99
		12.8	44.72	34.37	3.03	25.97	14.44
		13.5	44.94	34.58	3.04	26.27	15.95
		14.3	45.14	34.77	3.04	26.54	17.52
		15.0	45.32	34.94	3.04	26.79	19.15
		15.7	45.49	35.10	3.04	27.01	20.85
		16.5	45.64	35.24	3.05	27.22	22.61
		17.3	45.78	35.38	3.05	27.41	24.42
		18.0	45.91	35.50	3.05	27.59	26.30
	45	9.7	53.83	42.96	3.19	35.87	6.97
		10.5	54.30	43.40	3.20	36.44	7.93
		11.3	54.72	43.79	3.20	36.93	8.93
		12.0	55.09	44.14	3.21	37.38	9.99
		12.8	55.42	44.45	3.21	37.77	11.10
		13.5	55.71	44.73	3.22	38.13	12.26
		14.3	55.99	44.99	3.22	38.45	13.47
		15.0	56.23	45.22	3.23	38.75	14.72
		15.7	56.46	45.43	3.23	39.02	16.03
		16.5	56.66	45.63	3.23	39.26	17.38
		17.3	56.85	45.81	3.24	39.49	18.77
		18.0	57.03	45.97	3.24	39.70	20.22
	55	9.7	61.00	49.70	3.31	44.40	6.71
		10.5	61.55	50.22	3.32	45.05	7.62
		11.3	62.04	50.68	3.33	45.62	8.59
		12.0	62.47	51.08	3.34	46.14	9.61
		12.8	62.86	51.45	3.34	46.60	10.68
		13.5	63.21	51.77	3.35	47.01	11.79
		14.3	63.52	52.07	3.36	47.39	12.95
		15.0	63.81	52.34	3.36	47.73	14.16
		15.7	64.07	52.59	3.37	48.04	15.41
		16.5	64.30	52.80	3.37	48.33	16.71
		17.3	64.51	53.00	3.37	48.59	18.05
		18.0	64.72	53.19	3.38	48.84	19.43
	65	9.7	67.11	55.49	3.40	53.19	6.41
		10.5	67.76	56.10	3.42	53.91	7.29
		11.3	68.34	56.64	3.43	54.55	8.21
		12.0	68.85	57.12	3.44	55.11	9.19
		12.8	69.31	57.55	3.45	55.62	10.20
		13.5	69.73	57.94	3.45	56.08	11.27
		14.3	70.11	58.29	3.46	56.49	12.38
		15.0	70.45	58.62	3.47	56.87	13.53
		15.7	70.76	58.91	3.47	57.22	14.72
		16.5	71.05	59.18	3.48	57.53	15.96
		17.3	71.32	59.43	3.49	57.83	17.25
		18.0	71.56	59.65	3.49	58.10	18.57

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK060	75	9.7	74.68	62.55	3.56	61.58	6.20
		10.5	75.43	63.24	3.57	62.39	7.04
		11.3	76.07	63.84	3.59	63.11	7.94
		12.0	76.65	64.37	3.60	63.75	8.88
		12.8	77.17	64.85	3.61	64.33	9.86
		13.5	77.63	65.28	3.62	64.85	10.89
		14.3	78.05	65.67	3.63	65.33	11.96
		15.0	78.44	66.02	3.64	65.76	13.07
		15.7	78.79	66.34	3.65	66.15	14.23
		16.5	79.11	66.64	3.65	66.51	15.42
		17.3	79.40	66.91	3.66	66.85	16.66
		18.0	79.68	67.16	3.67	67.15	17.94
	85	9.7	82.15	69.43	3.73	69.97	6.00
		10.5	82.94	70.15	3.75	70.88	6.82
		11.3	83.63	70.79	3.77	71.70	7.69
		12.0	84.27	71.37	3.78	72.42	8.60
		12.8	84.85	71.89	3.80	73.06	9.55
		13.5	85.37	72.37	3.81	73.65	10.54
		14.3	85.85	72.80	3.82	74.18	11.58
		15.0	86.28	73.18	3.84	74.66	12.66
		15.7	86.67	73.54	3.85	75.10	13.77
		16.5	87.02	73.86	3.86	75.51	14.93
		17.3	87.35	74.16	3.87	75.88	16.13
		18.0	87.66	74.43	3.88	76.23	17.37
GSK072	25	11.7	48.73	36.21	3.67	17.85	7.80
		12.6	49.10	36.56	3.67	18.30	8.88
		13.5	49.42	36.87	3.68	18.70	10.01
		14.4	49.72	37.15	3.68	19.05	11.19
		15.3	49.97	37.40	3.69	19.36	12.44
		16.2	50.21	37.62	3.69	19.65	13.74
		17.1	50.42	37.82	3.69	19.90	15.09
		18.0	50.62	38.01	3.70	20.14	16.50
		18.9	50.79	38.17	3.70	20.35	17.96
		19.8	50.96	38.33	3.70	20.54	19.48
		20.7	51.11	38.48	3.70	20.72	21.04
		21.6	51.25	38.60	3.71	20.89	22.66
	32	11.7	53.82	41.05	3.74	23.96	7.58
		12.6	54.26	41.46	3.75	24.46	8.62
		13.5	54.64	41.83	3.75	24.91	9.71
		14.4	54.98	42.15	3.76	25.30	10.86
		15.3	55.28	42.44	3.76	25.65	12.07
		16.2	55.56	42.71	3.77	25.97	13.33
		17.1	55.81	42.94	3.77	26.26	14.64
		18.0	56.05	43.17	3.77	26.52	16.01
		18.9	56.24	43.35	3.78	26.76	17.43
		19.8	56.43	43.54	3.78	26.97	18.90
		20.7	56.61	43.70	3.78	27.18	20.42
		21.6	56.77	43.86	3.78	27.36	21.99

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK072	45	11.7	64.23	50.93	3.90	35.83	6.09
		12.6	64.79	51.46	3.91	36.40	6.92
		13.5	65.28	51.93	3.91	36.90	7.80
		14.4	65.72	52.34	3.92	37.35	8.72
		15.3	66.11	52.72	3.92	37.75	9.69
		16.2	66.47	53.06	3.93	38.11	10.70
		17.1	66.79	53.37	3.93	38.43	11.76
		18.0	67.09	53.65	3.94	38.73	12.85
		18.9	67.36	53.90	3.94	39.00	13.99
		19.8	67.60	54.14	3.95	39.25	15.17
		20.7	67.83	54.35	3.95	39.48	16.39
		21.6	68.04	54.55	3.95	39.69	17.65
	55	11.7	72.81	59.08	4.02	44.38	5.85
		12.6	73.51	59.75	4.03	45.03	6.66
		13.5	74.14	60.34	4.04	45.60	7.50
		14.4	74.70	60.87	4.05	46.11	8.39
		15.3	75.20	61.35	4.06	46.57	9.32
		16.2	75.66	61.78	4.07	46.98	10.29
		17.1	76.07	62.17	4.07	47.36	11.30
		18.0	76.45	62.53	4.08	47.70	12.36
		18.9	76.80	62.86	4.09	48.01	13.45
		19.8	77.12	63.16	4.09	48.30	14.58
		20.7	77.41	63.44	4.10	48.56	15.75
		21.6	77.69	63.70	4.10	48.80	16.96
	65	11.7	80.44	66.41	4.11	53.15	5.71
		12.6	81.26	67.19	4.12	53.86	6.49
		13.5	82.00	67.89	4.14	54.49	7.31
		14.4	82.66	68.51	4.15	55.06	8.18
		15.3	83.26	69.07	4.16	55.57	9.08
		16.2	83.79	69.58	4.17	56.02	10.03
		17.1	84.28	70.04	4.17	56.44	11.02
		18.0	84.73	70.46	4.18	56.82	12.04
		18.9	85.14	70.84	4.19	57.16	13.11
		19.8	85.51	71.20	4.19	57.48	14.21
		20.7	85.86	71.53	4.20	57.77	15.35
		21.6	86.18	71.83	4.21	58.04	16.53
	75	11.7	90.26	75.67	4.28	61.44	5.52
		12.6	91.24	76.59	4.29	62.25	6.27
		13.5	92.11	77.40	4.31	62.97	7.07
		14.4	92.90	78.14	4.32	63.61	7.90
		15.3	93.60	78.80	4.34	64.18	8.78
		16.2	94.25	79.41	4.35	64.71	9.69
		17.1	94.83	79.96	4.36	65.18	10.65
		18.0	95.36	80.46	4.37	65.61	11.64
		18.9	95.85	80.91	4.38	66.01	12.67
		19.8	96.30	81.33	4.39	66.37	13.73
		20.7	96.71	81.72	4.39	66.70	14.83
		21.6	97.11	82.10	4.40	67.01	15.97

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK072	85	11.7	100.41	85.19	4.46	69.66	5.34
		12.6	101.56	86.26	4.48	70.57	6.08
		13.5	102.58	87.21	4.51	71.38	6.85
		14.4	103.48	88.05	4.52	72.11	7.65
		15.3	104.31	88.82	4.54	72.76	8.50
		16.2	105.05	89.51	4.55	73.34	9.39
		17.1	105.75	90.16	4.57	73.87	10.31
		18.0	106.34	90.71	4.58	74.36	11.27
		18.9	106.91	91.24	4.59	74.81	12.26
		19.8	107.43	91.72	4.60	75.22	13.30
		20.7	107.90	92.16	4.61	75.60	14.36
		21.6	108.34	92.57	4.62	75.95	15.46
GSK090	25	14.6	55.79	41.26	4.26	18.65	11.51
		15.7	56.18	41.64	4.26	19.05	13.09
		16.9	56.53	41.97	4.27	19.41	14.76
		18.0	56.84	42.27	4.27	19.72	16.51
		19.1	57.12	42.53	4.28	20.00	18.35
		20.2	57.37	42.77	4.28	20.25	20.27
		21.4	57.60	42.99	4.28	20.48	22.27
		22.5	57.80	43.18	4.28	20.69	24.35
		23.6	57.99	43.37	4.29	20.88	26.51
		24.8	58.17	43.53	4.29	21.05	28.75
		25.9	58.33	43.68	4.29	21.21	31.06
		27.0	58.47	43.82	4.29	21.35	33.45
	32	14.6	61.95	47.14	4.34	24.78	11.18
		15.7	62.42	47.59	4.35	25.24	12.71
		16.9	62.84	47.99	4.35	25.64	14.33
		18.0	63.21	48.34	4.36	25.99	16.03
		19.1	63.54	48.66	4.36	26.31	17.81
		20.2	63.84	48.95	4.37	26.59	19.67
		21.4	64.12	49.21	4.37	26.85	21.61
		22.5	64.37	49.45	4.37	27.09	23.63
		23.6	64.59	49.67	4.38	27.30	25.72
		24.8	64.80	49.86	4.38	27.50	27.89
		25.9	65.00	50.05	4.38	27.68	30.13
		27.0	65.19	50.23	4.38	27.84	32.45
	45	14.6	79.21	63.56	4.59	36.11	8.99
		15.7	79.89	64.20	4.60	36.66	10.22
		16.9	80.49	64.77	4.61	37.15	11.52
		18.0	81.02	65.27	4.61	37.58	12.88
		19.1	81.49	65.72	4.62	37.97	14.31
		20.2	81.92	66.13	4.63	38.32	15.81
		21.4	82.31	66.50	4.63	38.63	17.37
		22.5	82.67	66.84	4.64	38.92	18.98
		23.6	82.99	67.15	4.64	39.18	20.66
		24.8	83.29	67.43	4.65	39.42	22.41
		25.9	83.57	67.69	4.65	39.65	24.21
		27.0	83.82	67.94	4.66	39.85	26.07

Heating Capacities

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK090	55	14.6	89.87	73.67	4.75	44.67	8.64
		15.7	90.67	74.43	4.76	45.31	9.83
		16.9	91.39	75.11	4.77	45.87	11.08
		18.0	92.03	75.71	4.78	46.37	12.39
		19.1	92.60	76.25	4.79	46.82	13.76
		20.2	93.11	76.74	4.80	47.23	15.20
		21.4	93.58	77.18	4.81	47.59	16.70
		22.5	94.00	77.58	4.81	47.93	18.25
		23.6	94.39	77.95	4.82	48.23	19.87
		24.8	94.75	78.29	4.82	48.51	21.54
		25.9	95.07	78.59	4.83	48.77	23.27
		27.0	95.38	78.88	4.83	49.01	25.06
	65	14.6	97.98	81.42	4.85	53.62	8.42
		15.7	98.91	82.30	4.87	54.31	9.58
		16.9	99.74	83.08	4.88	54.93	10.79
		18.0	100.47	83.77	4.89	55.47	12.07
		19.1	101.13	84.40	4.90	55.97	13.41
		20.2	101.73	84.96	4.91	56.41	14.81
		21.4	102.27	85.47	4.92	56.81	16.27
		22.5	102.77	85.94	4.93	57.17	17.78
		23.6	103.22	86.36	4.94	57.51	19.36
		24.8	103.63	86.76	4.95	57.82	20.99
		25.9	104.02	87.12	4.95	58.10	22.67
		27.0	104.37	87.45	4.96	58.36	24.41
	75	14.6	109.41	92.18	5.05	62.03	8.14
		15.7	110.50	93.21	5.07	62.82	9.26
		16.9	111.53	94.17	5.09	63.51	10.43
		18.0	112.44	95.02	5.11	64.13	11.67
		19.1	113.26	95.79	5.12	64.68	12.96
		20.2	114.01	96.48	5.14	65.18	14.31
		21.4	114.69	97.11	5.15	65.64	15.72
		22.5	115.30	97.68	5.16	66.05	17.18
		23.6	115.87	98.21	5.18	66.43	18.70
		24.8	116.39	98.69	5.19	66.78	20.28
		25.9	116.87	99.14	5.20	67.10	21.90
		27.0	117.31	99.55	5.20	67.40	23.58
	85	14.6	121.82	103.73	5.30	70.33	7.89
		15.7	123.14	104.96	5.33	71.21	8.97
		16.9	124.32	106.05	5.35	71.99	10.11
		18.0	125.37	107.02	5.38	72.69	11.30
		19.1	126.32	107.90	5.40	73.32	12.55
		20.2	127.17	108.69	5.42	73.88	13.86
		21.4	127.95	109.40	5.44	74.40	15.22
		22.5	128.65	110.05	5.45	74.86	16.64
		23.6	129.30	110.65	5.47	75.29	18.11
		24.8	129.89	111.20	5.48	75.69	19.63
		25.9	130.44	111.70	5.49	76.05	21.21
		27.0	130.95	112.17	5.50	76.39	22.84

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK102	25	16.6	64.60	47.29	5.07	17.66	14.54
		17.8	65.14	47.79	5.08	18.11	16.54
		19.1	65.61	48.23	5.09	18.52	18.64
		20.4	66.03	48.63	5.10	18.88	20.86
		21.7	66.41	48.98	5.11	19.20	23.18
		23.0	66.76	49.30	5.12	19.49	25.60
		24.2	67.07	49.59	5.12	19.75	28.12
		25.5	67.35	49.85	5.13	19.99	30.75
		26.8	67.61	50.09	5.13	20.21	33.47
		28.1	67.85	50.32	5.14	20.40	36.29
		29.3	68.07	50.52	5.14	20.59	39.21
		30.6	68.27	50.71	5.15	20.76	42.23
	32	16.6	71.82	54.01	5.22	23.70	14.12
		17.8	72.46	54.60	5.23	24.22	16.06
		19.1	73.02	55.13	5.24	24.67	18.10
		20.4	73.53	55.60	5.25	25.07	20.25
		21.7	73.98	56.02	5.26	25.43	22.50
		23.0	74.40	56.41	5.27	25.76	24.84
		24.2	74.77	56.75	5.28	26.05	27.29
		25.5	75.11	57.07	5.29	26.32	29.84
		26.8	75.42	57.36	5.29	26.56	32.48
		28.1	75.71	57.63	5.30	26.79	35.21
		29.3	75.98	57.88	5.30	27.00	38.05
		30.6	76.22	58.10	5.31	27.19	40.97
	45	16.6	91.53	72.46	5.59	34.87	11.98
		17.8	92.44	73.31	5.61	35.49	13.62
		19.1	93.26	74.07	5.62	36.03	15.35
		20.4	93.99	74.74	5.64	36.52	17.17
		21.7	94.64	75.35	5.65	36.96	19.07
		23.0	95.24	75.91	5.67	37.35	21.06
		24.2	95.78	76.40	5.68	37.70	23.13
		25.5	96.28	76.87	5.69	38.03	25.29
		26.8	96.73	77.29	5.70	38.32	27.52
		28.1	97.15	77.68	5.71	38.60	29.84
		29.3	97.53	78.03	5.72	38.85	32.24
		30.6	97.89	78.36	5.72	39.08	34.71
	55	16.6	104.42	84.41	5.87	43.23	11.53
		17.8	105.56	85.46	5.89	43.93	13.10
		19.1	106.59	86.41	5.91	44.56	14.77
		20.4	107.49	87.25	5.93	45.12	16.51
		21.7	108.31	88.00	5.95	45.62	18.34
		23.0	109.06	88.70	5.97	46.07	20.25
		24.2	109.73	89.32	5.98	46.48	22.24
		25.5	110.36	89.90	6.00	46.85	24.32
		26.8	110.93	90.43	6.01	47.20	26.46
		28.1	111.46	90.91	6.02	47.51	28.69
		29.3	111.94	91.36	6.03	47.80	30.99
		30.6	112.39	91.77	6.04	48.07	33.37

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK102	65	16.6	113.51	93.05	6.00	52.08	11.10
		17.8	114.83	94.27	6.03	52.84	12.62
		19.1	116.01	95.36	6.05	53.52	14.22
		20.4	117.09	96.36	6.08	54.12	15.90
		21.7	118.02	97.22	6.10	54.67	17.66
		23.0	118.88	98.02	6.12	55.16	19.50
		24.2	119.67	98.74	6.13	55.61	21.42
		25.5	120.39	99.41	6.15	56.02	23.41
		26.8	121.05	100.02	6.16	56.39	25.48
		28.1	121.66	100.58	6.18	56.74	27.63
		29.3	122.23	101.11	6.19	57.05	29.84
		30.6	122.76	101.60	6.20	57.35	32.13
	75	16.6	127.91	106.35	6.32	60.18	10.73
		17.8	129.51	107.83	6.35	61.05	12.20
		19.1	130.95	109.15	6.39	61.81	13.75
		20.4	132.24	110.34	6.42	62.50	15.37
		21.7	133.40	111.42	6.44	63.12	17.07
		23.0	134.48	112.41	6.47	63.68	18.85
		24.2	135.43	113.29	6.49	64.19	20.70
		25.5	136.32	114.11	6.51	64.65	22.63
		26.8	137.14	114.86	6.53	65.08	24.63
		28.1	137.89	115.55	6.55	65.47	26.70
		29.3	138.59	116.20	6.56	65.83	28.84
		30.6	139.24	116.79	6.58	66.17	31.05
	85	16.6	143.13	120.37	6.67	68.16	10.40
		17.8	145.04	122.13	6.71	69.13	11.82
		19.1	146.76	123.71	6.76	70.00	13.32
		20.4	148.31	125.14	6.79	70.77	14.89
		21.7	149.72	126.43	6.83	71.46	16.54
		23.0	151.01	127.61	6.86	72.09	18.26
		24.2	152.20	128.71	6.88	72.67	20.06
		25.5	153.25	129.67	6.91	73.19	21.92
		26.8	154.24	130.58	6.93	73.68	23.86
		28.1	155.14	131.41	6.96	74.12	25.86
		29.3	155.99	132.18	6.98	74.53	27.93
		30.6	156.77	132.91	7.00	74.91	30.07
GSK120	25	19.5	74.74	56.77	5.27	17.90	19.32
		21.0	75.32	57.31	5.28	18.35	21.97
		22.5	75.83	57.79	5.29	18.75	24.77
		24.0	76.28	58.22	5.30	19.10	27.71
		25.5	76.70	58.60	5.30	19.41	30.79
		27.0	77.06	58.94	5.31	19.69	34.00
		28.5	77.40	59.26	5.32	19.94	37.36
		30.0	77.71	59.55	5.32	20.17	40.84
		31.5	77.98	59.80	5.33	20.38	44.46
		33.0	78.24	60.04	5.33	20.58	48.21
		34.5	78.47	60.26	5.34	20.76	52.09
		36.0	78.69	60.46	5.34	20.92	56.10

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK120	32	19.5	82.78	64.28	5.42	24.02	18.76
		21.0	83.45	64.91	5.43	24.52	21.33
		22.5	84.04	65.47	5.44	24.96	24.04
		24.0	84.57	65.96	5.45	25.35	26.89
		25.5	85.05	66.41	5.46	25.70	29.88
		27.0	85.48	66.81	5.47	26.02	33.00
		28.5	85.87	67.17	5.48	26.30	36.25
		30.0	86.22	67.50	5.49	26.56	39.63
		31.5	86.54	67.80	5.49	26.80	43.14
		33.0	86.84	68.08	5.50	27.01	46.78
		34.5	87.11	68.34	5.50	27.21	50.54
		36.0	87.36	68.57	5.51	27.40	54.42
	45	19.5	106.00	86.13	5.83	35.28	15.91
		21.0	106.94	87.01	5.84	35.88	18.09
		22.5	107.77	87.78	5.86	36.41	20.38
		24.0	108.49	88.46	5.87	36.88	22.80
		25.5	109.16	89.09	5.88	37.30	25.33
		27.0	109.74	89.64	5.89	37.69	27.97
		28.5	110.28	90.14	5.90	38.03	30.72
		30.0	110.76	90.59	5.91	38.35	33.58
		31.5	111.18	90.99	5.92	38.63	36.55
		33.0	111.57	91.35	5.92	38.90	39.63
		34.5	111.92	91.68	5.93	39.14	42.81
		36.0	112.23	91.98	5.94	39.37	46.10
	55	19.5	119.70	98.98	6.07	43.79	15.30
		21.0	120.81	100.02	6.09	44.48	17.39
		22.5	121.79	100.94	6.11	45.09	19.60
		24.0	122.65	101.75	6.12	45.63	21.92
		25.5	123.42	102.48	6.14	46.12	24.35
		27.0	124.11	103.13	6.15	46.55	26.89
		28.5	124.73	103.71	6.16	46.95	29.53
		30.0	125.29	104.24	6.17	47.31	32.28
		31.5	125.78	104.70	6.18	47.64	35.14
		33.0	126.22	105.11	6.19	47.95	38.10
		34.5	126.61	105.48	6.19	48.23	41.16
		36.0	126.97	105.82	6.20	48.49	44.31
	65	19.5	131.23	110.02	6.22	52.63	14.74
		21.0	132.56	111.27	6.24	53.38	16.75
		22.5	133.74	112.39	6.26	54.04	18.88
		24.0	134.78	113.36	6.28	54.63	21.11
		25.5	135.72	114.25	6.29	55.16	23.45
		27.0	136.57	115.05	6.31	55.64	25.89
		28.5	137.36	115.79	6.32	56.07	28.44
		30.0	138.06	116.46	6.33	56.47	31.09
		31.5	138.70	117.06	6.34	56.83	33.84
		33.0	139.30	117.62	6.35	57.16	36.68
		34.5	139.85	118.14	6.36	57.46	39.63
		36.0	140.35	118.62	6.37	57.75	42.67

Heating Capacities

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK120	75	19.5	146.13	124.07	6.47	60.94	14.24
		21.0	147.66	125.51	6.49	61.79	16.19
		22.5	149.05	126.83	6.51	62.53	18.25
		24.0	150.23	127.94	6.53	63.20	20.40
		25.5	151.29	128.95	6.55	63.80	22.66
		27.0	152.28	129.88	6.56	64.34	25.02
		28.5	153.23	130.78	6.58	64.83	27.48
		30.0	154.11	131.61	6.60	65.28	30.04
		31.5	154.91	132.35	6.61	65.68	32.69
		33.0	155.64	133.05	6.62	66.06	35.44
		34.5	156.33	133.69	6.63	66.41	38.29
		36.0	156.96	134.28	6.65	66.73	41.23
	85	19.5	161.90	138.93	6.73	69.16	13.80
		21.0	163.77	140.69	6.76	70.11	15.69
		22.5	165.45	142.28	6.79	70.94	17.68
		24.0	166.96	143.70	6.82	71.68	19.76
		25.5	168.29	144.95	6.84	72.35	21.95
		27.0	169.49	146.08	6.86	72.96	24.24
		28.5	170.59	147.12	6.88	73.51	26.62
		30.0	171.60	148.07	6.90	74.01	29.09
		31.5	172.51	148.94	6.91	74.47	31.66
		33.0	173.36	149.73	6.92	74.89	34.32
		34.5	174.13	150.46	6.94	75.29	37.08
		36.0	174.85	151.14	6.95	75.65	39.92
GSK150	25	25.2	104.47	79.00	7.47	18.24	7.64
		27.1	105.13	79.62	7.48	18.68	8.68
		29.1	105.75	80.19	7.49	19.05	9.79
		31.0	106.30	80.70	7.50	19.39	10.95
		32.9	106.78	81.15	7.51	19.69	12.17
		34.9	107.22	81.56	7.52	19.96	13.44
		36.8	107.62	81.93	7.53	20.20	14.76
		38.8	107.98	82.26	7.54	20.42	16.14
		40.7	108.31	82.57	7.55	20.62	17.57
		42.6	108.62	82.85	7.55	20.81	19.05
		44.6	108.89	83.10	7.56	20.98	20.58
		46.5	109.15	83.34	7.56	21.13	22.17
	32	25.2	115.07	88.83	7.69	24.40	7.41
		27.1	115.89	89.59	7.71	24.88	8.43
		29.1	116.59	90.25	7.72	25.30	9.50
		31.0	117.21	90.82	7.73	25.68	10.63
		32.9	117.77	91.34	7.75	26.02	11.81
		34.9	118.27	91.81	7.76	26.32	13.04
		36.8	118.72	92.23	7.76	26.59	14.32
		38.8	119.13	92.61	7.77	26.84	15.66
		40.7	119.51	92.96	7.78	27.07	17.04
		42.6	119.86	93.28	7.79	27.28	18.48
		44.6	120.17	93.57	7.80	27.47	19.96
		46.5	120.46	93.85	7.80	27.64	21.50

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK150	45	25.2	139.50	111.70	8.15	36.11	5.89
		27.1	140.65	112.76	8.17	36.67	6.70
		29.1	141.65	113.70	8.19	37.16	7.55
		31.0	142.56	114.54	8.21	37.59	8.44
		33.0	143.37	115.30	8.23	37.98	9.38
		34.9	144.10	115.97	8.24	38.33	10.36
		36.8	144.76	116.59	8.26	38.65	11.38
		38.8	145.35	117.14	8.27	38.93	12.43
		40.7	145.90	117.66	8.28	39.19	13.53
		42.6	146.41	118.13	8.29	39.43	14.67
		44.6	146.88	118.56	8.30	39.66	15.85
		46.5	147.31	118.97	8.31	39.86	17.07
	55	25.2	157.56	128.51	8.51	44.72	5.66
		27.1	158.93	129.79	8.54	45.35	6.44
		29.1	160.15	130.92	8.57	45.92	7.26
		31.0	161.24	131.93	8.59	46.42	8.12
		33.0	162.21	132.84	8.61	46.86	9.02
		34.9	163.09	133.66	8.63	47.27	9.96
		36.8	163.89	134.40	8.64	47.63	10.94
		38.8	164.60	135.06	8.66	47.96	11.95
		40.7	165.26	135.68	8.67	48.26	13.01
		42.6	165.87	136.24	8.68	48.54	14.10
		44.6	166.43	136.77	8.69	48.80	15.24
		46.5	166.95	137.25	8.70	49.03	16.40
	65	25.2	173.65	143.68	8.78	53.50	5.48
		27.1	175.30	145.22	8.82	54.20	6.23
		29.1	176.76	146.58	8.85	54.82	7.02
		31.0	178.07	147.80	8.87	55.37	7.86
		33.0	179.25	148.90	8.89	55.87	8.73
		34.9	180.31	149.89	8.92	56.32	9.64
		36.8	181.27	150.79	8.94	56.72	10.59
		38.8	182.14	151.60	8.95	57.08	11.56
		40.7	182.95	152.35	8.97	57.42	12.58
		42.6	183.69	153.04	8.98	57.73	13.64
		44.6	184.38	153.68	9.00	58.02	14.74
		46.5	185.01	154.27	9.01	58.28	15.87
	75	25.2	193.58	162.26	9.18	61.90	5.30
		27.1	195.50	164.04	9.22	62.70	6.02
		29.1	197.20	165.63	9.25	63.40	6.79
		31.0	198.72	167.04	9.28	64.03	7.59
		33.0	200.08	168.31	9.31	64.59	8.43
		34.9	201.37	169.52	9.34	65.10	9.31
		36.8	202.50	170.57	9.36	65.56	10.23
		38.8	203.48	171.48	9.38	65.97	11.17
		40.7	204.38	172.31	9.40	66.36	12.16
		42.6	205.23	173.11	9.42	66.71	13.18
		44.6	206.02	173.85	9.43	67.03	14.24
		46.5	206.74	174.51	9.45	67.33	15.33

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK150	85	25.2	213.78	181.05	9.59	70.27	5.13
		27.1	215.93	183.06	9.64	71.17	5.83
		29.1	217.85	184.84	9.67	71.96	6.57
		31.0	219.55	186.42	9.71	72.66	7.35
		33.0	221.08	187.84	9.74	73.29	8.17
		34.9	222.45	189.12	9.77	73.87	9.02
		36.8	223.70	190.27	9.80	74.38	9.91
		38.8	224.82	191.31	9.82	74.85	10.81
		40.7	225.86	192.28	9.84	75.28	11.77
		42.6	226.82	193.17	9.86	75.68	12.76
		44.6	227.75	194.03	9.88	76.04	13.79
		46.5	228.62	194.83	9.90	76.38	14.84
GSK180	25	30.2	122.20	92.58	8.68	18.41	10.48
		32.5	123.01	93.32	8.70	18.83	11.92
		34.9	123.71	93.98	8.72	19.20	13.44
		37.2	124.34	94.56	8.73	19.53	15.04
		39.5	124.90	95.08	8.74	19.82	16.72
		41.8	125.40	95.54	8.75	20.09	18.47
		44.2	125.85	95.96	8.76	20.32	20.30
		46.5	126.26	96.34	8.77	20.54	22.19
		48.8	126.64	96.69	8.78	20.74	24.17
		51.2	126.98	97.01	8.78	20.92	26.21
		53.5	127.29	97.30	8.79	21.08	28.32
		55.8	127.58	97.57	8.80	21.24	30.49
	32	30.2	134.92	104.40	8.94	24.56	10.17
		32.5	135.84	105.26	8.96	25.03	11.57
		34.9	136.66	106.02	8.98	25.45	13.05
		37.2	137.38	106.69	8.99	25.82	14.60
		39.5	138.02	107.29	9.01	26.15	16.23
		41.8	138.59	107.83	9.02	26.45	17.92
		44.2	139.11	108.31	9.03	26.72	19.69
		46.5	139.58	108.75	9.04	26.96	21.53
		48.8	140.01	109.15	9.04	27.19	23.44
		51.2	140.40	109.51	9.05	27.39	25.42
		53.5	140.76	109.85	9.06	27.58	27.47
		55.8	141.08	110.15	9.06	27.75	29.57
	45	30.2	164.98	132.60	9.49	36.19	8.08
		32.5	166.32	133.86	9.51	36.74	9.19
		34.9	167.51	134.98	9.53	37.23	10.37
		37.2	168.57	135.97	9.55	37.66	11.60
		39.5	169.52	136.86	9.57	38.05	12.89
		41.9	170.37	137.66	9.59	38.39	14.24
		44.2	171.14	138.38	9.60	38.71	15.64
		46.5	171.85	139.05	9.61	38.99	17.10
		48.8	172.50	139.65	9.63	39.25	18.61
		51.2	173.09	140.21	9.64	39.49	20.19
		53.5	173.63	140.71	9.65	39.71	21.81
		55.8	174.13	141.18	9.66	39.91	23.48

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK180	55	30.2	186.35	152.64	9.88	44.81	7.77
		32.5	187.95	154.13	9.91	45.44	8.84
		34.9	189.35	155.46	9.94	46.00	9.97
		37.2	190.61	156.63	9.96	46.50	11.15
		39.5	191.74	157.69	9.98	46.95	12.39
		41.9	192.76	158.64	10.00	47.35	13.69
		44.2	193.67	159.50	10.02	47.71	15.04
		46.5	194.51	160.29	10.03	48.04	16.44
		48.8	195.27	161.00	10.05	48.34	17.89
		51.2	195.97	161.65	10.06	48.62	19.40
		53.5	196.61	162.25	10.07	48.87	20.97
		55.8	197.21	162.82	10.08	49.11	22.57
	65	30.2	205.37	170.63	10.18	53.62	7.52
		32.5	207.29	172.43	10.22	54.32	8.55
		34.9	208.97	174.00	10.25	54.94	9.64
		37.2	210.48	175.42	10.28	55.49	10.79
		39.5	211.83	176.68	10.30	55.98	11.99
		41.9	213.06	177.83	10.33	56.42	13.24
		44.2	214.17	178.87	10.35	56.83	14.55
		46.5	215.18	179.81	10.36	57.19	15.90
		48.8	216.11	180.68	10.38	57.53	17.31
		51.2	216.96	181.48	10.40	57.83	18.77
		53.5	217.74	182.21	10.41	58.12	20.28
		55.8	218.46	182.88	10.43	58.38	21.83
	75	30.2	228.68	192.43	10.62	62.07	7.27
		32.5	230.88	194.48	10.67	62.86	8.27
		34.9	232.85	196.32	10.71	63.56	9.32
		37.2	234.57	197.92	10.74	64.18	10.43
		39.5	236.12	199.37	10.77	64.74	11.58
		41.9	237.53	200.68	10.80	65.25	12.79
		44.2	238.79	201.86	10.83	65.70	14.06
		46.5	239.95	202.93	10.85	66.12	15.36
		48.8	241.00	203.91	10.87	66.50	16.72
		51.2	241.98	204.82	10.89	66.85	18.13
		53.5	242.89	205.67	10.91	67.17	19.59
		55.8	243.71	206.43	10.93	67.46	21.08
	85	30.2	252.14	214.25	11.10	70.49	7.04
		32.5	254.60	216.53	11.16	71.38	8.01
		34.9	256.78	218.55	11.21	72.17	9.03
		37.2	258.71	220.33	11.25	72.87	10.10
		39.5	260.45	221.93	11.29	73.49	11.22
		41.9	262.11	223.46	11.33	74.06	12.39
		44.2	263.63	224.87	11.36	74.57	13.61
		46.5	265.02	226.14	11.39	75.03	14.87
		48.8	266.29	227.31	11.42	75.45	16.19
		51.2	267.46	228.38	11.45	75.84	17.55
		53.5	268.54	229.37	11.48	76.20	18.97
		55.8	269.52	230.27	11.50	76.53	20.41

Heating Capacities

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK210	25	35.3	125.58	92.13	9.80	19.39	13.74
		38.0	126.17	92.69	9.81	19.75	15.62
		40.7	126.72	93.19	9.83	20.08	17.61
		43.4	127.20	93.64	9.84	20.36	19.70
		46.1	127.62	94.03	9.84	20.61	21.88
		48.8	128.00	94.38	9.85	20.84	24.17
		51.5	128.34	94.70	9.86	21.05	26.55
		54.3	128.65	94.99	9.87	21.23	29.02
		57.0	128.93	95.24	9.87	21.40	31.59
		59.7	129.19	95.48	9.88	21.56	34.26
		62.4	129.42	95.70	9.88	21.70	37.01
		65.1	130.48	96.68	9.91	21.80	39.88
	32	35.3	138.02	103.67	10.07	25.68	13.33
		38.0	138.74	104.34	10.08	26.09	15.16
		40.7	139.37	104.92	10.10	26.46	17.09
		43.4	139.92	105.43	10.11	26.78	19.11
		46.1	140.41	105.89	10.12	27.06	21.23
		48.8	140.85	106.29	10.13	27.32	23.44
		51.5	141.24	106.66	10.14	27.55	25.75
		54.3	141.59	106.99	10.14	27.76	28.15
		57.0	141.91	107.29	10.15	27.95	30.64
		59.7	142.21	107.56	10.16	28.12	33.22
		62.4	142.48	107.81	10.16	28.28	35.89
		65.1	142.72	108.04	10.17	28.43	38.67
	45	35.3	170.39	133.85	10.71	37.40	10.59
		38.0	171.54	134.92	10.73	37.88	12.04
		40.7	172.56	135.87	10.75	38.31	13.57
		43.4	173.46	136.71	10.77	38.68	15.18
		46.1	174.26	137.46	10.78	39.02	16.86
		48.8	174.98	138.14	10.80	39.32	18.62
		51.5	175.63	138.74	10.81	39.60	20.45
		54.3	176.24	139.31	10.82	39.85	22.35
		57.0	176.77	139.81	10.83	40.07	24.33
		59.7	177.26	140.27	10.84	40.28	26.38
		62.4	177.71	140.69	10.85	40.47	28.49
		65.1	178.14	141.09	10.86	40.65	30.70
	55	35.3	192.04	154.10	11.12	46.20	10.19
		38.0	193.40	155.38	11.15	46.76	11.58
		40.7	194.59	156.49	11.17	47.25	13.05
		43.4	195.66	157.50	11.19	47.68	14.59
		46.1	196.61	158.39	11.20	48.07	16.21
		48.8	197.45	159.18	11.22	48.42	17.89
		51.5	198.22	159.89	11.23	48.74	19.65
		54.3	198.90	160.54	11.24	49.03	21.48
		57.0	199.53	161.13	11.26	49.29	23.38
		59.7	200.11	161.67	11.27	49.53	25.35
		62.4	200.64	162.17	11.28	49.75	27.38
		65.1	201.13	162.63	11.28	49.95	29.50

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK210	65	35.3	212.60	173.48	11.47	55.11	9.85
		38.0	214.29	175.07	11.50	55.72	11.20
		40.7	215.78	176.47	11.52	56.26	12.62
		43.4	217.11	177.72	11.54	56.75	14.11
		46.1	218.30	178.84	11.56	57.18	15.68
		48.8	219.39	179.87	11.58	57.57	17.31
		51.5	220.35	180.77	11.60	57.92	19.01
		54.3	221.24	181.61	11.61	58.24	20.78
		57.0	222.04	182.37	11.63	58.53	22.62
		59.7	222.78	183.06	11.64	58.80	24.52
		62.4	223.46	183.70	11.65	59.05	26.49
		65.1	224.09	184.30	11.66	59.28	28.54
	75	35.3	236.54	196.03	11.87	63.72	9.52
		38.0	238.48	197.87	11.90	64.42	10.83
		40.7	240.20	199.49	11.93	65.04	12.20
		43.4	241.73	200.94	11.96	65.59	13.64
		46.1	243.10	202.23	11.98	66.08	15.15
		48.8	244.32	203.38	12.00	66.52	16.72
		51.5	245.42	204.42	12.02	66.92	18.37
		54.3	246.41	205.36	12.03	67.29	20.08
		57.0	247.31	206.21	12.05	67.62	21.85
		59.7	248.14	207.00	12.06	67.93	23.69
		62.4	248.90	207.72	12.07	68.21	25.59
		65.1	249.61	208.39	12.08	68.47	27.56
	85	35.3	260.25	218.45	12.25	72.32	9.22
		38.0	262.34	220.43	12.28	73.11	10.48
		40.7	264.17	222.16	12.31	73.81	11.81
		43.4	265.88	223.78	12.34	74.42	13.21
		46.1	267.46	225.27	12.37	74.98	14.67
		48.8	268.87	226.60	12.39	75.47	16.19
		51.5	270.15	227.80	12.41	75.92	17.78
		54.3	271.31	228.90	12.43	76.33	19.44
		57.0	272.36	229.90	12.45	76.71	21.15
		59.7	273.33	230.81	12.46	77.05	22.93
		62.4	274.22	231.65	12.48	77.37	24.77
		65.1	275.04	232.42	12.49	77.66	26.68
GSK240	25	40.3	164.52	123.13	12.13	18.17	10.03
		43.4	165.57	124.10	12.16	18.61	11.40
		46.5	166.49	124.95	12.17	18.99	12.85
		49.6	167.31	125.71	12.19	19.33	14.37
		52.7	168.04	126.39	12.21	19.64	15.96
		55.8	168.69	126.99	12.22	19.91	17.62
		58.9	169.28	127.54	12.23	20.16	19.36
		62.0	169.82	128.04	12.24	20.38	21.16
		65.1	170.30	128.49	12.26	20.59	23.03
		68.2	170.75	128.90	12.26	20.77	24.97
		71.3	171.16	129.28	12.27	20.94	26.97
		74.4	171.54	129.63	12.28	21.10	29.04

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK240	32	40.3	181.00	138.41	12.48	24.31	9.62
		43.4	182.22	139.55	12.51	24.80	10.94
		46.5	183.29	140.54	12.53	25.23	12.32
		49.6	184.23	141.42	12.55	25.62	13.78
		52.7	185.08	142.21	12.56	25.96	15.31
		55.8	185.83	142.91	12.58	26.26	16.90
		58.9	186.52	143.54	12.59	26.54	18.57
		62.0	187.13	144.12	12.61	26.79	20.30
		65.1	187.70	144.64	12.62	27.02	22.09
		68.2	188.21	145.12	12.63	27.23	23.95
		71.3	188.69	145.56	12.64	27.43	25.87
		74.4	189.12	145.97	12.65	27.60	27.86
	45	40.3	221.44	176.12	13.28	36.24	7.51
		43.4	223.19	177.76	13.32	36.79	8.54
		46.5	224.72	179.19	13.35	37.27	9.63
		49.6	226.14	180.51	13.37	37.70	10.77
		52.7	227.35	181.64	13.40	38.09	11.96
		55.8	228.46	182.67	13.42	38.43	13.21
		58.9	229.45	183.60	13.44	38.74	14.51
		62.0	230.36	184.45	13.46	39.03	15.87
		65.1	231.21	185.24	13.47	39.29	17.27
		68.2	231.97	185.95	13.49	39.53	18.73
		71.3	232.67	186.60	13.50	39.74	20.23
		74.4	233.32	187.21	13.52	39.95	21.79
	55	40.3	250.28	203.02	13.85	44.85	7.22
		43.4	252.38	204.98	13.89	45.48	8.21
		46.5	254.22	206.69	13.93	46.04	9.26
		49.6	255.87	208.23	13.96	46.53	10.35
		52.7	257.35	209.60	13.99	46.98	11.50
		55.8	258.65	210.82	14.02	47.37	12.70
		58.9	259.88	211.97	14.04	47.74	13.95
		62.0	260.95	212.97	14.06	48.07	15.25
		65.1	261.94	213.89	14.08	48.37	16.60
		68.2	262.84	214.73	14.10	48.64	18.00
		71.3	263.68	215.51	14.12	48.89	19.45
		74.4	264.44	216.22	14.13	49.13	20.94
	65	40.3	275.46	226.69	14.29	53.67	7.02
		43.4	278.01	229.07	14.34	54.37	7.98
		46.5	280.26	231.17	14.39	54.98	8.99
		49.6	282.24	233.02	14.42	55.53	10.06
		52.7	284.03	234.70	14.46	56.02	11.17
		55.8	285.64	236.20	14.49	56.46	12.34
		58.9	287.10	237.57	14.52	56.86	13.55
		62.0	288.43	238.81	14.54	57.22	14.82
		65.1	289.64	239.94	14.57	57.56	16.13
		68.2	290.75	240.97	14.59	57.86	17.49
		71.3	291.77	241.93	14.61	58.14	18.89
		74.4	292.71	242.80	14.63	58.40	20.34

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK240	75	40.3	307.60	256.68	14.92	62.07	6.78
		43.4	310.53	259.41	14.98	62.86	7.71
		46.5	313.12	261.83	15.03	63.56	8.69
		49.6	315.43	263.98	15.08	64.18	9.72
		52.7	317.51	265.92	15.12	64.74	10.80
		55.8	319.37	267.65	15.16	65.24	11.92
		58.9	321.05	269.21	15.19	65.70	13.10
		62.0	322.56	270.63	15.22	66.11	14.32
		65.1	323.95	271.92	15.25	66.49	15.58
		68.2	325.22	273.10	15.27	66.84	16.89
		71.3	326.36	274.17	15.30	67.16	18.25
		74.4	327.43	275.17	15.32	67.46	19.65
	85	40.3	340.09	286.92	15.58	70.43	6.57
		43.4	343.35	289.95	15.65	71.32	7.47
		46.5	346.27	292.67	15.71	72.11	8.42
		49.6	348.83	295.05	15.76	72.81	9.41
		52.7	351.20	297.25	15.81	73.44	10.46
		55.8	353.45	299.33	15.86	74.00	11.55
		58.9	355.52	301.24	15.91	74.51	12.68
		62.0	357.37	302.95	15.95	74.97	13.86
		65.1	359.03	304.49	15.98	75.40	15.09
		68.2	360.57	305.91	16.02	75.79	16.36
		71.3	361.93	307.18	16.05	76.15	17.67
		74.4	363.19	308.33	16.08	76.49	19.03
GSK300	25	50.4	181.80	135.77	13.49	19.08	14.31
		54.3	182.69	136.60	13.51	19.47	16.27
		58.1	183.46	137.32	13.52	19.82	18.34
		62.0	184.13	137.95	13.53	20.12	20.52
		65.9	184.73	138.51	13.55	20.39	22.80
		69.8	185.25	139.00	13.56	20.63	25.18
		73.6	185.72	139.44	13.56	20.84	27.67
		77.5	186.14	139.83	13.57	21.04	30.25
		81.4	186.52	140.19	13.58	21.22	32.93
		85.2	186.87	140.51	13.59	21.38	35.71
		89.1	187.18	140.80	13.59	21.53	38.58
		93.0	187.47	141.07	13.60	21.67	41.56
	32	50.4	201.21	153.89	13.87	25.32	13.89
		54.3	202.21	154.83	13.89	25.76	15.79
		58.1	203.08	155.63	13.91	26.15	17.80
		62.0	203.83	156.33	13.92	26.49	19.91
		65.9	204.49	156.95	13.93	26.79	22.12
		69.8	205.08	157.49	13.95	27.06	24.43
		73.6	205.60	157.98	13.96	27.31	26.84
		77.5	206.07	158.41	13.97	27.53	29.34
		81.4	206.49	158.81	13.98	27.73	31.94
		85.2	206.87	159.16	13.98	27.92	34.63
		89.1	207.22	159.48	13.99	28.09	37.42
		93.0	207.54	159.78	14.00	28.24	40.30

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK300	45	50.4	253.16	202.20	14.94	36.82	11.19
		54.3	254.75	203.67	14.97	37.35	12.72
		58.1	256.14	204.95	15.00	37.82	14.33
		62.0	257.31	206.04	15.03	38.23	16.03
		65.9	258.35	207.00	15.05	38.60	17.81
		69.8	259.27	207.85	15.07	38.93	19.67
		73.6	260.08	208.61	15.09	39.23	21.60
		77.5	260.80	209.27	15.10	39.50	23.61
		81.4	261.45	209.87	15.12	39.74	25.70
		85.2	262.02	210.40	15.13	39.97	27.87
		89.1	262.54	210.88	15.14	40.18	30.11
		93.0	263.02	211.32	15.15	40.37	32.43
	55	50.4	285.72	232.23	15.68	45.60	10.76
		54.3	287.58	233.95	15.72	46.21	12.23
		58.1	289.18	235.42	15.76	46.74	13.78
		62.0	290.57	236.70	15.79	47.21	15.41
		65.9	291.77	237.81	15.82	47.64	17.12
		69.8	292.82	238.77	15.84	48.02	18.90
		73.6	293.76	239.64	15.86	48.36	20.76
		77.5	294.58	240.40	15.88	48.67	22.70
		81.4	295.31	241.07	15.90	48.96	24.70
		85.2	295.97	241.68	15.91	49.21	26.78
		89.1	296.56	242.22	15.93	49.45	28.93
		93.0	297.09	242.71	15.94	49.67	31.16
	65	50.4	315.91	260.39	16.27	54.47	10.37
		54.3	318.48	262.76	16.33	55.14	11.78
		58.1	320.71	264.83	16.38	55.72	13.28
		62.0	322.71	266.67	16.42	56.23	14.85
		65.9	324.49	268.32	16.46	56.70	16.50
		69.8	326.09	269.79	16.50	57.11	18.22
		73.6	327.51	271.11	16.53	57.49	20.01
		77.5	328.80	272.29	16.56	57.83	21.87
		81.4	329.98	273.38	16.59	58.15	23.80
		85.2	331.01	274.34	16.61	58.43	25.81
		89.1	331.99	275.24	16.63	58.70	27.88
		93.0	332.88	276.06	16.65	58.94	30.03
	75	50.4	352.23	293.90	17.10	63.06	10.02
		54.3	355.18	296.62	17.16	63.81	11.39
		58.1	357.81	299.05	17.22	64.47	12.83
		62.0	360.11	301.17	17.27	65.05	14.35
		65.9	362.13	303.04	17.32	65.58	15.94
		69.8	363.94	304.71	17.36	66.05	17.60
		73.6	365.59	306.22	17.40	66.48	19.33
		77.5	367.10	307.62	17.43	66.86	21.13
		81.4	368.43	308.85	17.46	67.22	22.99
		85.2	369.62	309.95	17.49	67.55	24.93
		89.1	370.72	310.96	17.51	67.84	26.93
		93.0	371.74	311.90	17.54	68.12	29.00

Table 10. Heating capacities (continued)

Model	EWT	GPM	Gross Mbtuh	Absorb Mbtuh	Comp Pwr kW	LWT	Feet Head
GSK300	85	50.4	390.21	328.89	17.97	71.58	9.70
		54.3	393.93	332.32	18.06	72.40	11.03
		58.1	397.22	335.34	18.13	73.13	12.43
		62.0	400.08	337.98	18.20	73.78	13.90
		65.9	402.55	340.26	18.26	74.37	15.43
		69.8	404.76	342.29	18.31	74.90	17.04
		73.6	406.70	344.08	18.35	75.38	18.72
		77.5	408.48	345.73	18.39	75.81	20.46
		81.4	410.07	347.19	18.43	76.21	22.26
		85.2	411.57	348.58	18.46	76.57	24.14
		89.1	412.90	349.80	18.49	76.91	26.07
		93.0	414.11	350.91	18.52	77.22	28.08

Note: Rated in accordance with ANSI/AHRI/ASHRAE/ISO13256-1. Certified conditions are 80.6F DB/66.2F WB EAT in cooling and 68F DB/59F WB EAT in heating. For conditions other than what is tabulated, multipliers must be used to correct performance. See performance correction tables for fan correction factors for CFM other than rated and the cooling correction factors for variations in entering air temperature.

Table 11. Antifreeze

Antifreeze	% mixture by volume	Cooling Capacity	Heating Capacity	WPD
Ethylene Glycol	0	1.000	1.000	1.000
	5	0.998	0.996	1.008
	10	0.996	0.993	1.024
	15	0.993	0.989	1.044
	20	0.991	0.985	1.068
	25	0.989	0.981	1.095
	30	0.987	0.977	1.124
	35	0.985	0.973	1.155
	40	0.983	0.969	1.188
	45	0.981	0.965	1.223
	50	0.979	0.961	1.263
Propylene Glycol	0	1.000	1.000	1.000
	5	0.997	0.993	1.018
	10	0.993	0.986	1.040
	15	0.990	0.980	1.067
	20	0.987	0.973	1.098
	25	0.984	0.967	1.133
	30	0.980	0.960	1.174
	35	0.977	0.954	1.220
	40	0.974	0.948	1.273
	45	0.971	0.941	1.334
	50	0.968	0.935	1.405
Methanol	0	1.000	1.000	1.000
	5	0.999	0.998	1.009
	10	0.998	0.995	1.023
	15	0.997	0.992	1.039
	20	0.997	0.990	1.057
	25	0.996	0.987	1.074
	30	0.995	0.985	1.091
	35	0.994	0.982	1.106
	40	0.993	0.979	1.122
	45	0.992	0.977	1.140
	50	0.992	0.974	1.160

Evaporator Fan Performance

Fan Curve Limits

Table 12. Fan curve limits

Unit Size (tons)	Motor	Maximum			
		hp	rpm	CFM (cfm/ton)	ESP
3	Standard	0.75 1.0 (575 V)	1200	480	2.0 in H_2O @ 400 cfm/ton
4 to 5	Standard	1.0	1200	480	2.0 in H_2O @ 400 cfm/ton
3 to 5	High Static	1.5	1400	480	2.0 in H_2O @ 400 cfm/ton
6 to 10	Standard	2.9	1850	480	2.0 in H_2O @ 400 cfm/ton
10	High Static	4.2	1940	480	2.0 in H_2O @ 400 cfm/ton
12.5	Standard	4.2	1940	480	2.0 in H_2O @ 400 cfm/ton
15 to 25	Standard	5.8	1850	480	2.0 in H_2O @ 400 cfm/ton
25	High Static	8.4	1940	480	2.0 in H_2O @ 400 cfm/ton

The fan curve graphs include standard filter and a wet indoor coil. ESP capability is reduced with options based on the accessory table component pressure drop. To determine ESP at rpm/cfm with other options/accessories, select intersection point of the RPM vs CFM and then reduce ESP shown in graph by the sum of additional option static pressure drop listed in the fan performance accessory table section.

3 to 5 Tons

Figure 1. Fan curves – 3 to 5 tons (model GSK), downflow

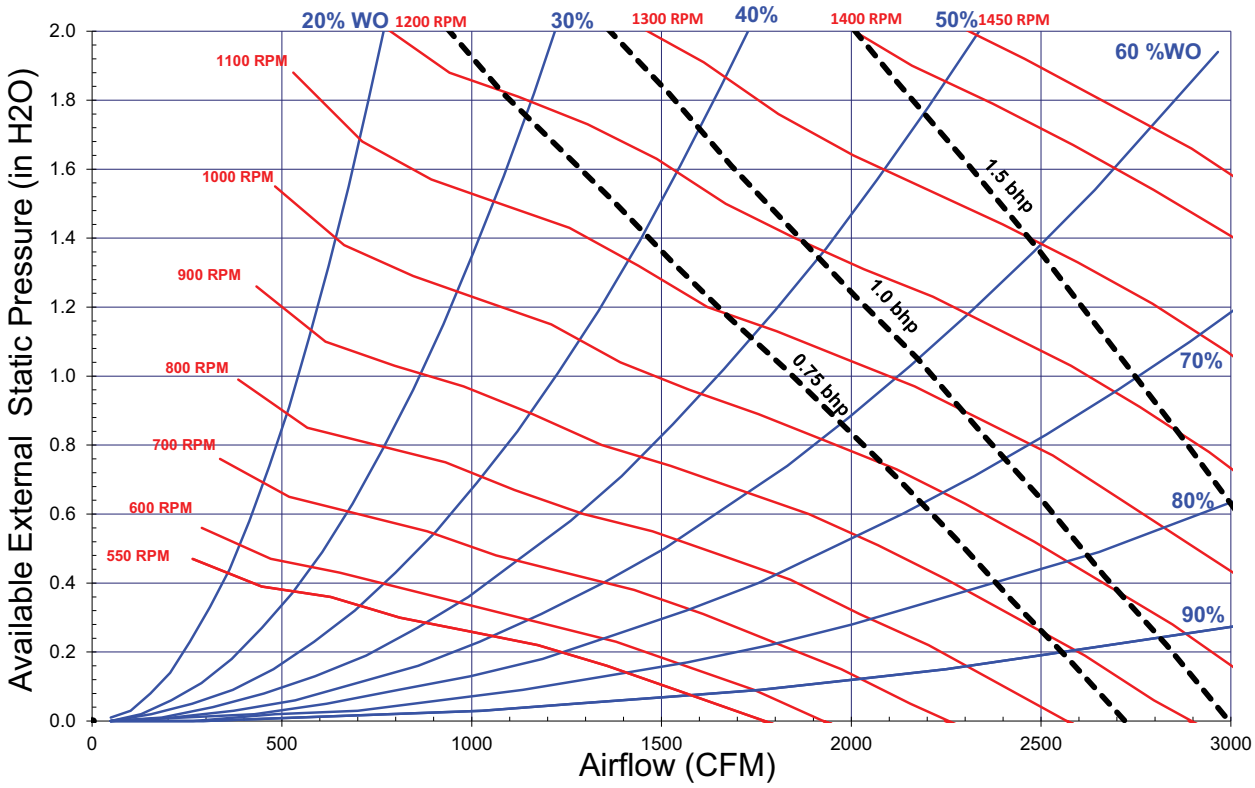
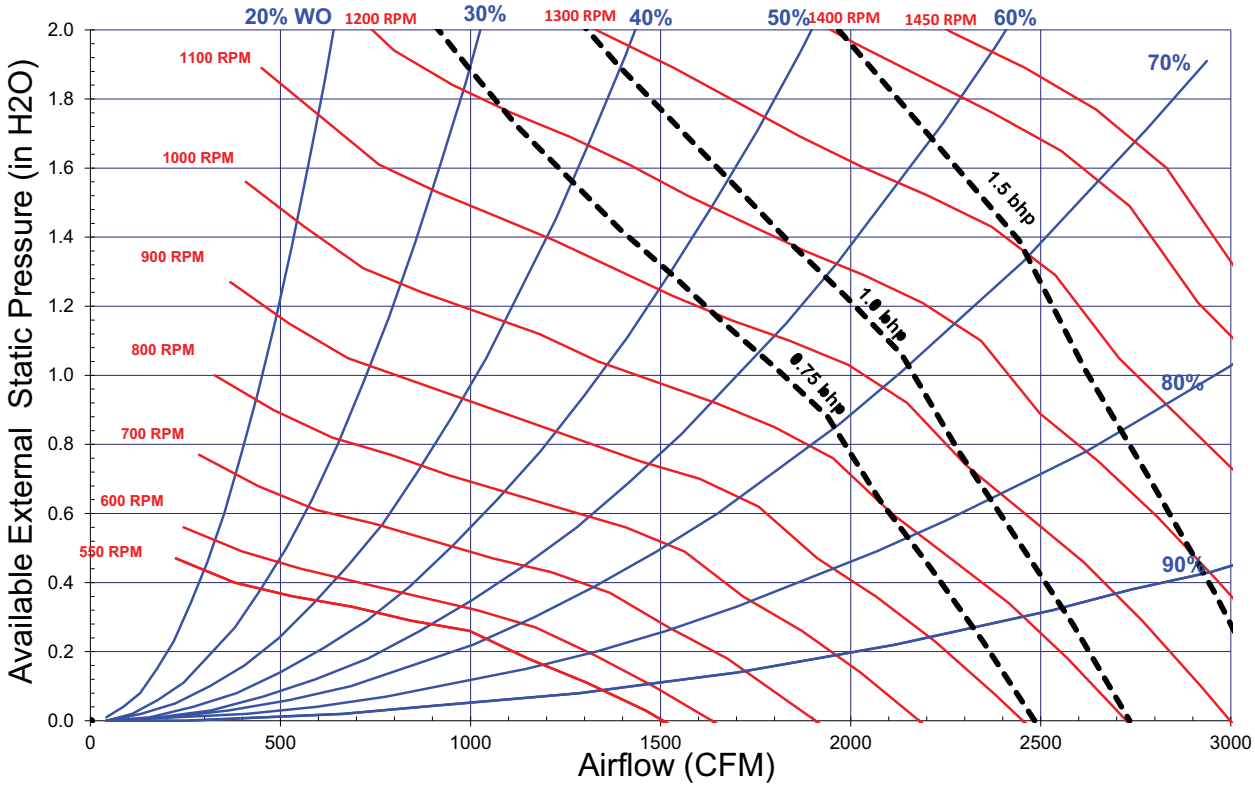


Figure 2. Fan curves – 3 to 5 tons (model GSK), horizontal



Evaporator Fan Performance

Table 13. Evaporator fan performance - 3 to 5 tons (model GSK)

Unit Size (tons)	Model Number	CFM	External Static Pressure (in. water) and Motor Power (Bhp)														
			Speed Set 1			Speed Set 2			Speed Set 3			Speed Set 4			Speed Set 5		
			ESP	RPM	BHP	ESP	RPM	BHP	ESP	RPM	BHP	ESP	RPM	BHP	ESP	RPM	BHP
3	GSK036*3, 4, W Downflow Airflow	900	1.32	1001	0.45	1.62	1105	0.57	1.97	1219	0.71	—	—	—	—	—	—
		960	1.25	984	0.44	1.55	1088	0.56	1.90	1204	0.70	—	—	—	—	—	—
		1020	1.19	965	0.44	1.48	1071	0.55	1.83	1187	0.69	—	—	—	—	—	—
		1080	1.12	946	0.43	1.41	1053	0.54	1.75	1170	0.68	—	—	—	—	—	—
		1140	1.05	927	0.42	1.33	1034	0.53	1.68	1153	0.67	1.99	1252	0.81	—	—	—
		1200	0.98	906	0.41	1.26	1015	0.52	1.60	1135	0.66	1.91	1235	0.80	—	—	—
		1260	0.91	886	0.40	1.19	995	0.51	1.52	1116	0.65	1.83	1217	0.79	—	—	—
		1320	0.83	864	0.39	1.11	975	0.50	1.44	1097	0.64	1.75	1199	0.78	—	—	—
		1380	0.76	843	0.38	1.04	954	0.49	1.37	1077	0.63	1.67	1180	0.77	—	—	—
		1440	0.69	820	0.37	0.96	932	0.48	1.29	1057	0.62	1.59	1161	0.75	2.00	1296	0.96
3	GSK036*3, 4, W Horizontal Airflow	900	1.27	983	0.44	1.56	1080	0.55	1.91	1187	0.69	—	—	—	—	—	—
		960	1.21	968	0.44	1.49	1066	0.55	1.84	1174	0.68	—	—	—	—	—	—
		1020	1.14	952	0.43	1.43	1051	0.54	1.77	1160	0.68	—	—	—	—	—	—
		1080	1.07	936	0.42	1.35	1036	0.53	1.69	1146	0.67	2.00	1238	0.80	—	—	—
		1140	1.00	920	0.42	1.28	1020	0.52	1.62	1131	0.66	1.92	1224	0.79	—	—	—
		1200	0.93	903	0.41	1.21	1004	0.51	1.54	1116	0.65	1.84	1210	0.78	—	—	—
		1260	0.86	885	0.40	1.13	987	0.51	1.46	1100	0.64	1.76	1195	0.77	—	—	—
		1320	0.78	867	0.39	1.05	970	0.50	1.38	1084	0.63	1.68	1179	0.76	—	—	—
		1380	0.70	848	0.38	0.97	952	0.49	1.30	1067	0.62	1.60	1164	0.75	2.00	1288	0.96
		1440	0.62	829	0.37	0.89	934	0.48	1.22	1050	0.61	1.51	1147	0.74	1.94	1273	0.95
4	GSK048*3, 4, W Downflow Airflow	1200	1.49	1096	0.61	1.71	1172	0.71	2.00	1261	0.84	—	—	—	—	—	—
		1280	1.38	1070	0.60	1.61	1148	0.70	1.89	1238	0.82	—	—	—	—	—	—
		1360	1.28	1044	0.58	1.50	1122	0.68	1.78	1213	0.81	—	—	—	—	—	—
		1440	1.18	1016	0.57	1.39	1096	0.66	1.67	1188	0.79	—	—	—	—	—	—
		1520	1.07	988	0.55	1.29	1068	0.65	1.55	1162	0.77	1.98	1295	0.99	—	—	—
		1600	0.96	958	0.54	1.18	1039	0.63	1.44	1134	0.76	1.87	1270	0.97	—	—	—
		1680	0.85	928	0.52	1.06	1010	0.61	1.33	1106	0.74	1.74	1244	0.95	—	—	—
		1760	0.74	896	0.50	0.95	979	0.59	1.21	1076	0.72	1.62	1216	0.93	—	—	—
		1840	0.63	863	0.48	0.84	948	0.58	1.09	1046	0.70	1.50	1188	0.90	—	—	—
		1920	0.52	830	0.46	0.72	915	0.56	0.97	1015	0.68	1.37	1158	0.88	2.00	1357	1.25
4	GSK048*3, 4, W Horizontal Airflow	1200	1.43	1080	0.60	1.65	1151	0.70	1.93	1234	0.82	—	—	—	—	—	—
		1280	1.32	1058	0.59	1.54	1130	0.69	1.82	1214	0.81	—	—	—	—	—	—
		1360	1.22	1036	0.58	1.43	1109	0.67	1.71	1194	0.80	—	—	—	—	—	—
		1440	1.11	1012	0.57	1.32	1086	0.66	1.59	1172	0.78	2.00	1295	0.99	—	—	—
		1520	1.00	988	0.55	1.21	1063	0.65	1.47	1150	0.77	1.90	1274	0.97	—	—	—
		1600	0.88	963	0.54	1.09	1039	0.63	1.35	1127	0.75	1.77	1253	0.95	—	—	—
		1680	0.76	937	0.52	0.97	1014	0.62	1.23	1103	0.73	1.65	1231	0.94	—	—	—
		1760	0.64	910	0.51	0.85	988	0.60	1.10	1078	0.72	1.51	1208	0.92	—	—	—
		1840	0.52	882	0.49	0.72	961	0.58	0.97	1052	0.70	1.38	1184	0.90	2.00	1364	1.26
		1920	0.39	853	0.48	0.59	933	0.57	0.84	1026	0.68	1.24	1159	0.88	1.92	1342	1.24

Table 13. Evaporator fan performance - 3 to 5 tons (model GSK) (continued)

Unit Size (tons)	Model Number	CFM	External Static Pressure (in. water) and Motor Power (Bhp)													
			Speed Set 1			Speed Set 2			Speed Set 3			Speed Set 4			Speed Set 5		
			ESP	RPM	BHP	ESP	RPM	BHP	ESP	RPM	BHP	ESP	RPM	BHP	ESP	RPM	BHP
5	GSK060*3, 4, W Downflow Airflow	1500	1.53	1150	0.75	1.80	1237	0.88	2.00	1317	1.02	—	—	—	—	—	—
		1600	1.39	1116	0.73	1.65	1205	0.86	1.92	1286	0.99	—	—	—	—	—	—
		1700	1.24	1080	0.71	1.50	1170	0.84	1.77	1253	0.97	—	—	—	—	—	—
		1800	1.10	1042	0.68	1.35	1134	0.81	1.61	1218	0.94	1.97	1323	1.13	—	—	—
		1900	0.95	1003	0.66	1.20	1097	0.78	1.45	1182	0.91	1.81	1290	1.10	—	—	—
		2000	0.80	963	0.63	1.05	1057	0.76	1.29	1145	0.89	1.64	1254	1.07	—	—	—
		2100	0.65	920	0.60	0.89	1017	0.73	1.13	1106	0.86	1.47	1217	1.04	—	—	—
		2200	0.49	876	0.57	0.73	974	0.70	0.97	1065	0.82	1.30	1179	1.01	—	—	—
		2300	0.34	831	0.54	0.57	930	0.66	0.80	1022	0.79	1.13	1138	0.98	1.95	1363	1.45
		2400	0.18	784	0.51	0.41	885	0.63	0.63	978	0.76	0.96	1096	0.94	1.76	1326	1.41
5	GSK060*3, 4, W Horizontal Airflow	1500	1.45	1139	0.75	1.72	1220	0.87	1.98	1294	1.00	—	—	—	—	—	—
		1600	1.30	1110	0.73	1.56	1192	0.85	1.83	1267	0.98	—	—	—	—	—	—
		1700	1.15	1079	0.71	1.41	1163	0.83	1.67	1240	0.96	2.00	1335	1.14	—	—	—
		1800	0.99	1048	0.69	1.24	1133	0.81	1.50	1211	0.94	1.86	1308	1.12	—	—	—
		1900	0.82	1014	0.66	1.08	1101	0.79	1.33	1180	0.91	1.68	1279	1.10	—	—	—
		2000	0.66	980	0.64	0.91	1068	0.76	1.15	1149	0.89	1.50	1250	1.07	—	—	—
		2100	0.48	944	0.62	0.73	1033	0.74	0.98	1115	0.86	1.32	1218	1.04	—	—	—
		2200	0.31	906	0.59	0.55	997	0.71	0.79	1081	0.84	1.13	1186	1.02	1.98	1386	1.48
		2300	0.13	868	0.57	0.37	960	0.69	0.60	1045	0.81	0.94	1152	0.99	1.77	1357	1.45
		2400	—	—	—	0.18	921	0.66	0.41	1008	0.78	0.74	1117	0.96	1.56	1327	1.41

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

6 to 25 Tons — Downflow

Figure 3. Fan curves — 6 to 8.5 tons (model GSK), downflow

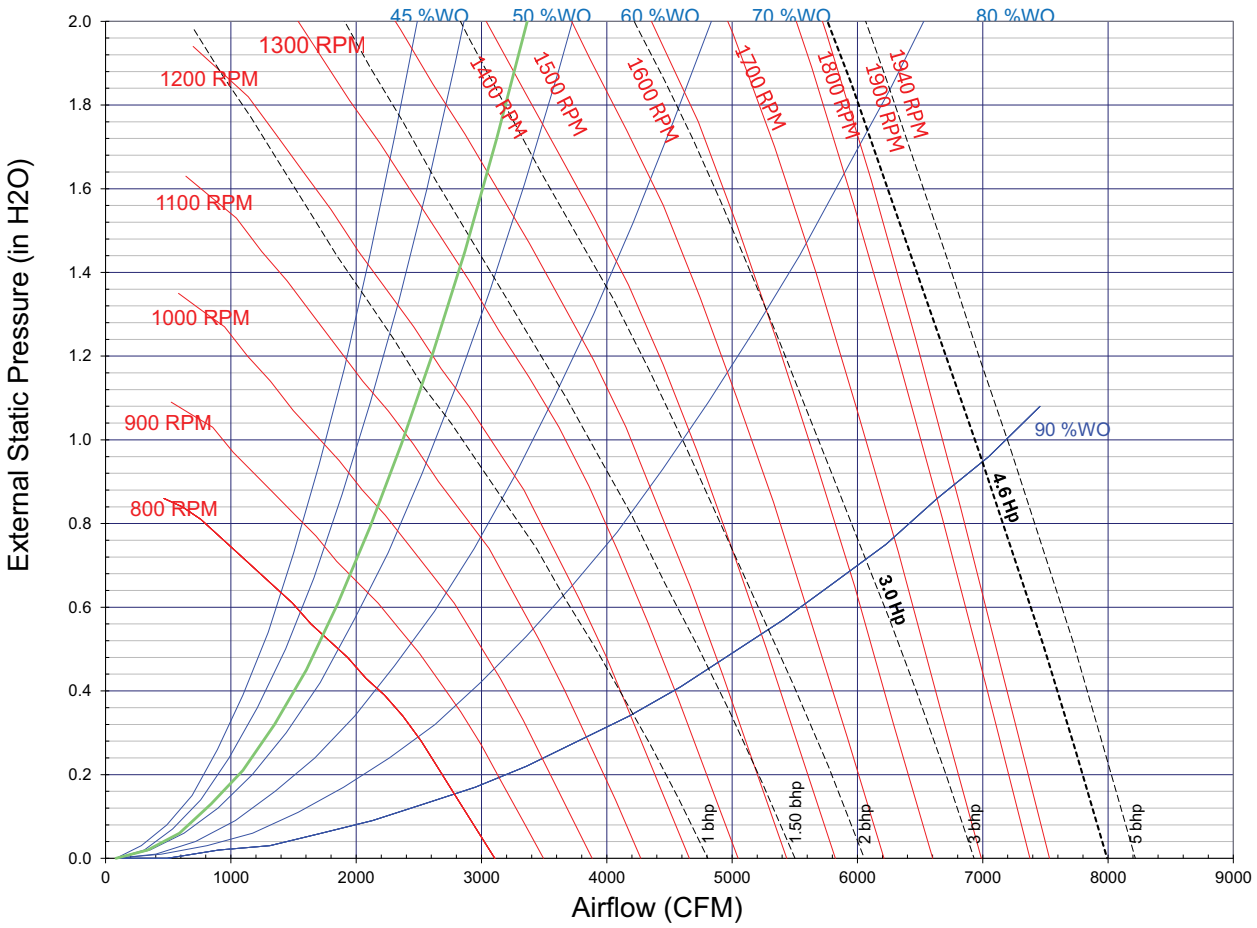


Table 14. Evaporator fan performance - 6 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	543	0.10	612	0.14	677	0.20	737	0.25	791	0.31	841	0.38	888	0.44	932	0.51	973	0.58	1012	0.65
1920	570	0.11	635	0.16	697	0.21	756	0.27	809	0.34	858	0.40	905	0.47	948	0.54	990	0.61	1029	0.68
2040	597	0.12	659	0.18	718	0.23	775	0.29	828	0.36	876	0.43	922	0.50	966	0.57	1006	0.64	1045	0.72
2160	624	0.14	684	0.20	741	0.25	795	0.32	847	0.38	895	0.46	940	0.53	983	0.60	1024	0.68	1062	0.76
2280	652	0.16	710	0.22	764	0.28	815	0.34	867	0.41	914	0.48	959	0.56	1001	0.64	1041	0.72	1079	0.80
2400	680	0.18	735	0.24	787	0.30	838	0.37	886	0.44	933	0.51	977	0.59	1019	0.67	1059	0.75	1097	0.84
2520	709	0.20	762	0.26	812	0.33	860	0.40	906	0.47	953	0.55	997	0.63	1038	0.71	1077	0.79	1114	0.88
2640	737	0.22	789	0.29	837	0.36	883	0.43	928	0.50	973	0.58	1016	0.66	1057	0.75	1096	0.83	1132	0.92
2760	766	0.25	816	0.32	862	0.39	907	0.46	951	0.54	993	0.62	1036	0.70	1076	0.79	1114	0.88	1151	0.97
2880	795	0.28	843	0.35	888	0.42	932	0.50	974	0.57	1015	0.66	1055	0.74	1096	0.83	1134	0.92	1170	1.02
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	1050	0.72	1086	0.79	1120	0.87	1154	0.95	1186	1.03	1217	1.11	1247	1.19	1277	1.27	1305	1.36	1333	1.45
1920	1066	0.76	1102	0.83	1136	0.91	1169	0.99	1202	1.07	1233	1.16	1263	1.24	1292	1.33	1321	1.41	1349	1.5
2040	1082	0.8	1118	0.87	1152	0.95	1185	1.04	1217	1.12	1248	1.21	1279	1.29	1308	1.38	1336	1.47	1364	1.56

Table 14. Evaporator fan performance - 6 ton (model GSK), downflow (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2160	1099	0.84	1135	0.92	1169	1	1202	1.08	1234	1.17	1265	1.26	1295	1.35	1324	1.44	1352	1.53	1380	1.62
2280	1116	0.88	1151	0.96	1185	1.05	1218	1.13	1250	1.22	1281	1.31	1311	1.4	1340	1.49	1368	1.59	1396	1.68
2400	1133	0.92	1169	1.01	1202	1.09	1235	1.18	1266	1.27	1297	1.37	1327	1.46	1356	1.56	1384	1.65	1412	1.75
2520	1151	0.97	1186	1.05	1219	1.14	1252	1.24	1283	1.33	1314	1.42	1343	1.52	1372	1.62	1400	1.72	1428	1.82
2640	1168	1.01	1203	1.1	1237	1.2	1269	1.29	1300	1.39	1331	1.48	1360	1.58	1389	1.68	1417	1.78	1444	1.88
2760	1186	1.06	1221	1.16	1254	1.25	1286	1.35	1317	1.44	1348	1.54	1377	1.64	1406	1.75	1434	1.85	1461	1.96
2880	1205	1.11	1239	1.21	1272	1.31	1304	1.41	1335	1.51	1365	1.61	1394	1.71	1423	1.82	1450	1.92	1478	2.03

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 15. Evaporator fan performance - 7.5 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	645	0.15	703	0.21	758	0.27	810	0.33	862	0.40	909	0.48	954	0.55	996	0.63	1037	0.71	1075	0.79
2400	680	0.18	735	0.24	787	0.30	838	0.37	886	0.44	933	0.51	977	0.59	1019	0.67	1059	0.75	1097	0.84
2550	716	0.21	769	0.27	818	0.34	866	0.40	912	0.48	958	0.56	1001	0.64	1042	0.72	1081	0.80	1119	0.89
2700	751	0.24	802	0.30	850	0.37	895	0.44	940	0.52	983	0.60	1026	0.68	1066	0.77	1105	0.86	1142	0.95
2850	788	0.27	836	0.34	881	0.41	925	0.49	968	0.56	1009	0.65	1050	0.73	1091	0.82	1129	0.91	1165	1.00
3000	824	0.31	870	0.38	914	0.46	956	0.53	997	0.61	1037	0.70	1076	0.78	1115	0.88	1153	0.97	1189	1.07
3150	860	0.35	905	0.43	947	0.50	988	0.58	1027	0.67	1066	0.75	1103	0.84	1140	0.93	1178	1.03	1213	1.13
3300	897	0.39	940	0.47	981	0.56	1020	0.64	1058	0.72	1095	0.81	1132	0.90	1167	1.00	1202	1.10	1238	1.20
3600	971	0.50	1011	0.58	1049	0.67	1085	0.76	1121	0.85	1156	0.95	1189	1.04	1223	1.14	1256	1.24	1288	1.35
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	1112	0.87	1147	0.95	1181	1.03	1214	1.12	1246	1.21	1277	1.3	1307	1.39	1336	1.48	1364	1.57	1392	1.67
2400	1133	0.92	1169	1.01	1202	1.09	1235	1.18	1266	1.27	1297	1.37	1327	1.46	1356	1.56	1384	1.65	1412	1.75
2550	1155	0.98	1190	1.07	1224	1.16	1256	1.25	1288	1.34	1318	1.44	1348	1.54	1376	1.63	1405	1.73	1432	1.83
2700	1177	1.04	1212	1.13	1245	1.22	1278	1.32	1309	1.42	1339	1.51	1369	1.61	1397	1.71	1425	1.82	1453	1.92
2850	1200	1.1	1234	1.2	1267	1.29	1299	1.39	1330	1.49	1361	1.59	1390	1.69	1418	1.8	1446	1.9	1473	2.01
3000	1224	1.16	1257	1.26	1290	1.36	1321	1.47	1352	1.57	1382	1.67	1411	1.78	1440	1.89	1468	1.99	1495	2.1
3150	1248	1.23	1281	1.33	1313	1.44	1344	1.54	1374	1.65	1404	1.76	1433	1.87	1461	1.98	1489	2.09	1516	2.2
3300	1272	1.3	1305	1.41	1337	1.52	1367	1.62	1397	1.73	1426	1.85	1455	1.96	1483	2.07	1511	2.19	1537	2.3
3600	1321	1.46	1354	1.57	1385	1.68	1415	1.8	1445	1.91	1473	2.03	1501	2.15	1528	2.27	1555	2.39	1581	2.51

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Evaporator Fan Performance

Table 16. Evaporator fan performance - 8.5 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2550	716	0.21	769	0.27	818	0.34	866	0.40	912	0.48	958	0.56	1001	0.64	1042	0.72	1081	0.80	1119	0.89
2720	756	0.24	807	0.31	854	0.38	899	0.45	943	0.53	986	0.60	1029	0.69	1070	0.77	1108	0.86	1145	0.95
2890	797	0.28	845	0.35	890	0.42	934	0.50	975	0.58	1017	0.66	1057	0.74	1097	0.83	1135	0.93	1172	1.02
3060	838	0.33	884	0.40	927	0.48	969	0.55	1009	0.63	1048	0.72	1087	0.81	1125	0.90	1163	0.99	1199	1.09
3230	880	0.37	923	0.45	965	0.53	1005	0.61	1044	0.70	1081	0.78	1118	0.87	1154	0.97	1191	1.07	1226	1.17
3400	921	0.43	963	0.51	1003	0.59	1041	0.68	1079	0.77	1115	0.85	1150	0.95	1186	1.04	1219	1.14	1254	1.25
3570	963	0.49	1003	0.57	1042	0.66	1079	0.75	1114	0.84	1150	0.93	1183	1.03	1218	1.13	1251	1.23	1283	1.33
3740	1005	0.55	1044	0.64	1081	0.73	1117	0.82	1151	0.92	1185	1.01	1218	1.11	1250	1.21	1283	1.32	1314	1.42
4080	1089	0.70	1126	0.79	1160	0.89	1193	0.99	1226	1.09	1257	1.20	1288	1.30	1319	1.41	1348	1.52	1378	1.63
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2550	1155	0.98	1190	1.07	1224	1.16	1256	1.25	1288	1.34	1318	1.44	1348	1.54	1376	1.63	1405	1.73	1432	1.83
2720	1180	1.05	1215	1.14	1248	1.23	1280	1.33	1312	1.42	1342	1.52	1371	1.62	1400	1.72	1428	1.83	1455	1.93
2890	1207	1.12	1240	1.21	1273	1.31	1305	1.41	1336	1.51	1366	1.61	1396	1.72	1424	1.82	1452	1.93	1479	2.03
3060	1234	1.19	1267	1.29	1299	1.39	1330	1.5	1361	1.6	1391	1.71	1420	1.81	1448	1.92	1476	2.03	1503	2.14
3230	1261	1.27	1294	1.37	1326	1.48	1357	1.59	1386	1.7	1416	1.8	1445	1.91	1473	2.03	1501	2.14	1527	2.25
3400	1288	1.35	1321	1.46	1353	1.57	1383	1.68	1413	1.79	1442	1.91	1470	2.02	1498	2.14	1525	2.25	1552	2.37
3570	1316	1.44	1349	1.55	1380	1.66	1410	1.78	1440	1.89	1469	2.01	1496	2.13	1524	2.25	1550	2.37	1577	2.49
3740	1345	1.53	1377	1.65	1408	1.76	1438	1.88	1467	2	1496	2.12	1523	2.24	1550	2.37	1577	2.49	1603	2.62
4080	1408	1.74	1436	1.86	1464	1.98	1494	2.1	1522	2.23	1550	2.36	1578	2.49	1604	2.62	1630	2.75	1656	2.88

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Figure 4. Fan curves — 10 tons (model GSK), downflow

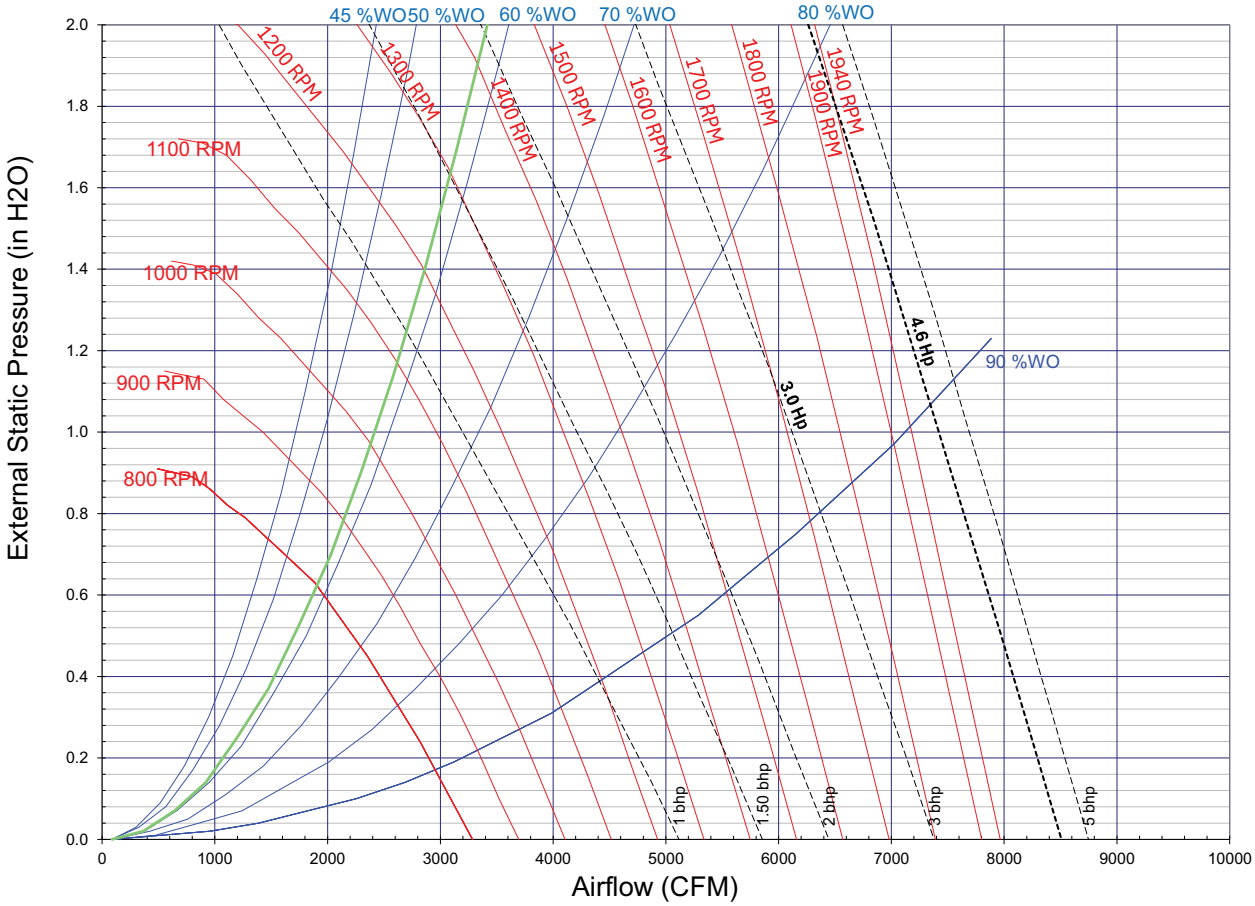


Table 17. Evaporator fan performance - 10 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	778	0.26	821	0.33	862	0.39	902	0.46	940	0.54	976	0.61	1010	0.69	1042	0.76	1074	0.84	1106	0.92
3200	824	0.31	865	0.38	904	0.45	942	0.52	978	0.60	1013	0.68	1046	0.75	1078	0.83	1108	0.92	1138	1.00
3400	871	0.36	910	0.44	946	0.51	982	0.59	1017	0.66	1051	0.75	1084	0.83	1115	0.91	1145	1.00	1173	1.08
3600	917	0.42	954	0.50	990	0.58	1024	0.65	1057	0.74	1090	0.82	1121	0.91	1152	1.00	1181	1.09	1209	1.18
3800	964	0.49	1000	0.57	1034	0.65	1066	0.73	1098	0.82	1129	0.91	1160	1.00	1190	1.09	1219	1.18	1246	1.28
4000	1011	0.56	1045	0.65	1078	0.73	1109	0.82	1139	0.90	1170	1.00	1199	1.09	1228	1.18	1256	1.28	1283	1.38
4200	1058	0.64	1091	0.73	1122	0.82	1152	0.91	1181	1.00	1211	1.09	1239	1.19	1267	1.29	1294	1.39	1321	1.49
4400	1105	0.73	1137	0.82	1167	0.91	1196	1.01	1224	1.10	1252	1.20	1280	1.30	1307	1.40	1333	1.51	1359	1.61
4800	1200	0.93	1229	1.03	1257	1.13	1285	1.23	1311	1.33	1337	1.43	1362	1.54	1388	1.65	1413	1.76	1437	1.87
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	1137	1	1167	1.08	1195	1.17	1223	1.25	1250	1.34	1277	1.43	1305	1.52	1332	1.61	1358	1.71	1384	1.8
3200	1169	1.08	1198	1.17	1226	1.26	1254	1.35	1281	1.44	1306	1.53	1332	1.62	1357	1.72	1383	1.81	1409	1.91
3400	1201	1.17	1230	1.26	1258	1.35	1285	1.45	1312	1.54	1337	1.63	1362	1.73	1387	1.83	1410	1.93	1434	2.03
3600	1237	1.27	1263	1.36	1290	1.45	1317	1.55	1343	1.65	1369	1.75	1393	1.85	1417	1.95	1441	2.05	1464	2.15
3800	1273	1.37	1299	1.47	1324	1.56	1349	1.66	1375	1.76	1400	1.86	1425	1.97	1449	2.07	1472	2.18	1495	2.28
4000	1310	1.48	1335	1.58	1360	1.68	1384	1.78	1408	1.89	1432	1.99	1457	2.1	1480	2.2	1503	2.31	1526	2.42

Table 17. Evaporator fan performance - 10 ton (model GSK), downflow (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4200	1347	1.6	1372	1.7	1396	1.8	1420	1.91	1443	2.02	1466	2.12	1489	2.23	1512	2.34	1535	2.46	1558	2.57
4400	1384	1.72	1409	1.83	1433	1.94	1457	2.05	1480	2.16	1502	2.27	1524	2.38	1545	2.49	1568	2.61	1590	2.72
4800	1461	1.99	1485	2.1	1508	2.22	1531	2.34	1553	2.46	1575	2.58	1596	2.7	1617	2.82	1638	2.94	1658	3.06

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 18. Evaporator fan performance - 12.5 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3750	541	0.19	604	0.28	661	0.37	713	0.47	761	0.58	807	0.69	850	0.80	891	0.91	930	1.03	968	1.16
4000	568	0.21	629	0.31	684	0.41	734	0.51	781	0.62	825	0.74	868	0.85	908	0.97	947	1.10	983	1.22
4500	625	0.28	679	0.38	731	0.49	779	0.61	823	0.73	866	0.85	905	0.97	944	1.10	982	1.23	1018	1.37
5000	683	0.35	732	0.47	780	0.58	826	0.71	868	0.84	908	0.97	947	1.11	983	1.24	1018	1.38	1053	1.53
5500	742	0.45	786	0.57	831	0.69	874	0.83	915	0.97	953	1.11	989	1.26	1025	1.40	1059	1.55	1092	1.70
6000	801	0.55	842	0.68	883	0.82	924	0.96	962	1.11	999	1.26	1035	1.42	1068	1.58	1102	1.74	1133	1.90
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3750	1005	1.29	1040	1.43	1074	1.57	1106	1.71	1137	1.86	1168	2	1198	2.15	1228	2.31	1257	2.46	1285	2.62
4000	1019	1.36	1054	1.5	1088	1.64	1120	1.79	1152	1.94	1182	2.09	1211	2.24	1240	2.4	1269	2.56	1297	2.72
4500	1052	1.51	1085	1.65	1117	1.79	1149	1.95	1180	2.1	1211	2.26	1240	2.43	1268	2.59	1296	2.76	1323	2.93
5000	1087	1.67	1120	1.82	1151	1.98	1182	2.13	1211	2.29	1240	2.45	1269	2.62	1297	2.79	1325	2.97	1352	3.15
5500	1123	1.86	1155	2.02	1186	2.18	1216	2.34	1246	2.51	1274	2.68	1302	2.85	1328	3.02	1354	3.2	1381	3.38
6000	1164	2.06	1194	2.23	1223	2.4	1252	2.57	1281	2.74	1309	2.92	1336	3.1	1363	3.28	1389	3.47	1414	3.66

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 19. Evaporator fan performance - 15 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4500	625	0.28	679	0.38	731	0.49	779	0.61	823	0.73	866	0.85	905	0.97	944	1.10	982	1.23	1018	1.37
4800	660	0.32	711	0.43	760	0.54	807	0.67	850	0.79	891	0.92	930	1.05	967	1.18	1003	1.32	1039	1.46
5400	730	0.43	775	0.54	821	0.67	864	0.80	905	0.94	944	1.08	981	1.22	1017	1.37	1051	1.52	1084	1.67
6000	801	0.55	842	0.68	883	0.82	924	0.96	962	1.11	999	1.26	1035	1.42	1068	1.58	1102	1.74	1133	1.90
6600	873	0.71	911	0.85	948	1.00	985	1.15	1022	1.31	1057	1.47	1091	1.63	1123	1.81	1155	1.98	1185	2.16
7200	945	0.89	981	1.04	1014	1.20	1049	1.36	1083	1.53	1116	1.70	1148	1.88	1180	2.06	1210	2.25	1239	2.43

Table 19. Evaporator fan performance - 15 ton (model GSK), downflow (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4500	1052	1.51	1085	1.65	1117	1.79	1149	1.95	1180	2.1	1211	2.26	1240	2.43	1268	2.59	1296	2.76	1323	2.93
4800	1073	1.61	1106	1.75	1137	1.9	1168	2.05	1198	2.21	1228	2.37	1257	2.54	1286	2.71	1313	2.88	1340	3.06
5400	1115	1.82	1148	1.98	1179	2.14	1209	2.3	1239	2.46	1267	2.63	1295	2.8	1322	2.97	1348	3.15	1375	3.33
6000	1164	2.06	1194	2.23	1223	2.4	1252	2.57	1281	2.74	1309	2.92	1336	3.1	1363	3.28	1389	3.47	1414	3.66
6600	1215	2.33	1244	2.51	1272	2.69	1300	2.87	1326	3.05	1352	3.24	1379	3.43	1405	3.62	1431	3.82	1456	4.02
7200	1268	2.63	1295	2.82	1323	3.01	1350	3.2	1376	3.4	1401	3.6	1426	3.79	1450	4	1474	4.2	1498	4.41

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 20. Evaporator fan performance - 17.5 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	712	0.40	759	0.51	805	0.64	850	0.77	891	0.90	930	1.04	968	1.18	1004	1.32	1039	1.47	1072	1.61
5600	753	0.47	797	0.59	841	0.72	883	0.85	924	0.99	962	1.14	998	1.29	1034	1.44	1067	1.59	1100	1.74
6300	837	0.63	876	0.76	915	0.91	954	1.05	992	1.20	1028	1.36	1063	1.52	1096	1.69	1127	1.86	1159	2.02
7000	921	0.83	957	0.98	992	1.13	1027	1.29	1062	1.45	1096	1.62	1129	1.80	1161	1.97	1191	2.15	1221	2.34
7700	1006	1.07	1040	1.23	1071	1.40	1103	1.57	1135	1.75	1167	1.93	1198	2.11	1228	2.30	1258	2.49	1286	2.69
8400	1091	1.35	1123	1.53	1152	1.71	1181	1.89	1211	2.08	1240	2.28	1269	2.47	1298	2.67	1325	2.88	1353	3.09
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	1105	1.76	1137	1.92	1169	2.08	1199	2.24	1228	2.4	1257	2.56	1284	2.73	1312	2.9	1339	3.08	1366	3.26
5600	1132	1.9	1162	2.06	1193	2.22	1223	2.39	1253	2.55	1281	2.73	1308	2.9	1335	3.07	1361	3.25	1387	3.43
6300	1189	2.19	1219	2.37	1247	2.54	1275	2.72	1302	2.89	1330	3.08	1357	3.26	1384	3.45	1410	3.64	1435	3.83
7000	1250	2.53	1278	2.71	1306	2.9	1333	3.09	1359	3.28	1385	3.47	1410	3.67	1434	3.87	1459	4.07	1484	4.27
7700	1314	2.89	1340	3.09	1366	3.3	1393	3.5	1418	3.71	1443	3.91	1467	4.12	1491	4.33	1515	4.55	1538	4.76
8400	1380	3.3	1405	3.51	1431	3.73	1455	3.95	1479	4.18	1503	4.4	1527	4.62	1550	4.85	1573	5.07	1596	5.3

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 21. Evaporator fan performance - 17.5 ton (model GSK), downflow, high static motor

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	712	0.40	759	0.51	805	0.64	850	0.77	891	0.90	930	1.04	968	1.18	1004	1.32	1039	1.47	1072	1.61
5600	753	0.47	797	0.59	841	0.72	883	0.85	924	0.99	962	1.14	998	1.29	1034	1.44	1067	1.59	1100	1.74
6300	837	0.63	876	0.76	915	0.91	954	1.05	992	1.20	1028	1.36	1063	1.52	1096	1.69	1127	1.86	1159	2.02

Evaporator Fan Performance

Table 21. Evaporator fan performance - 17.5 ton (model GSK), downflow, high static motor (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7000	921	0.83	957	0.98	992	1.13	1027	1.29	1062	1.45	1096	1.62	1129	1.80	1161	1.97	1191	2.15	1221	2.34
7700	1006	1.07	1040	1.23	1071	1.40	1103	1.57	1135	1.75	1167	1.93	1198	2.11	1228	2.30	1258	2.49	1286	2.69
8400	1091	1.35	1123	1.53	1152	1.71	1181	1.89	1211	2.08	1240	2.28	1269	2.47	1298	2.67	1325	2.88	1353	3.09
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	1105	1.76	1137	1.92	1169	2.08	1199	2.24	1228	2.4	1257	2.56	1284	2.73	1312	2.9	1339	3.08	1366	3.26
5600	1132	1.9	1162	2.06	1193	2.22	1223	2.39	1253	2.55	1281	2.73	1308	2.9	1335	3.07	1361	3.25	1387	3.43
6300	1189	2.19	1219	2.37	1247	2.54	1275	2.72	1302	2.89	1330	3.08	1357	3.26	1384	3.45	1410	3.64	1435	3.83
7000	1250	2.53	1278	2.71	1306	2.9	1333	3.09	1359	3.28	1385	3.47	1410	3.67	1434	3.87	1459	4.07	1484	4.27
7700	1314	2.89	1340	3.09	1366	3.3	1393	3.5	1418	3.71	1443	3.91	1467	4.12	1491	4.33	1515	4.55	1538	4.76
8400	1380	3.3	1405	3.51	1431	3.73	1455	3.95	1479	4.18	1503	4.4	1527	4.62	1550	4.85	1573	5.07	1596	5.3

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 22. Evaporator fan performance - 20 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	785	0.51	827	0.64	868	0.77	907	0.91	945	1.05	981	1.20	1016	1.35	1049	1.50	1081	1.65	1112	1.80
6400	831	0.61	872	0.74	911	0.88	948	1.02	984	1.17	1019	1.33	1053	1.48	1085	1.64	1116	1.80	1146	1.96
7200	925	0.83	962	0.97	997	1.13	1031	1.28	1064	1.45	1096	1.61	1128	1.79	1158	1.96	1188	2.14	1217	2.32
8000	1020	1.09	1054	1.26	1086	1.42	1117	1.60	1148	1.77	1177	1.95	1206	2.14	1235	2.33	1263	2.52	1290	2.72
8800	1115	1.42	1146	1.60	1176	1.78	1205	1.96	1233	2.15	1261	2.35	1288	2.55	1314	2.75	1341	2.96	1367	3.17
9600	1211	1.81	1240	2.00	1268	2.20	1295	2.39	1321	2.60	1347	2.81	1372	3.02	1397	3.24	1421	3.46	1445	3.68
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	1141	1.95	1170	2.1	1198	2.25	1227	2.41	1255	2.57	1282	2.74	1308	2.9	1333	3.07	1358	3.24	1383	3.41
6400	1175	2.12	1203	2.28	1231	2.44	1257	2.6	1284	2.77	1311	2.94	1337	3.11	1362	3.29	1387	3.46	1411	3.64
7200	1245	2.49	1272	2.67	1299	2.85	1324	3.03	1349	3.21	1374	3.39	1397	3.57	1421	3.76	1445	3.95	1469	4.14
8000	1317	2.91	1343	3.11	1369	3.31	1394	3.5	1418	3.7	1442	3.9	1465	4.1	1487	4.31	1510	4.5	1532	4.7
8800	1392	3.38	1417	3.59	1442	3.81	1466	4.02	1489	4.24	1512	4.46	1534	4.68	1557	4.89	1578	5.11	1599	5.33
9600	1469	3.9	1493	4.13	1517	4.37	1539	4.6	1562	4.83	1584	5.07	1606	5.31	1627	5.54	1648	5.78	-	-

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 23. Evaporator fan performance - 25 ton (model GSK), downflow

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	961	0.92	996	1.07	1030	1.23	1063	1.40	1095	1.56	1126	1.74	1157	1.91	1187	2.09	1216	2.28	1244	2.46
8000	1020	1.09	1054	1.26	1086	1.42	1117	1.60	1148	1.77	1177	1.95	1206	2.14	1235	2.33	1263	2.52	1290	2.72
9000	1139	1.51	1170	1.69	1199	1.88	1227	2.06	1255	2.26	1282	2.46	1309	2.66	1335	2.87	1360	3.07	1386	3.29
10000	1259	2.02	1287	2.23	1314	2.43	1340	2.64	1365	2.84	1390	3.06	1415	3.28	1439	3.51	1463	3.73	1486	3.96
11000	1379	2.65	1405	2.87	1430	3.09	1454	3.32	1478	3.54	1501	3.77	1523	4.01	1546	4.25	1568	4.50	1590	4.75
12000	1500	3.39	1524	3.63	1547	3.87	1570	4.12	1592	4.37	1613	4.61	1634	4.86	1655	5.12	1676	5.39	1696	5.65
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	1272	2.65	1299	2.83	1325	3.02	1350	3.2	1375	3.39	1399	3.58	1422	3.77	1446	3.96	1468	4.15	1491	4.34
8000	1317	2.91	1343	3.11	1369	3.31	1394	3.5	1418	3.7	1442	3.9	1465	4.1	1487	4.31	1510	4.5	1532	4.7
9000	1411	3.5	1436	3.72	1460	3.94	1484	4.16	1507	4.38	1530	4.61	1552	4.83	1574	5.05	1596	5.27	1617	5.5
10000	1509	4.19	1532	4.43	1555	4.67	1577	4.91	1599	5.15	1621	5.4	1643	5.64	-	-	-	-	-	-
11000	1611	4.99	1633	5.25	1653	5.5	1674	5.76	-	-	-	-	-	-	-	-	-	-	-	-
12000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 24. Evaporator fan performance - 25 ton (model GSK), downflow, high static motor

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	996	1.09	1026	1.23	1055	1.38	1084	1.53	1113	1.69	1143	1.85	1172	2.01	1200	2.17	1227	2.34	1253	2.51
8000	1058	1.30	1087	1.46	1114	1.61	1142	1.77	1168	1.93	1196	2.10	1224	2.27	1251	2.44	1277	2.62	1303	2.80
9000	1183	1.81	1209	1.98	1234	2.15	1259	2.33	1283	2.51	1307	2.69	1330	2.87	1356	3.07	1380	3.26	1404	3.46
10000	1309	2.44	1333	2.63	1356	2.82	1378	3.01	1400	3.21	1422	3.41	1443	3.61	1464	3.81	1486	4.02	1509	4.23
11000	1436	3.21	1457	3.41	1478	3.62	1499	3.83	1519	4.05	1539	4.26	1559	4.48	1579	4.70	1598	4.92	1617	5.14
12000	1562	4.12	1582	4.34	1602	4.57	1621	4.80	1640	5.03	1658	5.26	1676	5.50	1695	5.74	1710	5.82	1725	6.05
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	1280	2.69	1305	2.87	1330	3.05	1354	3.23	1378	3.4	1401	3.58	1423	3.76	1445	3.94	1467	4.13	1489	4.31
8000	1327	2.97	1352	3.16	1377	3.35	1401	3.55	1424	3.74	1446	3.93	1468	4.12	1490	4.31	1511	4.5	1532	4.69
9000	1428	3.65	1451	3.85	1473	4.05	1495	4.25	1517	4.46	1539	4.68	1561	4.9	1582	5.11	1602	5.33	1622	5.54
10000	1531	4.45	1553	4.67	1574	4.88	1595	5.1	1616	5.32	1636	5.54	1655	5.77	1674	5.91	1693	6.16	1712	6.39
11000	1637	5.38	1658	5.61	1675	5.71	1695	5.95	1715	6.18	1733	6.4	1749	6.64	1766	6.71	1784	6.99	1802	7.24

Table 24. Evaporator fan performance - 25 ton (model GSK), downflow, high static motor (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12000	1743	6.31	1763	6.55	1776	6.54	1795	6.8	1814	7.04	1830	7.26	1843	7.51	1858	7.51	1875	7.82	1892	8.09

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

6 to 25 Tons — Horizontal

Figure 5. Fan curves — 6 to 8.5 tons (model GSK), horizontal

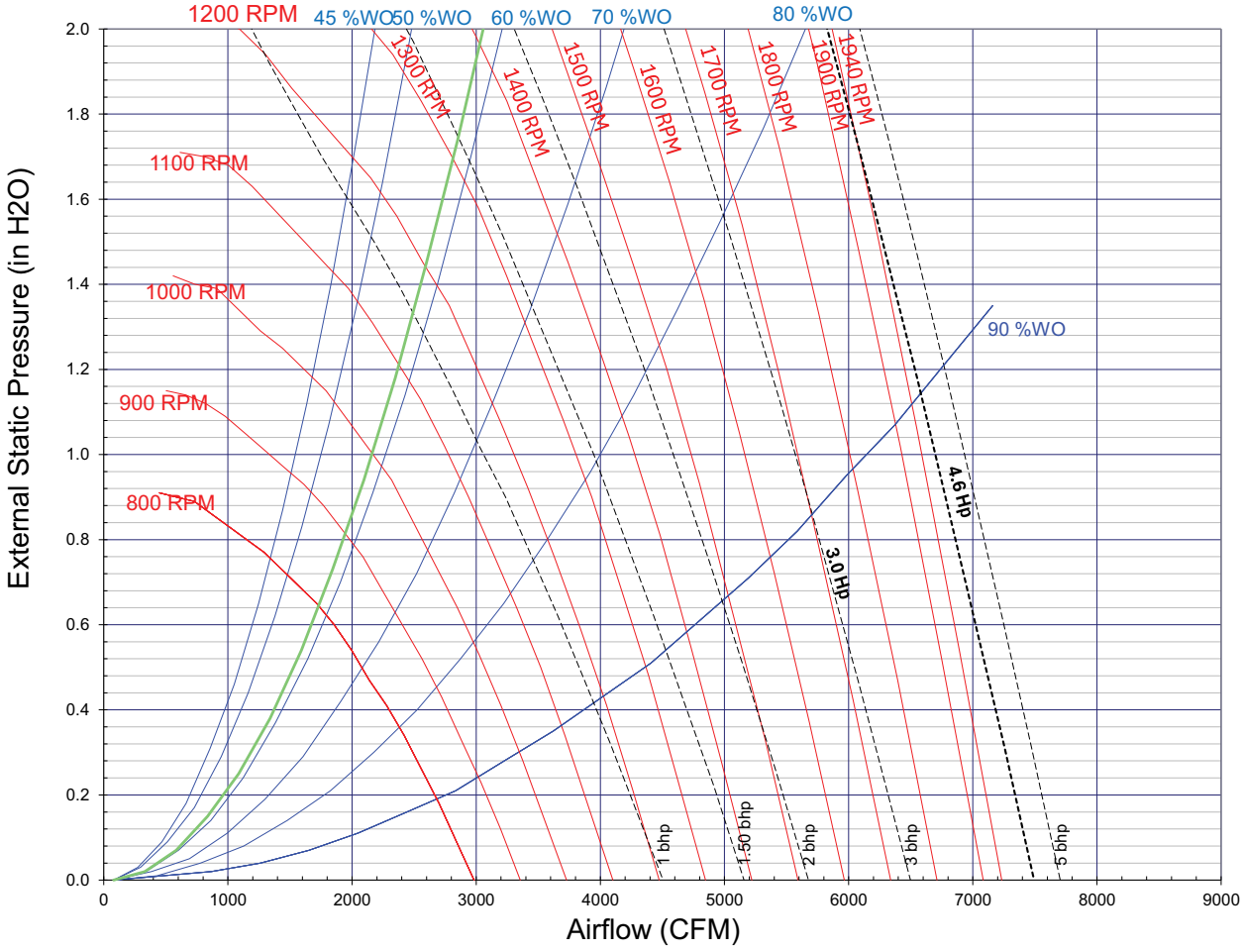


Table 25. Evaporator fan performance - 6 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	545	0.10	602	0.14	655	0.18	704	0.23	749	0.28	792	0.33	835	0.38	875	0.43	912	0.49	948	0.55
1920	574	0.12	627	0.16	679	0.20	727	0.25	771	0.30	811	0.35	852	0.41	892	0.46	929	0.52	965	0.58

Table 25. Evaporator fan performance - 6 ton (model GSK), horizontal (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2040	603	0.13	654	0.18	703	0.22	749	0.27	793	0.32	833	0.38	870	0.43	909	0.49	946	0.55	982	0.62
2160	632	0.15	681	0.20	728	0.25	772	0.30	815	0.35	855	0.41	892	0.46	927	0.52	964	0.59	999	0.65
2280	662	0.17	708	0.22	753	0.27	796	0.33	838	0.38	877	0.44	913	0.50	948	0.56	981	0.62	1016	0.69
2400	691	0.20	736	0.25	779	0.30	821	0.36	860	0.41	899	0.47	935	0.53	970	0.60	1002	0.66	1034	0.73
2520	721	0.22	764	0.28	806	0.33	846	0.39	884	0.45	922	0.51	958	0.57	992	0.64	1024	0.70	1055	0.77
2640	752	0.25	793	0.31	833	0.36	871	0.42	909	0.48	945	0.55	980	0.61	1014	0.68	1046	0.75	1076	0.82
2760	782	0.28	822	0.34	860	0.40	897	0.46	934	0.52	969	0.59	1003	0.65	1036	0.72	1068	0.79	1098	0.87
2880	813	0.32	851	0.37	888	0.43	924	0.50	959	0.56	993	0.63	1026	0.70	1059	0.77	1090	0.84	1120	0.92
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	984	0.61	1019	0.67	1054	0.74	1087	0.8	1119	0.87	1150	0.94	1180	1.01	1209	1.08	1237	1.15	1265	1.23
1920	999	0.64	1031	0.71	1066	0.77	1099	0.84	1131	0.91	1161	0.98	1191	1.05	1220	1.12	1249	1.2	1276	1.27
2040	1016	0.68	1048	0.74	1079	0.81	1111	0.88	1142	0.95	1173	1.02	1203	1.1	1232	1.17	1261	1.25	1288	1.32
2160	1033	0.72	1065	0.78	1096	0.85	1126	0.92	1155	0.99	1185	1.07	1215	1.14	1244	1.22	1272	1.3	1300	1.38
2280	1050	0.76	1082	0.82	1113	0.89	1143	0.97	1171	1.04	1199	1.11	1227	1.19	1256	1.27	1284	1.35	1312	1.43
2400	1067	0.8	1099	0.87	1130	0.94	1160	1.01	1188	1.09	1216	1.16	1243	1.24	1270	1.32	1296	1.4	1324	1.48
2520	1085	0.84	1117	0.91	1147	0.99	1177	1.06	1205	1.14	1233	1.22	1260	1.3	1286	1.38	1312	1.46	1337	1.54
2640	1106	0.89	1134	0.96	1165	1.04	1194	1.11	1223	1.19	1250	1.27	1277	1.35	1303	1.44	1329	1.52	1354	1.6
2760	1127	0.94	1156	1.01	1183	1.09	1212	1.17	1240	1.25	1268	1.33	1294	1.41	1320	1.5	1346	1.58	1371	1.67
2880	1149	0.99	1177	1.07	1204	1.14	1230	1.22	1258	1.31	1285	1.39	1312	1.47	1338	1.56	1363	1.65	1388	1.74

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 26. Evaporator fan performance - 7.5 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	654	0.17	702	0.22	747	0.27	790	0.32	832	0.37	871	0.43	908	0.49	943	0.55	977	0.61	1012	0.68
2400	691	0.20	736	0.25	779	0.30	821	0.36	860	0.41	899	0.47	935	0.53	970	0.60	1002	0.66	1034	0.73
2550	729	0.23	772	0.28	813	0.34	852	0.40	891	0.45	927	0.52	963	0.58	997	0.65	1029	0.71	1060	0.78
2700	767	0.27	808	0.32	847	0.38	884	0.44	921	0.50	957	0.57	991	0.63	1025	0.70	1057	0.77	1087	0.84
2850	805	0.31	844	0.37	881	0.43	917	0.49	953	0.55	987	0.62	1020	0.69	1053	0.76	1084	0.83	1115	0.90
3000	843	0.35	880	0.41	916	0.48	951	0.54	984	0.61	1018	0.68	1050	0.75	1082	0.82	1113	0.89	1142	0.97
3150	882	0.40	917	0.46	951	0.53	985	0.60	1017	0.67	1049	0.74	1081	0.81	1111	0.89	1141	0.96	1170	1.04
3300	921	0.46	954	0.52	987	0.59	1019	0.66	1051	0.73	1081	0.80	1112	0.88	1142	0.96	1170	1.04	1199	1.12
3600	998	0.58	1029	0.65	1060	0.72	1090	0.80	1119	0.87	1148	0.95	1176	1.03	1204	1.12	1231	1.20	1258	1.28
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	1045	0.75	1078	0.81	1109	0.88	1138	0.95	1167	1.03	1195	1.1	1224	1.18	1253	1.25	1281	1.33	1309	1.41
2400	1067	0.8	1099	0.87	1130	0.94	1160	1.01	1188	1.09	1216	1.16	1243	1.24	1270	1.32	1296	1.4	1324	1.48
2550	1090	0.85	1121	0.92	1152	1	1181	1.08	1210	1.15	1237	1.23	1264	1.31	1291	1.39	1316	1.47	1341	1.56

Table 26. Evaporator fan performance - 7.5 ton (model GSK), horizontal (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2700	1117	0.91	1145	0.99	1174	1.06	1203	1.14	1231	1.22	1259	1.3	1286	1.38	1312	1.47	1337	1.55	1362	1.64
2850	1144	0.98	1172	1.05	1199	1.13	1225	1.21	1253	1.29	1281	1.37	1307	1.46	1333	1.55	1359	1.63	1383	1.72
3000	1171	1.05	1199	1.13	1225	1.21	1251	1.29	1277	1.37	1303	1.45	1329	1.54	1355	1.63	1380	1.72	1405	1.81
3150	1199	1.12	1226	1.2	1253	1.28	1278	1.37	1303	1.45	1328	1.54	1351	1.62	1377	1.71	1402	1.81	1427	1.9
3300	1227	1.2	1254	1.28	1280	1.37	1306	1.45	1330	1.54	1354	1.63	1378	1.72	1401	1.81	1424	1.9	1448	1.99
3600	1284	1.37	1310	1.46	1336	1.55	1361	1.64	1385	1.73	1409	1.82	1432	1.92	1455	2.01	1477	2.11	1498	2.21

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 27. Evaporator fan performance - 8.5 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2550	729	0.23	772	0.28	813	0.34	852	0.40	891	0.45	927	0.52	963	0.58	997	0.65	1029	0.71	1060	0.78
2720	772	0.27	812	0.33	851	0.39	888	0.45	925	0.51	961	0.57	995	0.64	1029	0.71	1060	0.78	1091	0.85
2890	815	0.32	854	0.38	890	0.44	926	0.50	961	0.57	995	0.63	1028	0.70	1061	0.77	1092	0.85	1122	0.92
3060	859	0.37	895	0.43	930	0.50	964	0.56	997	0.63	1031	0.70	1062	0.77	1093	0.84	1124	0.92	1154	1.00
3230	903	0.43	937	0.49	971	0.56	1003	0.63	1035	0.70	1066	0.77	1097	0.85	1127	0.92	1156	1.00	1186	1.08
3400	946	0.49	979	0.56	1012	0.63	1042	0.70	1073	0.78	1103	0.85	1133	0.93	1162	1.01	1190	1.09	1218	1.17
3570	991	0.57	1022	0.64	1053	0.71	1082	0.78	1112	0.86	1141	0.94	1169	1.02	1198	1.10	1225	1.18	1252	1.27
3740	1035	0.64	1065	0.72	1094	0.79	1123	0.87	1151	0.95	1179	1.03	1207	1.11	1233	1.20	1261	1.28	1287	1.37
4080	1123	0.82	1151	0.90	1178	0.98	1205	1.06	1231	1.15	1257	1.23	1283	1.32	1308	1.41	1333	1.50	1358	1.60
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2550	1090	0.85	1121	0.92	1152	1	1181	1.08	1210	1.15	1237	1.23	1264	1.31	1291	1.39	1316	1.47	1341	1.56
2720	1120	0.92	1148	0.99	1177	1.07	1206	1.15	1234	1.23	1262	1.31	1289	1.39	1315	1.48	1340	1.56	1365	1.65
2890	1151	1	1179	1.07	1206	1.15	1232	1.23	1259	1.31	1287	1.39	1313	1.48	1339	1.57	1364	1.65	1389	1.74
3060	1182	1.08	1210	1.16	1236	1.24	1262	1.32	1287	1.4	1312	1.48	1338	1.57	1364	1.66	1389	1.75	1413	1.84
3230	1214	1.16	1241	1.24	1267	1.33	1293	1.41	1318	1.5	1342	1.58	1366	1.67	1389	1.76	1414	1.85	1438	1.95
3400	1246	1.25	1273	1.34	1299	1.43	1324	1.51	1349	1.6	1373	1.69	1396	1.78	1419	1.87	1441	1.97	1463	2.06
3570	1278	1.35	1305	1.44	1330	1.53	1355	1.62	1380	1.71	1403	1.8	1427	1.9	1449	1.99	1471	2.09	1493	2.18
3740	1312	1.46	1337	1.55	1363	1.64	1387	1.73	1411	1.83	1435	1.92	1458	2.02	1480	2.12	1502	2.22	1523	2.31
4080	1382	1.69	1406	1.79	1430	1.88	1452	1.98	1476	2.08	1499	2.18	1521	2.28	1543	2.39	1564	2.49	1585	2.6

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Figure 6. Fan curves — 10 tons (model GSK), horizontal

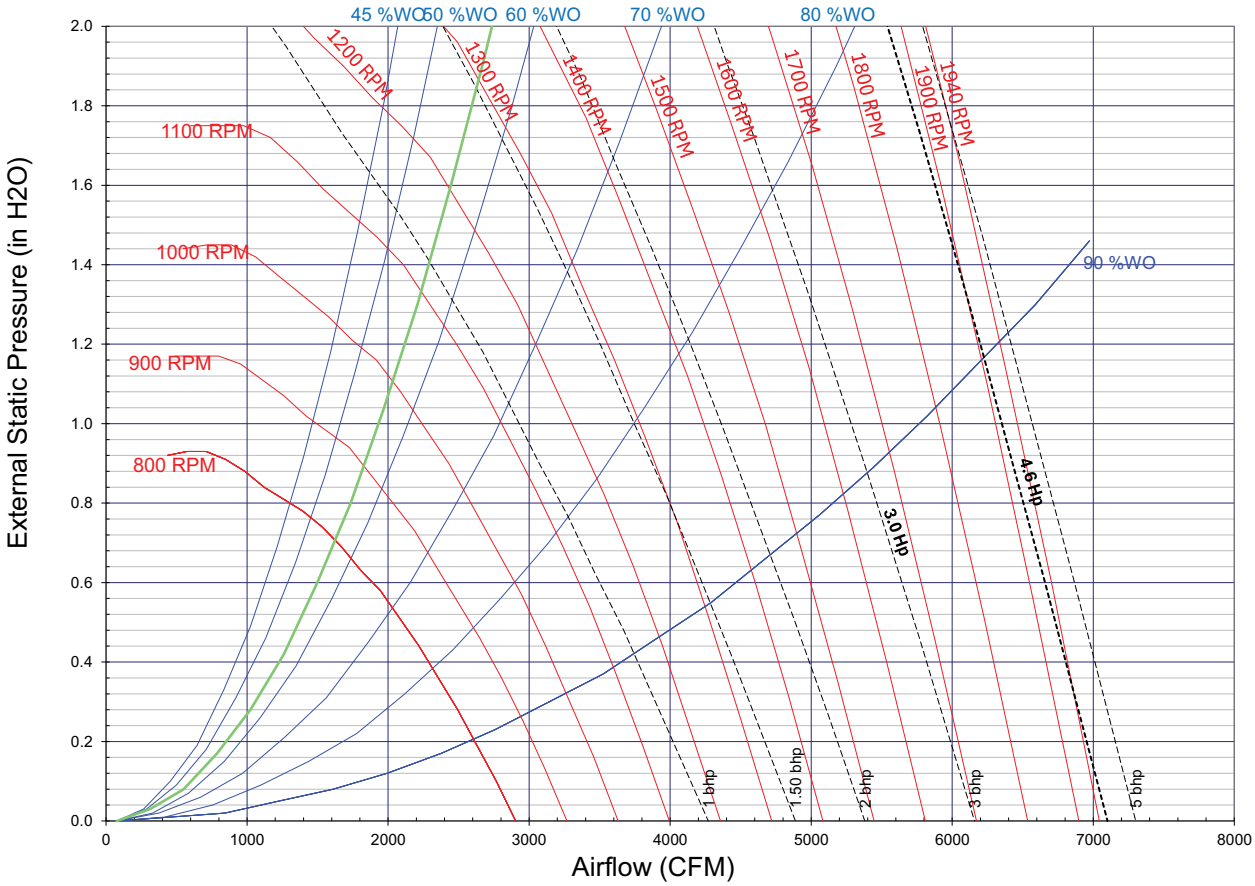


Table 28. Evaporator fan performance - 10 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	860	0.41	893	0.47	926	0.53	958	0.60	990	0.67	1020	0.74	1050	0.81	1080	0.88	1109	0.96	1137	1.03
3200	913	0.48	944	0.55	976	0.62	1005	0.69	1035	0.76	1064	0.83	1093	0.91	1121	0.98	1149	1.06	1176	1.14
3400	967	0.57	996	0.64	1025	0.71	1054	0.79	1081	0.86	1110	0.94	1137	1.02	1163	1.09	1190	1.18	1217	1.26
3600	1020	0.67	1048	0.74	1075	0.82	1103	0.89	1129	0.97	1156	1.05	1182	1.13	1208	1.22	1233	1.30	1258	1.39
3800	1073	0.78	1100	0.86	1126	0.93	1152	1.01	1178	1.10	1203	1.18	1228	1.26	1253	1.35	1277	1.44	1300	1.53
4000	1127	0.90	1153	0.98	1177	1.06	1202	1.15	1227	1.23	1251	1.32	1274	1.41	1298	1.50	1322	1.59	1345	1.68
4200	1181	1.03	1205	1.12	1229	1.20	1253	1.29	1276	1.38	1300	1.47	1322	1.56	1344	1.65	1367	1.75	1390	1.85
4400	1235	1.18	1258	1.27	1281	1.36	1303	1.45	1326	1.54	1349	1.64	1370	1.73	1392	1.83	1413	1.92	1435	2.02
4600	1289	1.34	1311	1.43	1333	1.52	1354	1.62	1376	1.72	1398	1.81	1419	1.91	1440	2.01	1460	2.11	1481	2.22
4800	1343	1.51	1365	1.61	1386	1.71	1406	1.80	1427	1.90	1448	2.01	1468	2.11	1488	2.21	1508	2.32	1527	2.42
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	1163	1.11	1189	1.18	1214	1.26	1238	1.34	1264	1.42	1290	1.51	1314	1.59	1339	1.68	1362	1.77	1385	1.86
3200	1203	1.22	1228	1.3	1253	1.38	1276	1.47	1300	1.55	1322	1.63	1347	1.72	1371	1.81	1394	1.9	1417	2
3400	1243	1.34	1268	1.43	1292	1.51	1315	1.6	1338	1.69	1361	1.77	1382	1.86	1404	1.95	1426	2.05	1449	2.14
3600	1283	1.48	1308	1.56	1332	1.65	1355	1.74	1377	1.84	1399	1.93	1421	2.02	1442	2.11	1463	2.21	1483	2.3
3800	1324	1.62	1348	1.71	1372	1.81	1395	1.9	1417	1.99	1439	2.09	1460	2.19	1481	2.28	1501	2.38	1521	2.48
4000	1367	1.78	1390	1.87	1413	1.97	1435	2.07	1457	2.16	1478	2.26	1499	2.36	1520	2.46	1540	2.57	1560	2.67

Table 28. Evaporator fan performance - 10 ton (model GSK), horizontal (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4200	1412	1.94	1433	2.04	1454	2.14	1476	2.24	1498	2.35	1519	2.45	1539	2.55	1560	2.66	1579	2.76	1599	2.87
4400	1456	2.13	1477	2.23	1498	2.33	1518	2.44	1539	2.54	1560	2.65	1580	2.76	1600	2.86	1619	2.97	1639	3.08
4600	1502	2.32	1522	2.43	1542	2.53	1562	2.64	1581	2.75	1601	2.86	1621	2.97	1640	3.08	1660	3.2	1679	3.31
4800	1548	2.53	1568	2.64	1587	2.75	1606	2.86	1625	2.97	1643	3.09	1662	3.2	1682	3.32	1701	3.43	1719	3.55

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat (MBh) = 2.7912 x fan bhp + 0.1388
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 29. Evaporator fan performance - 12.5 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3750	562	0.22	618	0.30	672	0.39	723	0.49	771	0.59	815	0.70	858	0.81	898	0.93	936	1.04	972	1.16
4000	592	0.25	646	0.34	696	0.44	745	0.54	792	0.65	835	0.76	877	0.87	916	0.99	954	1.11	990	1.24
4500	653	0.33	701	0.43	748	0.54	792	0.64	835	0.76	877	0.88	917	1.00	955	1.13	991	1.26	1027	1.39
5000	716	0.43	759	0.54	802	0.65	843	0.77	882	0.89	922	1.02	959	1.15	996	1.29	1031	1.43	1065	1.57
5500	779	0.55	819	0.67	858	0.79	896	0.92	933	1.04	969	1.17	1005	1.32	1039	1.46	1073	1.61	1106	1.76
6000	842	0.69	879	0.82	915	0.95	951	1.08	985	1.22	1020	1.36	1052	1.50	1085	1.66	1117	1.82	1149	1.98
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3750	1007	1.29	1042	1.42	1075	1.55	1107	1.69	1138	1.83	1168	1.97	1197	2.11	1225	2.26	1253	2.41	1280	2.56
4000	1024	1.36	1057	1.49	1090	1.63	1122	1.77	1153	1.91	1183	2.06	1212	2.21	1240	2.36	1268	2.51	1294	2.66
4500	1060	1.53	1093	1.67	1124	1.81	1155	1.95	1184	2.1	1213	2.25	1242	2.41	1270	2.56	1298	2.73	1324	2.89
5000	1098	1.71	1130	1.86	1161	2.01	1191	2.16	1220	2.32	1248	2.47	1275	2.63	1302	2.79	1328	2.96	1355	3.13
5500	1138	1.91	1169	2.07	1199	2.23	1228	2.39	1256	2.55	1284	2.72	1311	2.89	1338	3.06	1364	3.23	1389	3.4
6000	1180	2.14	1210	2.3	1239	2.47	1267	2.64	1295	2.81	1322	2.99	1348	3.16	1375	3.34	1400	3.52	1425	3.7

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 30. Evaporator fan performance - 15 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4500	653	0.33	701	0.43	748	0.54	792	0.64	835	0.76	877	0.88	917	1.00	955	1.13	991	1.26	1027	1.39
4800	690	0.39	736	0.49	780	0.60	822	0.72	863	0.83	903	0.96	942	1.09	979	1.22	1015	1.36	1049	1.50
5400	766	0.53	807	0.64	846	0.76	885	0.88	923	1.01	959	1.14	995	1.28	1030	1.43	1065	1.57	1098	1.72
6000	842	0.69	879	0.82	915	0.95	951	1.08	985	1.22	1020	1.36	1052	1.50	1085	1.66	1117	1.82	1149	1.98

Table 30. Evaporator fan performance - 15 ton (model GSK), horizontal (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6600	919	0.90	953	1.03	986	1.17	1019	1.32	1051	1.47	1082	1.62	1114	1.77	1144	1.93	1173	2.09	1203	2.26
7200	997	1.13	1028	1.28	1058	1.43	1089	1.59	1118	1.75	1148	1.91	1177	2.08	1205	2.25	1233	2.42	1261	2.59
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4500	1060	1.53	1093	1.67	1124	1.81	1155	1.95	1184	2.1	1213	2.25	1242	2.41	1270	2.56	1298	2.73	1324	2.89
4800	1083	1.64	1115	1.78	1146	1.93	1176	2.07	1205	2.23	1234	2.38	1261	2.53	1289	2.7	1316	2.86	1342	3.03
5400	1130	1.87	1161	2.03	1191	2.18	1220	2.34	1249	2.5	1277	2.67	1304	2.83	1331	3	1356	3.17	1382	3.34
6000	1180	2.14	1210	2.3	1239	2.47	1267	2.64	1295	2.81	1322	2.99	1348	3.16	1375	3.34	1400	3.52	1425	3.7
6600	1232	2.44	1261	2.61	1289	2.79	1317	2.97	1343	3.15	1370	3.34	1396	3.53	1421	3.71	1445	3.9	1469	4.1
7200	1288	2.77	1315	2.96	1342	3.15	1368	3.34	1394	3.53	1420	3.73	1445	3.92	1469	4.12	1493	4.33	1517	4.53

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 31. Evaporator fan performance - 17.5 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	747	0.49	789	0.60	830	0.72	869	0.84	907	0.96	945	1.09	981	1.23	1018	1.37	1052	1.52	1086	1.66
5600	791	0.58	831	0.70	869	0.82	907	0.95	943	1.08	979	1.21	1014	1.35	1048	1.50	1082	1.65	1115	1.80
6300	881	0.79	916	0.92	951	1.06	984	1.20	1018	1.34	1051	1.49	1083	1.63	1114	1.79	1145	1.95	1175	2.12
7000	971	1.05	1003	1.19	1034	1.34	1065	1.50	1096	1.65	1126	1.81	1155	1.97	1185	2.14	1213	2.30	1241	2.47
7700	1061	1.36	1091	1.52	1120	1.68	1148	1.85	1176	2.02	1204	2.19	1232	2.36	1258	2.54	1285	2.72	1312	2.90
8400	1153	1.74	1180	1.91	1207	2.08	1232	2.26	1259	2.44	1285	2.63	1310	2.82	1335	3.01	1360	3.20	1384	3.39
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	1118	1.81	1149	1.96	1179	2.12	1209	2.27	1238	2.43	1266	2.59	1293	2.76	1320	2.92	1346	3.09	1371	3.26
5600	1146	1.96	1177	2.12	1207	2.28	1235	2.44	1264	2.6	1292	2.77	1319	2.94	1345	3.11	1371	3.28	1396	3.46
6300	1206	2.28	1235	2.45	1264	2.63	1292	2.8	1319	2.98	1346	3.16	1372	3.34	1397	3.52	1422	3.71	1447	3.9
7000	1269	2.65	1297	2.84	1324	3.02	1351	3.21	1377	3.4	1403	3.59	1428	3.79	1453	3.98	1477	4.18	1501	4.38
7700	1337	3.08	1362	3.27	1388	3.47	1414	3.67	1438	3.87	1463	4.08	1487	4.29	1511	4.5	1535	4.71	1558	4.92
8400	1409	3.59	1433	3.79	1457	3.98	1480	4.19	1504	4.4	1527	4.62	1550	4.84	1572	5.06	1595	5.29	1617	5.51

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Evaporator Fan Performance

Table 32. Evaporator fan performance - 17.5 ton (model GSK), horizontal, high static motor

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	747	0.49	789	0.60	830	0.72	869	0.84	907	0.96	945	1.09	981	1.23	1018	1.37	1052	1.52	1086	1.66
5600	791	0.58	831	0.70	869	0.82	907	0.95	943	1.08	979	1.21	1014	1.35	1048	1.50	1082	1.65	1115	1.80
6300	881	0.79	916	0.92	951	1.06	984	1.20	1018	1.34	1051	1.49	1083	1.63	1114	1.79	1145	1.95	1175	2.12
7000	971	1.05	1003	1.19	1034	1.34	1065	1.50	1096	1.65	1126	1.81	1155	1.97	1185	2.14	1213	2.30	1241	2.47
7700	1061	1.36	1091	1.52	1120	1.68	1148	1.85	1176	2.02	1204	2.19	1232	2.36	1258	2.54	1285	2.72	1312	2.90
8400	1153	1.74	1180	1.91	1207	2.08	1232	2.26	1259	2.44	1285	2.63	1310	2.82	1335	3.01	1360	3.20	1384	3.39
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5250	1118	1.81	1149	1.96	1179	2.12	1209	2.27	1238	2.43	1266	2.59	1293	2.76	1320	2.92	1346	3.09	1371	3.26
5600	1146	1.96	1177	2.12	1207	2.28	1235	2.44	1264	2.6	1292	2.77	1319	2.94	1345	3.11	1371	3.28	1396	3.46
6300	1206	2.28	1235	2.45	1264	2.63	1292	2.8	1319	2.98	1346	3.16	1372	3.34	1397	3.52	1422	3.71	1447	3.9
7000	1269	2.65	1297	2.84	1324	3.02	1351	3.21	1377	3.4	1403	3.59	1428	3.79	1453	3.98	1477	4.18	1501	4.38
7700	1337	3.08	1362	3.27	1388	3.47	1414	3.67	1438	3.87	1463	4.08	1487	4.29	1511	4.5	1535	4.71	1558	4.92
8400	1409	3.59	1433	3.79	1457	3.98	1480	4.19	1504	4.4	1527	4.62	1550	4.84	1572	5.06	1595	5.29	1617	5.51

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 33. Evaporator fan performance - 20 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	810	0.60	847	0.72	883	0.84	920	0.97	956	1.10	989	1.23	1022	1.37	1054	1.52	1085	1.66	1114	1.80
6400	860	0.71	894	0.84	928	0.96	962	1.10	997	1.23	1029	1.37	1061	1.52	1092	1.67	1122	1.82	1150	1.98
7200	958	0.98	990	1.11	1020	1.26	1050	1.40	1081	1.55	1112	1.71	1141	1.86	1169	2.02	1197	2.18	1225	2.35
8000	1058	1.30	1087	1.46	1114	1.61	1142	1.77	1168	1.93	1196	2.10	1224	2.27	1251	2.44	1277	2.62	1303	2.80
8800	1158	1.70	1185	1.87	1210	2.04	1235	2.21	1260	2.38	1284	2.56	1309	2.74	1335	2.93	1359	3.12	1384	3.32
9600	1259	2.17	1283	2.35	1307	2.54	1330	2.72	1353	2.91	1376	3.11	1398	3.30	1420	3.50	1444	3.70	1467	3.91
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	1142	1.94	1170	2.09	1197	2.24	1223	2.39	1250	2.54	1276	2.7	1302	2.86	1327	3.02	1352	3.19	1377	3.36
6400	1178	2.13	1204	2.28	1231	2.43	1256	2.59	1282	2.75	1306	2.91	1331	3.07	1356	3.24	1381	3.41	1404	3.59
7200	1252	2.53	1278	2.7	1303	2.87	1327	3.04	1350	3.21	1374	3.39	1397	3.56	1420	3.74	1442	3.92	1464	4.09
8000	1327	2.97	1352	3.16	1377	3.35	1401	3.55	1424	3.74	1446	3.93	1468	4.12	1490	4.31	1511	4.5	1532	4.69
8800	1407	3.51	1431	3.7	1453	3.9	1476	4.1	1498	4.31	1520	4.52	1542	4.74	1563	4.95	1584	5.15	1604	5.36

Table 33. Evaporator fan performance - 20 ton (model GSK), horizontal (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9600	1490	4.12	1512	4.33	1533	4.53	1555	4.75	1575	4.96	1596	5.17	1617	5.4	1637	5.63	-	-	-	-

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 34. Evaporator fan performance - 20 ton (model GSK), horizontal, high static motor

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	810	0.60	847	0.72	883	0.84	920	0.97	956	1.10	989	1.23	1022	1.37	1054	1.52	1085	1.66	1114	1.80
6400	860	0.71	894	0.84	928	0.96	962	1.10	997	1.23	1029	1.37	1061	1.52	1092	1.67	1122	1.82	1150	1.98
7200	958	0.98	990	1.11	1020	1.26	1050	1.40	1081	1.55	1112	1.71	1141	1.86	1169	2.02	1197	2.18	1225	2.35
8000	1058	1.30	1087	1.46	1114	1.61	1142	1.77	1168	1.93	1196	2.10	1224	2.27	1251	2.44	1277	2.62	1303	2.80
8800	1158	1.70	1185	1.87	1210	2.04	1235	2.21	1260	2.38	1284	2.56	1309	2.74	1335	2.93	1359	3.12	1384	3.32
9600	1259	2.17	1283	2.35	1307	2.54	1330	2.72	1353	2.91	1376	3.11	1398	3.30	1420	3.50	1444	3.70	1467	3.91
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	1142	1.94	1170	2.09	1197	2.24	1223	2.39	1250	2.54	1276	2.7	1302	2.86	1327	3.02	1352	3.19	1377	3.36
6400	1178	2.13	1204	2.28	1231	2.43	1256	2.59	1282	2.75	1306	2.91	1331	3.07	1356	3.24	1381	3.41	1404	3.59
7200	1252	2.53	1278	2.7	1303	2.87	1327	3.04	1350	3.21	1374	3.39	1397	3.56	1420	3.74	1442	3.92	1464	4.09
8000	1327	2.97	1352	3.16	1377	3.35	1401	3.55	1424	3.74	1446	3.93	1468	4.12	1490	4.31	1511	4.5	1532	4.69
8800	1407	3.51	1431	3.7	1453	3.9	1476	4.1	1498	4.31	1520	4.52	1542	4.74	1563	4.95	1584	5.15	1604	5.36
9600	1490	4.12	1512	4.33	1533	4.53	1555	4.75	1575	4.96	1596	5.17	1617	5.4	1637	5.63	1657	5.8	1676	6.03

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 35. Evaporator fan performance - 25 ton (model GSK), horizontal

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	996	1.09	1026	1.23	1055	1.38	1084	1.53	1113	1.69	1143	1.85	1172	2.01	1200	2.17	1227	2.34	1253	2.51
8000	1058	1.30	1087	1.46	1114	1.61	1142	1.77	1168	1.93	1196	2.10	1224	2.27	1251	2.44	1277	2.62	1303	2.80
9000	1183	1.81	1209	1.98	1234	2.15	1259	2.33	1283	2.51	1307	2.69	1330	2.87	1356	3.07	1380	3.26	1404	3.46
10000	1309	2.44	1333	2.63	1356	2.82	1378	3.01	1400	3.21	1422	3.41	1443	3.61	1464	3.81	1486	4.02	1509	4.23
11000	1436	3.21	1457	3.41	1478	3.62	1499	3.83	1519	4.05	1539	4.26	1559	4.48	1579	4.70	1598	4.92	1617	5.14
12000	1562	4.12	1582	4.34	1602	4.57	1621	4.80	1640	5.03	1658	5.26	1676	5.50	1695	5.74	-	-	-	-

Evaporator Fan Performance

Table 35. Evaporator fan performance - 25 ton (model GSK), horizontal (continued)

Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	1280	2.69	1305	2.87	1330	3.05	1354	3.23	1378	3.4	1401	3.58	1423	3.76	1445	3.94	1467	4.13	1489	4.31
8000	1327	2.97	1352	3.16	1377	3.35	1401	3.55	1424	3.74	1446	3.93	1468	4.12	1490	4.31	1511	4.5	1532	4.69
9000	1428	3.65	1451	3.85	1473	4.05	1495	4.25	1517	4.46	1539	4.68	1561	4.9	1582	5.11	1602	5.33	1622	5.54
10000	1531	4.45	1553	4.67	1574	4.88	1595	5.1	1616	5.32	1636	5.54	1655	5.77	-	-	-	-	-	-
11000	1637	5.38	1658	5.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Table 36. Evaporator fan performance - 25 ton (model GSK), horizontal, high static motor

Available External Static Pressure (Inches of Water Gauge)																				
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	996	1.09	1026	1.23	1055	1.38	1084	1.53	1113	1.69	1143	1.85	1172	2.01	1200	2.17	1227	2.34	1253	2.51
8000	1058	1.30	1087	1.46	1114	1.61	1142	1.77	1168	1.93	1196	2.10	1224	2.27	1251	2.44	1277	2.62	1303	2.80
9000	1183	1.81	1209	1.98	1234	2.15	1259	2.33	1283	2.51	1307	2.69	1330	2.87	1356	3.07	1380	3.26	1404	3.46
10000	1309	2.44	1333	2.63	1356	2.82	1378	3.01	1400	3.21	1422	3.41	1443	3.61	1464	3.81	1486	4.02	1509	4.23
11000	1436	3.21	1457	3.41	1478	3.62	1499	3.83	1519	4.05	1539	4.26	1559	4.48	1579	4.70	1598	4.92	1617	5.14
12000	1562	4.12	1582	4.34	1602	4.57	1621	4.80	1640	5.03	1658	5.26	1676	5.50	1695	5.74	1710	5.82	1725	6.05
Available External Static Pressure (Inches of Water Gauge)																				
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	1280	2.69	1305	2.87	1330	3.05	1354	3.23	1378	3.4	1401	3.58	1423	3.76	1445	3.94	1467	4.13	1489	4.31
8000	1327	2.97	1352	3.16	1377	3.35	1401	3.55	1424	3.74	1446	3.93	1468	4.12	1490	4.31	1511	4.5	1532	4.69
9000	1428	3.65	1451	3.85	1473	4.05	1495	4.25	1517	4.46	1539	4.68	1561	4.9	1582	5.11	1602	5.33	1622	5.54
10000	1531	4.45	1553	4.67	1574	4.88	1595	5.1	1616	5.32	1636	5.54	1655	5.77	1674	5.91	1693	6.16	1712	6.39
11000	1637	5.38	1658	5.61	1675	5.71	1695	5.95	1715	6.18	1733	6.4	1749	6.64	1766	6.71	1784	6.99	1802	7.24
12000	1743	6.31	1763	6.55	1776	6.54	1795	6.8	1814	7.04	1830	7.26	1843	7.51	1858	7.51	1875	7.82	1892	8.09

Notes:

1. Available External Static Pressure is the static pressure difference between the return duct and the supply duct plus the static pressure drop caused by accessories and options.
2. For direct drive evaporator fan speed (rpm), refer to the applicable table in the fan performance section.
3. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
4. To determine static pressure drop due to other options/accessories, refer to the applicable table in the fan performance section.
5. Direct drive fan motor heat is negligible.
6. Factory supplied motors, in commercial equipment, are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tabular data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

Corrections

Table 37. CFM corrections

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK036	960	0.96	0.87	1.00	0.97	1.11
GSK036	972	0.96	0.88	1.00	0.97	1.10
GSK036	984	0.96	0.89	1.00	0.98	1.09

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK036	996	0.97	0.89	1.00	0.98	1.09
GSK036	1008	0.97	0.90	1.00	0.98	1.08
GSK036	1020	0.97	0.91	1.00	0.98	1.07
GSK036	1032	0.97	0.91	1.00	0.98	1.07
GSK036	1044	0.97	0.92	1.00	0.98	1.06
GSK036	1056	0.98	0.93	1.00	0.99	1.06
GSK036	1068	0.98	0.93	1.00	0.99	1.05
GSK036	1080	0.98	0.94	1.00	0.99	1.05
GSK036	1092	0.98	0.94	1.00	0.99	1.04
GSK036	1104	0.98	0.95	1.00	0.99	1.04
GSK036	1116	0.99	0.96	1.00	0.99	1.03
GSK036	1128	0.99	0.96	1.00	0.99	1.03
GSK036	1140	0.99	0.97	1.00	0.99	1.02
GSK036	1152	0.99	0.98	1.00	1.00	1.02
GSK036	1164	0.99	0.98	1.00	1.00	1.01
GSK036	1176	1.00	0.99	1.00	1.00	1.01
GSK036	1188	1.00	0.99	1.00	1.00	1.00
GSK036	1200	1.00	1.00	1.00	1.00	1.00
GSK036	1212	1.00	1.01	1.00	1.00	1.00
GSK036	1224	1.00	1.01	1.00	1.00	0.99
GSK036	1236	1.01	1.02	1.00	1.00	0.99
GSK036	1248	1.01	1.02	1.00	1.00	0.98
GSK036	1248	1.01	1.02	1.00	1.00	0.98
GSK036	1272	1.01	1.04	1.00	1.01	0.98
GSK036	1284	1.01	1.04	1.00	1.01	0.97
GSK036	1296	1.01	1.05	1.00	1.01	0.97
GSK036	1308	1.01	1.06	1.00	1.01	0.97
GSK036	1320	1.02	1.06	1.00	1.01	0.96
GSK036	1332	1.02	1.07	1.00	1.01	0.96
GSK036	1344	1.02	1.07	1.00	1.01	0.96
GSK036	1356	1.02	1.08	1.00	1.01	0.95
GSK036	1368	1.02	1.09	1.00	1.01	0.95
GSK036	1380	1.02	1.09	1.00	1.01	0.95
GSK036	1392	1.03	1.10	1.00	1.01	0.94
GSK036	1404	1.03	1.10	1.00	1.02	0.94
GSK036	1416	1.03	1.11	1.00	1.02	0.94
GSK036	1428	1.03	1.12	1.00	1.02	0.94
GSK036	1440	1.03	1.12	1.00	1.02	0.93
GSK048	1280	0.96	0.87	1.00	0.98	1.10
GSK048	1296	0.96	0.88	1.00	0.98	1.10
GSK048	1312	0.96	0.89	1.00	0.98	1.09
GSK048	1328	0.97	0.89	1.00	0.98	1.08
GSK048	1344	0.97	0.90	1.00	0.98	1.08
GSK048	1360	0.97	0.91	1.00	0.98	1.07
GSK048	1376	0.97	0.91	1.00	0.98	1.07
GSK048	1392	0.97	0.92	1.00	0.99	1.06
GSK048	1408	0.98	0.92	1.00	0.99	1.06
GSK048	1424	0.98	0.93	1.00	0.99	1.05
GSK048	1440	0.98	0.94	1.00	0.99	1.05

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK048	1456	0.98	0.94	1.00	0.99	1.04
GSK048	1472	0.98	0.95	1.00	0.99	1.04
GSK048	1488	0.99	0.96	1.00	0.99	1.03
GSK048	1504	0.99	0.96	1.00	0.99	1.03
GSK048	1520	0.99	0.97	1.00	0.99	1.02
GSK048	1536	0.99	0.97	1.00	1.00	1.02
GSK048	1552	0.99	0.98	1.00	1.00	1.01
GSK048	1568	1.00	0.99	1.00	1.00	1.01
GSK048	1584	1.00	0.99	1.00	1.00	1.00
GSK048	1600	1.00	1.00	1.00	1.00	1.00
GSK048	1616	1.00	1.01	1.00	1.00	1.00
GSK048	1632	1.00	1.01	1.00	1.00	0.99
GSK048	1648	1.01	1.02	1.00	1.00	0.99
GSK048	1664	1.01	1.02	1.00	1.00	0.98
GSK048	1664	1.01	1.02	1.00	1.00	0.98
GSK048	1696	1.01	1.04	1.00	1.01	0.98
GSK048	1712	1.01	1.04	1.00	1.01	0.97
GSK048	1728	1.01	1.05	1.00	1.01	0.97
GSK048	1744	1.01	1.06	1.00	1.01	0.97
GSK048	1760	1.01	1.06	1.00	1.01	0.96
GSK048	1776	1.02	1.07	1.00	1.01	0.96
GSK048	1792	1.02	1.07	1.00	1.01	0.96
GSK048	1808	1.02	1.08	1.00	1.01	0.95
GSK048	1824	1.02	1.08	1.00	1.01	0.95
GSK048	1840	1.02	1.09	1.00	1.01	0.95
GSK048	1856	1.03	1.10	1.00	1.01	0.95
GSK048	1872	1.03	1.10	1.00	1.01	0.94
GSK048	1888	1.03	1.11	1.00	1.01	0.94
GSK048	1904	1.03	1.11	1.00	1.02	0.94
GSK048	1920	1.03	1.12	1.00	1.02	0.93
GSK060	1600	0.96	0.87	1.00	0.98	1.10
GSK060	1620	0.96	0.88	1.00	0.98	1.10
GSK060	1640	0.97	0.89	1.00	0.98	1.09
GSK060	1660	0.97	0.89	1.00	0.98	1.08
GSK060	1680	0.97	0.90	1.00	0.98	1.08
GSK060	1700	0.97	0.91	1.00	0.99	1.07
GSK060	1720	0.97	0.91	1.00	0.99	1.07
GSK060	1740	0.98	0.92	1.00	0.99	1.06
GSK060	1760	0.98	0.92	1.00	0.99	1.05
GSK060	1780	0.98	0.93	1.00	0.99	1.05
GSK060	1800	0.98	0.94	1.00	0.99	1.04
GSK060	1820	0.98	0.94	1.00	0.99	1.04
GSK060	1840	0.99	0.95	1.00	0.99	1.03
GSK060	1860	0.99	0.96	1.00	0.99	1.03
GSK060	1880	0.99	0.96	1.00	0.99	1.03
GSK060	1900	0.99	0.97	1.00	1.00	1.02
GSK060	1920	0.99	0.97	1.00	1.00	1.02
GSK060	1940	0.99	0.98	1.00	1.00	1.01
GSK060	1960	1.00	0.99	1.00	1.00	1.01

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK060	1980	1.00	0.99	1.00	1.00	1.00
GSK060	2000	1.00	1.00	1.00	1.00	1.00
GSK060	2020	1.00	1.01	1.00	1.00	1.00
GSK060	2040	1.00	1.01	1.00	1.00	0.99
GSK060	2060	1.00	1.02	1.00	1.00	0.99
GSK060	2080	1.01	1.02	1.00	1.00	0.98
GSK060	2080	1.01	1.02	1.00	1.00	0.98
GSK060	2120	1.01	1.04	1.00	1.00	0.98
GSK060	2140	1.01	1.04	1.00	1.01	0.97
GSK060	2160	1.01	1.05	1.00	1.01	0.97
GSK060	2180	1.01	1.06	1.00	1.01	0.97
GSK060	2200	1.02	1.06	1.00	1.01	0.96
GSK060	2220	1.02	1.07	1.00	1.01	0.96
GSK060	2240	1.02	1.07	1.00	1.01	0.96
GSK060	2260	1.02	1.08	1.00	1.01	0.96
GSK060	2280	1.02	1.09	1.00	1.01	0.95
GSK060	2300	1.02	1.09	1.00	1.01	0.95
GSK060	2320	1.02	1.10	1.00	1.01	0.95
GSK060	2340	1.03	1.11	1.00	1.01	0.94
GSK060	2360	1.03	1.11	1.00	1.01	0.94
GSK060	2380	1.03	1.12	1.00	1.01	0.94
GSK060	2400	1.03	1.12	1.00	1.01	0.94
GSK072	1920	0.96	0.87	1.00	0.98	1.10
GSK072	1944	0.96	0.88	1.00	0.98	1.09
GSK072	1968	0.96	0.89	1.00	0.98	1.09
GSK072	1992	0.96	0.89	1.00	0.98	1.08
GSK072	2016	0.97	0.90	1.00	0.98	1.07
GSK072	2040	0.97	0.91	1.00	0.98	1.07
GSK072	2064	0.97	0.91	1.00	0.99	1.06
GSK072	2088	0.97	0.92	1.00	0.99	1.06
GSK072	2112	0.98	0.93	1.00	0.99	1.05
GSK072	2136	0.98	0.93	1.00	0.99	1.05
GSK072	2160	0.98	0.94	1.00	0.99	1.04
GSK072	2184	0.98	0.94	1.00	0.99	1.04
GSK072	2208	0.98	0.95	1.00	0.99	1.03
GSK072	2232	0.99	0.96	1.00	0.99	1.03
GSK072	2256	0.99	0.96	1.00	0.99	1.02
GSK072	2280	0.99	0.97	1.00	1.00	1.02
GSK072	2304	0.99	0.98	1.00	1.00	1.02
GSK072	2328	0.99	0.98	1.00	1.00	1.01
GSK072	2352	1.00	0.99	1.00	1.00	1.01
GSK072	2376	1.00	0.99	1.00	1.00	1.00
GSK072	2400	1.00	1.00	1.00	1.00	1.00
GSK072	2424	1.00	1.01	1.00	1.00	1.00
GSK072	2448	1.00	1.01	1.00	1.00	0.99
GSK072	2472	1.01	1.02	1.00	1.00	0.99
GSK072	2496	1.01	1.02	1.00	1.00	0.99
GSK072	2496	1.01	1.02	1.00	1.00	0.99
GSK072	2544	1.01	1.04	1.00	1.01	0.98

Evaporator Fan Performance

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK072	2568	1.01	1.04	1.00	1.01	0.98
GSK072	2592	1.01	1.05	1.00	1.01	0.97
GSK072	2616	1.02	1.06	1.00	1.01	0.97
GSK072	2640	1.02	1.06	1.00	1.01	0.97
GSK072	2664	1.02	1.07	1.00	1.01	0.96
GSK072	2688	1.02	1.07	1.00	1.01	0.96
GSK072	2712	1.02	1.08	1.00	1.01	0.96
GSK072	2736	1.02	1.09	1.00	1.01	0.95
GSK072	2760	1.03	1.09	1.00	1.01	0.95
GSK072	2784	1.03	1.10	1.00	1.01	0.95
GSK072	2808	1.03	1.10	1.00	1.01	0.95
GSK072	2832	1.03	1.11	1.00	1.01	0.94
GSK072	2856	1.03	1.12	1.00	1.01	0.94
GSK072	2880	1.04	1.12	1.00	1.01	0.94
GSK090	2400	0.96	0.87	1.00	0.98	1.09
GSK090	2430	0.96	0.88	1.00	0.98	1.09
GSK090	2460	0.96	0.89	1.00	0.98	1.08
GSK090	2490	0.97	0.89	1.00	0.99	1.08
GSK090	2520	0.97	0.90	1.00	0.99	1.07
GSK090	2550	0.97	0.91	1.00	0.99	1.07
GSK090	2580	0.97	0.91	1.00	0.99	1.06
GSK090	2610	0.97	0.92	1.00	0.99	1.06
GSK090	2640	0.98	0.92	1.00	0.99	1.05
GSK090	2670	0.98	0.93	1.00	0.99	1.05
GSK090	2700	0.98	0.94	1.00	0.99	1.04
GSK090	2730	0.98	0.94	1.00	0.99	1.04
GSK090	2760	0.98	0.95	1.00	0.99	1.03
GSK090	2790	0.99	0.96	1.00	0.99	1.03
GSK090	2820	0.99	0.96	1.00	1.00	1.02
GSK090	2850	0.99	0.97	1.00	1.00	1.02
GSK090	2880	0.99	0.98	1.00	1.00	1.02
GSK090	2910	0.99	0.98	1.00	1.00	1.01
GSK090	2940	0.99	0.99	1.00	1.00	1.01
GSK090	2970	1.00	0.99	1.00	1.00	1.00
GSK090	3000	1.00	1.00	1.00	1.00	1.00
GSK090	3030	1.00	1.01	1.00	1.00	1.00
GSK090	3060	1.00	1.01	1.00	1.00	0.99
GSK090	3090	1.01	1.02	1.00	1.00	0.99
GSK090	3120	1.01	1.02	1.00	1.00	0.99
GSK090	3120	1.01	1.02	1.00	1.00	0.99
GSK090	3180	1.01	1.04	1.00	1.00	0.98
GSK090	3210	1.01	1.04	1.00	1.00	0.98
GSK090	3240	1.01	1.05	1.00	1.01	0.97
GSK090	3270	1.02	1.06	1.00	1.01	0.97
GSK090	3300	1.02	1.06	1.00	1.01	0.97
GSK090	3330	1.02	1.07	1.00	1.01	0.96
GSK090	3360	1.02	1.07	1.00	1.01	0.96
GSK090	3390	1.02	1.08	1.00	1.01	0.96
GSK090	3420	1.02	1.09	1.00	1.01	0.96

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK090	3450	1.02	1.09	1.00	1.01	0.95
GSK090	3480	1.03	1.10	1.00	1.01	0.95
GSK090	3510	1.03	1.11	1.00	1.01	0.95
GSK090	3540	1.03	1.11	1.00	1.01	0.95
GSK090	3570	1.03	1.12	1.00	1.01	0.94
GSK090	3600	1.03	1.12	1.00	1.01	0.94
GSK102	2720	0.96	0.88	1.00	0.98	1.09
GSK102	2754	0.96	0.88	1.00	0.98	1.08
GSK102	2788	0.96	0.89	1.00	0.98	1.08
GSK102	2822	0.96	0.90	1.00	0.98	1.07
GSK102	2856	0.97	0.90	1.00	0.98	1.07
GSK102	2890	0.97	0.91	1.00	0.99	1.06
GSK102	2924	0.97	0.91	1.00	0.99	1.06
GSK102	2958	0.97	0.92	1.00	0.99	1.05
GSK102	2992	0.97	0.93	1.00	0.99	1.05
GSK102	3026	0.98	0.93	1.00	0.99	1.04
GSK102	3060	0.98	0.94	1.00	0.99	1.04
GSK102	3094	0.98	0.95	1.00	0.99	1.04
GSK102	3128	0.98	0.95	1.00	0.99	1.03
GSK102	3162	0.99	0.96	1.00	0.99	1.03
GSK102	3196	0.99	0.96	1.00	0.99	1.02
GSK102	3230	0.99	0.97	1.00	1.00	1.02
GSK102	3264	0.99	0.98	1.00	1.00	1.01
GSK102	3298	0.99	0.98	1.00	1.00	1.01
GSK102	3332	1.00	0.99	1.00	1.00	1.01
GSK102	3366	1.00	0.99	1.00	1.00	1.00
GSK102	3400	1.00	1.00	1.00	1.00	1.00
GSK102	3434	1.00	1.01	1.00	1.00	1.00
GSK102	3468	1.00	1.01	1.00	1.00	0.99
GSK102	3502	1.01	1.02	1.00	1.00	0.99
GSK102	3536	1.01	1.02	1.00	1.00	0.99
GSK102	3536	1.01	1.02	1.00	1.00	0.99
GSK102	3604	1.01	1.04	1.00	1.00	0.98
GSK102	3638	1.01	1.04	1.00	1.01	0.98
GSK102	3672	1.01	1.05	1.00	1.01	0.97
GSK102	3706	1.02	1.05	1.00	1.01	0.97
GSK102	3740	1.02	1.06	1.00	1.01	0.97
GSK102	3774	1.02	1.07	1.00	1.01	0.97
GSK102	3808	1.02	1.07	1.00	1.01	0.96
GSK102	3842	1.02	1.08	1.00	1.01	0.96
GSK102	3876	1.02	1.08	1.00	1.01	0.96
GSK102	3910	1.03	1.09	1.00	1.01	0.96
GSK102	3944	1.03	1.09	1.00	1.01	0.95
GSK102	3978	1.03	1.10	1.00	1.01	0.95
GSK102	4012	1.03	1.11	1.00	1.01	0.95
GSK102	4046	1.03	1.11	1.00	1.01	0.95
GSK102	4080	1.03	1.12	1.00	1.01	0.94
GSK120	3200	0.96	0.88	1.00	0.98	1.09
GSK120	3240	0.96	0.88	1.00	0.98	1.09

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK120	3280	0.96	0.89	1.00	0.98	1.08
GSK120	3320	0.97	0.90	1.00	0.98	1.07
GSK120	3360	0.97	0.90	1.00	0.98	1.07
GSK120	3400	0.97	0.91	1.00	0.98	1.06
GSK120	3440	0.97	0.91	1.00	0.98	1.06
GSK120	3480	0.98	0.92	1.00	0.99	1.05
GSK120	3520	0.98	0.93	1.00	0.99	1.05
GSK120	3560	0.98	0.93	1.00	0.99	1.04
GSK120	3600	0.98	0.94	1.00	0.99	1.04
GSK120	3640	0.98	0.94	1.00	0.99	1.04
GSK120	3680	0.99	0.95	1.00	0.99	1.03
GSK120	3720	0.99	0.96	1.00	0.99	1.03
GSK120	3760	0.99	0.96	1.00	0.99	1.02
GSK120	3800	0.99	0.97	1.00	1.00	1.02
GSK120	3840	0.99	0.98	1.00	1.00	1.01
GSK120	3880	0.99	0.98	1.00	1.00	1.01
GSK120	3920	1.00	0.99	1.00	1.00	1.01
GSK120	3960	1.00	0.99	1.00	1.00	1.00
GSK120	4000	1.00	1.00	1.00	1.00	1.00
GSK120	4040	1.00	1.01	1.00	1.00	1.00
GSK120	4080	1.00	1.01	1.00	1.00	0.99
GSK120	4120	1.00	1.02	1.00	1.00	0.99
GSK120	4160	1.01	1.02	1.00	1.00	0.99
GSK120	4160	1.01	1.02	1.00	1.00	0.99
GSK120	4240	1.01	1.04	1.00	1.01	0.98
GSK120	4280	1.01	1.04	1.00	1.01	0.98
GSK120	4320	1.01	1.05	1.00	1.01	0.97
GSK120	4360	1.01	1.05	1.00	1.01	0.97
GSK120	4400	1.02	1.06	1.00	1.01	0.97
GSK120	4440	1.02	1.07	1.00	1.01	0.96
GSK120	4480	1.02	1.07	1.00	1.01	0.96
GSK120	4520	1.02	1.08	1.00	1.01	0.96
GSK120	4560	1.02	1.08	1.00	1.01	0.96
GSK120	4600	1.02	1.09	1.00	1.01	0.95
GSK120	4640	1.02	1.09	1.00	1.01	0.95
GSK120	4680	1.03	1.10	1.00	1.01	0.95
GSK120	4720	1.03	1.11	1.00	1.01	0.95
GSK120	4760	1.03	1.11	1.00	1.02	0.94
GSK120	4800	1.03	1.12	1.00	1.02	0.94
GSK150	4000	0.96	0.89	1.00	0.98	1.10
GSK150	4050	0.96	0.89	1.00	0.98	1.09
GSK150	4100	0.97	0.90	1.00	0.98	1.09
GSK150	4150	0.97	0.91	1.00	0.98	1.08
GSK150	4200	0.97	0.91	1.00	0.98	1.07
GSK150	4250	0.97	0.92	1.00	0.99	1.07
GSK150	4300	0.97	0.93	1.00	0.99	1.06
GSK150	4350	0.98	0.93	1.00	0.99	1.06
GSK150	4400	0.98	0.94	1.00	0.99	1.05
GSK150	4450	0.98	0.94	1.00	0.99	1.05

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK150	4500	0.98	0.95	1.00	0.99	1.04
GSK150	4550	0.98	0.95	1.00	0.99	1.04
GSK150	4600	0.98	0.95	1.00	0.99	1.03
GSK150	4650	0.99	0.96	1.00	0.99	1.03
GSK150	4700	0.99	0.97	1.00	0.99	1.02
GSK150	4750	0.99	0.97	1.00	1.00	1.02
GSK150	4800	0.99	0.98	1.00	1.00	1.02
GSK150	4850	0.99	0.98	1.00	1.00	1.01
GSK150	4900	1.00	0.99	1.00	1.00	1.01
GSK150	4950	1.00	0.99	1.00	1.00	1.00
GSK150	5000	1.00	1.00	1.00	1.00	1.00
GSK150	5050	1.00	1.01	1.00	1.00	1.00
GSK150	5100	1.00	1.01	1.00	1.00	0.99
GSK150	5150	1.01	1.02	1.00	1.00	0.99
GSK150	5200	1.01	1.02	1.00	1.00	0.99
GSK150	5200	1.01	1.02	1.00	1.00	0.99
GSK150	5300	1.01	1.03	1.00	1.00	0.98
GSK150	5350	1.01	1.04	1.00	1.01	0.98
GSK150	5400	1.01	1.05	1.00	1.01	0.97
GSK150	5450	1.02	1.05	1.00	1.01	0.97
GSK150	5500	1.02	1.06	1.00	1.01	0.97
GSK150	5550	1.02	1.06	1.00	1.01	0.96
GSK150	5600	1.02	1.07	1.00	1.01	0.96
GSK150	5650	1.02	1.07	1.00	1.01	0.96
GSK150	5700	1.02	1.08	1.00	1.01	0.95
GSK150	5750	1.02	1.09	1.00	1.01	0.95
GSK150	5800	1.03	1.09	1.00	1.01	0.95
GSK150	5850	1.03	1.10	1.00	1.01	0.95
GSK150	5900	1.03	1.10	1.00	1.01	0.94
GSK150	5950	1.03	1.11	1.00	1.01	0.94
GSK150	6000	1.03	1.11	1.00	1.01	0.94
GSK180	4800	0.96	0.89	1.00	0.98	1.09
GSK180	4860	0.96	0.89	1.00	0.98	1.09
GSK180	4920	0.97	0.90	1.00	0.98	1.08
GSK180	4980	0.97	0.91	1.00	0.98	1.08
GSK180	5040	0.97	0.91	1.00	0.99	1.07
GSK180	5100	0.97	0.92	1.00	0.99	1.07
GSK180	5160	0.98	0.92	1.00	0.99	1.06
GSK180	5220	0.98	0.93	1.00	0.99	1.06
GSK180	5280	0.98	0.94	1.00	0.99	1.05
GSK180	5340	0.98	0.94	1.00	0.99	1.05
GSK180	5400	0.98	0.95	1.00	0.99	1.04
GSK180	5460	0.99	0.96	1.00	0.99	1.04
GSK180	5520	0.99	0.96	1.00	0.99	1.03
GSK180	5580	0.99	0.97	1.00	0.99	1.03
GSK180	5640	0.99	0.97	1.00	1.00	1.02
GSK180	5700	0.99	0.98	1.00	1.00	1.02
GSK180	5760	0.99	0.99	1.00	1.00	1.02
GSK180	5820	1.00	0.99	1.00	1.00	1.01

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK180	5880	1.00	1.00	1.00	1.00	1.01
GSK180	5940	1.00	0.99	1.00	1.00	1.00
GSK180	6000	1.00	1.00	1.00	1.00	1.00
GSK180	6060	1.00	1.01	1.00	1.00	1.00
GSK180	6120	1.00	1.01	1.00	1.00	0.99
GSK180	6180	1.00	1.02	1.00	1.00	0.99
GSK180	6240	1.01	1.02	1.00	1.00	0.99
GSK180	6240	1.01	1.02	1.00	1.00	0.99
GSK180	6360	1.01	1.03	1.00	1.00	0.98
GSK180	6420	1.01	1.04	1.00	1.00	0.98
GSK180	6480	1.01	1.05	1.00	1.01	0.97
GSK180	6540	1.01	1.05	1.00	1.01	0.97
GSK180	6600	1.02	1.06	1.00	1.01	0.97
GSK180	6660	1.02	1.06	1.00	1.01	0.96
GSK180	6720	1.02	1.07	1.00	1.01	0.96
GSK180	6780	1.02	1.08	1.00	1.01	0.96
GSK180	6840	1.02	1.08	1.00	1.01	0.96
GSK180	6900	1.02	1.09	1.00	1.01	0.95
GSK180	6960	1.02	1.09	1.00	1.01	0.95
GSK180	7020	1.03	1.10	1.00	1.01	0.95
GSK180	7080	1.03	1.10	1.00	1.01	0.94
GSK180	7140	1.03	1.11	1.00	1.01	0.94
GSK180	7200	1.03	1.12	1.00	1.01	0.94
GSK210	5600	0.96	0.88	1.00	0.98	1.08
GSK210	5670	0.96	0.88	1.00	0.98	1.08
GSK210	5740	0.97	0.89	1.00	0.98	1.07
GSK210	5810	0.97	0.90	1.00	0.98	1.07
GSK210	5880	0.97	0.90	1.00	0.99	1.06
GSK210	5950	0.97	0.91	1.00	0.99	1.06
GSK210	6020	0.98	0.91	1.00	0.99	1.05
GSK210	6090	0.98	0.92	1.00	0.99	1.05
GSK210	6160	0.98	0.93	1.00	0.99	1.04
GSK210	6230	0.98	0.93	1.00	0.99	1.04
GSK210	6300	0.98	0.94	1.00	0.99	1.04
GSK210	6370	0.98	0.94	1.00	0.99	1.03
GSK210	6440	0.99	0.95	1.00	0.99	1.03
GSK210	6510	0.99	0.96	1.00	0.99	1.02
GSK210	6580	0.99	0.96	1.00	1.00	1.02
GSK210	6650	0.99	0.97	1.00	1.00	1.02
GSK210	6720	0.99	0.98	1.00	1.00	1.01
GSK210	6790	1.00	0.98	1.00	1.00	1.01
GSK210	6860	1.00	0.99	1.00	1.00	1.01
GSK210	6930	1.00	0.99	1.00	1.00	1.00
GSK210	7000	1.00	1.00	1.00	1.00	1.00
GSK210	7070	1.00	1.01	1.00	1.00	1.00
GSK210	7140	1.00	1.01	1.00	1.00	0.99
GSK210	7210	1.00	1.02	1.00	1.00	0.99
GSK210	7280	1.01	1.02	1.00	1.00	0.99
GSK210	7280	1.01	1.02	1.00	1.00	0.99

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK210	7420	1.01	1.02	1.00	1.00	0.98
GSK210	7490	1.01	1.03	1.00	1.00	0.98
GSK210	7560	1.01	1.04	1.00	1.01	0.98
GSK210	7630	1.01	1.04	1.00	1.01	0.97
GSK210	7700	1.01	1.05	1.00	1.01	0.97
GSK210	7770	1.02	1.05	1.00	1.01	0.97
GSK210	7840	1.02	1.06	1.00	1.01	0.97
GSK210	7910	1.02	1.06	1.00	1.01	0.96
GSK210	7980	1.02	1.07	1.00	1.01	0.96
GSK210	8050	1.02	1.08	1.00	1.01	0.96
GSK210	8120	1.02	1.08	1.00	1.01	0.96
GSK210	8190	1.02	1.09	1.00	1.01	0.95
GSK210	8260	1.03	1.09	1.00	1.01	0.95
GSK210	8330	1.03	1.10	1.00	1.01	0.95
GSK210	8400	1.03	1.10	1.00	1.01	0.95
GSK240	6400	0.96	0.89	1.00	0.98	1.09
GSK240	6480	0.96	0.89	1.00	0.98	1.08
GSK240	6560	0.97	0.90	1.00	0.98	1.08
GSK240	6640	0.97	0.90	1.00	0.98	1.07
GSK240	6720	0.97	0.91	1.00	0.99	1.07
GSK240	6800	0.97	0.92	1.00	0.99	1.06
GSK240	6880	0.97	0.92	1.00	0.99	1.06
GSK240	6960	0.98	0.93	1.00	0.99	1.05
GSK240	7040	0.98	0.94	1.00	0.99	1.05
GSK240	7120	0.98	0.94	1.00	0.99	1.04
GSK240	7200	0.98	0.95	1.00	0.99	1.04
GSK240	7280	0.98	0.95	1.00	0.99	1.03
GSK240	7360	0.99	0.96	1.00	0.99	1.03
GSK240	7440	0.99	0.97	1.00	0.99	1.03
GSK240	7520	0.99	0.97	1.00	1.00	1.02
GSK240	7600	0.97	0.97	1.00	1.00	1.02
GSK240	7680	0.97	0.98	1.00	1.00	1.01
GSK240	7760	0.98	0.98	1.00	1.00	1.01
GSK240	7840	1.00	0.99	1.00	1.00	1.01
GSK240	7920	1.00	0.99	1.00	1.00	1.00
GSK240	8000	1.00	1.00	1.00	1.00	1.00
GSK240	8080	1.00	1.01	1.00	1.00	1.00
GSK240	8160	1.00	1.01	1.00	1.00	0.99
GSK240	8240	1.01	1.02	1.00	1.00	0.99
GSK240	8320	1.01	1.02	1.00	1.00	0.99
GSK240	8320	1.01	1.02	1.00	1.00	0.99
GSK240	8480	1.01	1.05	1.00	1.00	0.98
GSK240	8560	1.01	1.05	1.00	1.00	0.98
GSK240	8640	1.01	1.06	1.00	1.01	0.97
GSK240	8720	1.02	1.06	1.00	1.01	0.97
GSK240	8800	1.02	1.07	1.00	1.01	0.97
GSK240	8880	1.02	1.06	1.00	1.01	0.97
GSK240	8960	1.02	1.07	1.00	1.01	0.96
GSK240	9040	1.02	1.08	1.00	1.01	0.96

Evaporator Fan Performance

Table 37. CFM corrections (continued)

Model	Entering CFM	Cooling Capacity	Sensible Capacity	Cooling Input Watts	Heating Capacity	Heating Input Watts
GSK240	9120	1.02	1.08	1.00	1.01	0.96
GSK240	9200	1.02	1.09	1.00	1.01	0.96
GSK240	9280	1.03	1.09	1.00	1.01	0.95
GSK240	9360	1.03	1.10	1.00	1.01	0.95
GSK240	9440	1.03	1.10	1.00	1.01	0.95
GSK240	9520	1.03	1.11	1.00	1.01	0.95
GSK240	9600	1.03	1.12	1.00	1.01	0.94
GSK300	8000	0.97	0.87	1.00	0.98	1.08
GSK300	8100	0.97	0.88	1.00	0.98	1.07
GSK300	8200	0.97	0.88	1.00	0.99	1.07
GSK300	8300	0.97	0.89	1.00	0.99	1.06
GSK300	8400	0.97	0.90	1.00	0.99	1.06
GSK300	8500	0.98	0.90	1.00	0.99	1.05
GSK300	8600	0.98	0.91	1.00	0.99	1.05
GSK300	8700	0.98	0.92	1.00	0.99	1.04
GSK300	8800	0.98	0.92	1.00	0.99	1.04
GSK300	8900	0.98	0.93	1.00	0.99	1.04
GSK300	9000	0.98	0.94	1.00	0.99	1.03
GSK300	9100	0.99	0.94	1.00	0.99	1.03
GSK300	9200	0.99	0.95	1.00	0.99	1.03
GSK300	9300	0.99	0.96	1.00	1.00	1.02
GSK300	9400	0.99	0.96	1.00	1.00	1.02
GSK300	9500	0.99	0.97	1.00	1.00	1.02
GSK300	9600	0.99	0.97	1.00	1.00	1.01
GSK300	9700	1.00	0.98	1.00	1.00	1.01
GSK300	9800	1.00	0.99	1.00	1.00	1.01
GSK300	9900	1.00	0.99	1.00	1.00	1.00
GSK300	10000	1.00	1.00	1.00	1.00	1.00
GSK300	10100	1.00	1.01	1.00	1.00	1.00
GSK300	10200	1.00	1.01	1.00	1.00	0.99
GSK300	10300	1.00	1.02	1.00	1.00	0.99
GSK300	10400	1.01	1.03	1.00	1.00	0.99
GSK300	10400	1.01	1.03	1.00	1.00	0.99
GSK300	10600	1.01	1.02	1.00	1.00	0.98
GSK300	10700	1.01	1.03	1.00	1.00	0.98
GSK300	10800	1.01	1.04	1.00	1.00	0.98
GSK300	10900	1.01	1.04	1.00	1.01	0.98
GSK300	11000	1.01	1.05	1.00	1.01	0.97
GSK300	11100	1.02	1.05	1.00	1.01	0.97
GSK300	11200	1.02	1.06	1.00	1.01	0.97
GSK300	11300	1.02	1.07	1.00	1.01	0.97
GSK300	11400	1.02	1.07	1.00	1.01	0.96
GSK300	11500	1.02	1.08	1.00	1.01	0.96
GSK300	11600	1.02	1.08	1.00	1.01	0.96
GSK300	11700	1.02	1.09	1.00	1.01	0.96
GSK300	11800	1.02	1.10	1.00	1.01	0.96
GSK300	11900	1.03	1.10	1.00	1.01	0.95
GSK300	12000	1.03	1.11	1.00	1.01	0.95

Table 38. EAT corrections

Model	Entering Air WB F	Cooling Cap.	Sensible vs Entering Dry Bulb Multiplier									Input Watt Multiplier	Entering Air DB F	Heating Cap. Multiplier	Input Watts Multiplier
			50.0	55.0	60.0	65.0	70.0	75.0	80.6	85.0	90.0				
GSK036	46.0	0.9214	0.5495	0.7503	0.8580	0.9251	1.0533	1.0658	1.1467	1.2135	1.2883	1.0039	55.00	1.0462	0.8634
GSK036	50.0	0.9214	—	0.5998	0.8002	0.9259	0.9950	1.0658	1.1467	1.2135	1.2883	1.0039	57.00	1.0390	0.8832
GSK036	56.0	0.9229	—	—	0.5708	0.7716	0.9733	1.0674	1.1486	1.2135	1.2883	1.0039	60.00	1.0282	0.9136
GSK036	60.0	0.9240	—	—	0.4143	0.6162	0.8174	1.0190	1.1499	1.2149	1.2899	1.0038	62.00	1.0211	0.9345
GSK036	63.0	0.9447	—	—	—	0.4975	0.6995	0.9009	1.1271	1.2152	1.2911	1.0027	65.00	1.0105	0.9667
GSK036	**66.2**	**1.0000**	—	—	—	—	0.5719	0.7741	**1.0000**	1.1778	1.2926	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK036	72.0	1.1136	—	—	—	—	—	0.5377	0.7654	0.9436	1.1458	0.9946	70.00	0.9931	1.0229
GSK036	77.0	1.2191	—	—	—	—	—	—	0.5584	0.7383	0.9419	0.9893	75.00	0.9753	1.0820
GSK036	79.0	1.2630	—	—	—	—	—	—	0.4746	0.6551	0.8595	0.9870	80.00	0.9572	1.1441
GSK048	46.0	0.8322	0.5429	0.7471	0.8524	0.9204	1.0508	1.0617	1.0275	1.2088	1.2837	1.0179	55.00	1.0421	0.8631
GSK048	50.0	0.9252	—	0.5942	0.7970	0.9212	0.9908	1.0617	1.1424	1.2088	1.2837	1.0069	57.00	1.0357	0.8829
GSK048	56.0	0.9266	—	—	0.5652	0.7690	0.9721	1.0633	1.1442	1.2088	1.2837	1.0068	60.00	1.0259	0.9134
GSK048	60.0	0.9277	—	—	0.4066	0.6113	0.8153	1.0180	1.1455	1.2102	1.2853	1.0067	62.00	1.0194	0.9343
GSK048	63.0	0.9461	—	—	—	0.4909	0.6957	0.8998	1.1269	1.2114	1.2865	1.0048	65.00	1.0097	0.9666
GSK048	**66.2**	**1.0000**	—	—	—	—	0.5664	0.7713	**1.0000**	1.1779	1.2785	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK048	72.0	1.1141	—	—	—	—	—	0.5321	0.7626	0.9429	1.1479	0.9906	70.00	0.9936	1.0229
GSK048	77.0	1.2183	—	—	—	—	—	—	0.5523	0.7342	0.9404	0.9821	75.00	0.9770	1.0820
GSK048	79.0	1.2612	—	—	—	—	—	—	0.4664	0.6491	0.8560	0.9786	80.00	0.9600	1.1439
GSK060	46.0	0.8514	0.5442	0.7502	0.8448	0.9116	1.0431	1.0497	1.0269	1.1922	1.2645	1.0102	55.00	1.0387	0.8616
GSK060	50.0	0.9163	—	0.5952	0.8009	0.9123	0.9805	1.0497	1.1052	1.1922	1.2645	1.0059	57.00	1.0328	0.8817
GSK060	56.0	0.9365	—	—	0.5652	0.7701	0.9814	1.0512	1.1295	1.1922	1.2645	1.0022	60.00	1.0238	0.9125
GSK060	60.0	0.9375	—	—	0.4040	0.6107	0.8158	1.0223	1.1308	1.1935	1.2659	1.0022	62.00	1.0178	0.9337
GSK060	63.0	0.9379	—	—	—	0.4884	0.6943	0.8997	1.1311	1.1946	1.2670	1.0023	65.00	1.0088	0.9663
GSK060	**66.2**	**1.0000**	—	—	—	—	0.5636	0.7697	**1.0000**	1.1952	1.2683	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK060	72.0	1.1100	—	—	—	—	—	0.5275	0.7594	0.9409	1.1475	0.9988	70.00	0.9941	1.0231
GSK060	77.0	1.2096	—	—	—	—	—	—	0.5464	0.7296	0.9370	1.0001	75.00	0.9792	1.0828
GSK060	79.0	1.2499	—	—	—	—	—	—	0.4594	0.6433	0.8515	1.0014	80.00	0.9640	1.1454
GSK072	46.0	0.9293	0.5483	0.7501	0.8594	0.9281	1.0578	1.0281	1.1550	1.2240	1.3014	1.0071	55.00	1.0378	0.8595
GSK072	50.0	0.9293	—	0.5986	0.8002	0.9290	0.9995	1.0281	1.1550	1.2240	1.3014	1.0071	57.00	1.0321	0.8799
GSK072	56.0	0.9310	—	—	0.5699	0.7710	1.0012	1.0641	1.1571	1.2240	1.3014	1.0069	60.00	1.0234	0.9112
GSK072	60.0	0.9323	—	—	0.4140	0.6154	0.8171	1.0188	1.1586	1.2257	1.2553	1.0067	62.00	1.0176	0.9327
GSK072	63.0	0.9296	—	—	—	0.4971	0.6986	0.9004	1.1553	1.2165	1.3047	1.0080	65.00	1.0089	0.9658
GSK072	**66.2**	**1.0000**	—	—	—	—	0.5718	0.7736	**1.0000**	1.1779	1.3064	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK072	72.0	1.1172	—	—	—	—	—	0.5391	0.7661	0.9446	1.1471	0.9879	70.00	0.9941	1.0234
GSK072	77.0	1.2283	—	—	—	—	—	—	0.5607	0.7399	0.9432	0.9787	75.00	0.9791	1.0841
GSK072	79.0	1.2749	—	—	—	—	—	—	0.4769	0.6568	0.8606	0.9750	80.00	0.9640	1.1481
GSK090	46.0	0.9405	0.5402	0.7477	0.8374	0.9048	1.0389	1.0021	1.1262	1.1926	1.2672	1.0036	55.00	1.0349	0.8592
GSK090	50.0	0.9405	—	0.5912	0.7984	0.9056	0.9747	1.0021	1.1262	1.1926	1.2672	1.0036	57.00	1.0296	0.8796
GSK090	56.0	0.9419	—	—	0.5607	0.7673	0.9761	1.0371	1.1279	1.1926	1.2672	1.0035	60.00	1.0216	0.9110
GSK090	60.0	0.9430	—	—	0.3991	0.6066	0.8138	1.0217	1.1292	1.1940	1.2687	1.0035	62.00	1.0162	0.9325
GSK090	63.0	0.9439	—	—	—	0.4841	0.6917	0.8990	1.1302	1.1845	1.2700	1.0034	65.00	1.0081	0.9657

Evaporator Fan Performance

Table 38. EAT corrections (continued)

Model	Entering Air WB F	Cooling Cap.	Sensible vs Entering Dry Bulb Multiplier									Input Watt Multiplier	Entering Air DB F	Heating Cap. Multiplier	Input Watts Multiplier
			50.0	55.0	60.0	65.0	70.0	75.0	80.6	85.0	90.0				
GSK090	**66.2**	**1.0000**	—	—	—	—	0.5601	0.7679	**1.0000**	1.1841	1.2597	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK090	72.0	1.1126	—	—	—	—	—	0.5245	0.7585	0.9418	1.1493	0.9953	70.00	0.9946	1.0235
GSK090	77.0	1.2187	—	—	—	—	—	—	0.5449	0.7296	0.9388	0.9936	75.00	0.9810	1.0844
GSK090	79.0	1.2625	—	—	—	—	—	—	0.4578	0.6432	0.8532	0.9935	80.00	0.9676	1.1488
GSK102	46.0	0.9319	0.5626	0.7610	0.8700	0.9361	1.0621	1.0750	1.1555	1.2226	1.2981	1.0002	55.00	1.0367	0.8669
GSK102	50.0	0.9319	—	0.6103	0.8086	0.9369	1.0050	1.0750	1.1555	1.2226	1.2981	1.0002	57.00	1.0310	0.8862
GSK102	56.0	0.9150	—	—	0.5801	0.7780	0.9772	1.0768	1.1346	1.2226	1.2981	1.0003	60.00	1.0224	0.9159
GSK102	60.0	0.9347	—	—	0.4257	0.6234	0.8215	1.0202	1.1590	1.2052	1.2998	1.0002	62.00	1.0167	0.9363
GSK102	63.0	0.9491	—	—	—	0.5063	0.7041	0.9029	1.1260	1.2255	1.2798	1.0001	65.00	1.0083	0.9676
GSK102	**66.2**	**1.0000**	—	—	—	—	0.5786	0.7767	**1.0000**	1.1748	1.3028	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK102	72.0	1.1123	—	—	—	—	—	0.5449	0.7678	0.9431	1.1431	1.0010	70.00	0.9945	1.0222
GSK102	77.0	1.2224	—	—	—	—	—	—	0.5650	0.7410	0.9407	1.0033	75.00	0.9810	1.0796
GSK102	79.0	1.2690	—	—	—	—	—	—	0.4826	0.6592	0.8593	1.0047	80.00	0.9678	1.1398
GSK120	46.0	0.9256	0.5599	0.7596	0.8473	0.9097	1.0367	1.0405	1.1164	1.1791	1.2502	1.0047	55.00	1.0417	0.8637
GSK120	50.0	0.9256	—	0.6075	0.8069	0.9103	0.9649	1.0405	1.1164	1.1791	1.2502	1.0047	57.00	1.0354	0.8840
GSK120	56.0	0.9268	—	—	0.5752	0.7763	0.9765	1.0361	1.1178	1.1791	1.2502	1.0046	60.00	1.0258	0.9149
GSK120	60.0	0.9277	—	—	0.4166	0.6186	0.8199	1.0196	1.1189	1.1803	1.2514	1.0046	62.00	1.0194	0.9357
GSK120	63.0	0.9458	—	—	—	0.4985	0.7006	0.9021	1.1264	1.1753	1.2525	1.0035	65.00	1.0097	0.9676
GSK120	**66.2**	**1.0000**	—	—	—	—	0.5719	0.7741	**1.0000**	1.1758	1.2473	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK120	72.0	1.1171	—	—	—	—	—	0.5369	0.7646	0.9430	1.1449	0.9911	70.00	0.9935	1.0220
GSK120	77.0	1.2272	—	—	—	—	—	—	0.5571	0.7369	0.9406	0.9811	75.00	0.9773	1.0784
GSK120	79.0	1.2729	—	—	—	—	—	—	0.4724	0.6530	0.8574	0.9765	80.00	0.9610	1.1369
GSK150	46.0	0.9270	0.5632	0.7545	0.8581	0.9236	1.0529	1.0606	1.1395	1.2047	1.2787	1.0018	55.00	1.0369	0.8664
GSK150	50.0	0.9270	—	0.6128	0.8038	0.9244	0.9916	1.0606	1.1395	1.2047	1.2787	1.0018	57.00	1.0312	0.8860
GSK150	56.0	0.9283	—	—	0.5809	0.7850	0.9746	1.0620	1.1412	1.2047	1.2787	1.0018	60.00	1.0226	0.9161
GSK150	60.0	0.9293	—	—	0.4147	0.6258	0.8298	1.0192	1.1424	1.2060	1.2801	1.0017	62.00	1.0169	0.9365
GSK150	63.0	0.9479	—	—	—	0.4995	0.7095	0.9130	1.1259	1.2071	1.2813	1.0012	65.00	1.0084	0.9678
GSK150	**66.2**	**1.0000**	—	—	—	—	0.5786	0.7843	**1.0000**	1.1759	1.2826	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK150	72.0	1.1117	—	—	—	—	—	0.5429	0.7746	0.9545	1.1448	0.9962	70.00	0.9945	1.0218
GSK150	77.0	1.2063	—	—	—	—	—	—	0.5634	0.7461	0.9517	0.9942	75.00	0.9801	1.0780
GSK150	79.0	1.2358	—	—	—	—	—	—	0.4755	0.6609	0.8677	0.9958	80.00	0.9655	1.1362
GSK180	46.0	0.8311	0.5636	0.7579	0.8591	0.9238	1.0528	1.0571	1.1340	1.1971	1.2682	1.0067	55.00	1.0352	0.8644
GSK180	50.0	0.9342	—	0.6127	0.8067	0.9240	0.9898	1.0571	1.1340	1.1971	1.2682	1.0025	57.00	1.0299	0.8847
GSK180	56.0	0.9355	—	—	0.5787	0.7853	0.9780	1.0585	1.1355	1.1971	1.2682	1.0024	60.00	1.0217	0.9154
GSK180	60.0	0.9364	—	—	0.4112	0.6229	0.8294	1.0217	1.1366	1.1983	1.2695	1.0023	62.00	1.0163	0.9362
GSK180	63.0	0.9513	—	—	—	0.4955	0.7066	0.9127	1.1291	1.1993	1.2705	1.0017	65.00	1.0081	0.9678
GSK180	**66.2**	**1.0000**	—	—	—	—	0.5732	0.7812	**1.0000**	1.1784	1.2717	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK180	72.0	1.1059	—	—	—	—	—	0.5346	0.7688	0.9510	1.1440	0.9960	70.00	0.9946	1.0218
GSK180	77.0	1.1964	—	—	—	—	—	—	0.5532	0.7378	0.9460	0.9948	75.00	0.9807	1.0776
GSK180	79.0	1.2283	—	—	—	—	—	—	0.4646	0.6510	0.8602	0.9961	80.00	0.9666	1.1353
GSK210	46.0	0.9238	0.5599	0.7537	0.8506	0.9126	1.0402	1.0424	1.1169	1.1783	1.2480	1.0022	55.00	1.0422	0.8642
GSK210	50.0	0.9366	—	0.6073	0.8007	0.9133	0.9771	1.0424	1.1169	1.1783	1.2480	1.0017	57.00	1.0357	0.8842
GSK210	56.0	0.9378	—	—	0.5722	0.7771	0.9694	1.0436	1.1183	1.1783	1.2480	1.0017	60.00	1.0258	0.9148
GSK210	60.0	0.9387	—	—	0.4084	0.6151	0.8200	1.0119	1.1193	1.1794	1.2493	1.0016	62.00	1.0193	0.9356

Table 38. EAT corrections (continued)

Model	Entering Air WB F	Cooling Cap.	Sensible vs Entering Dry Bulb Multiplier									Input Watt Multiplier	Entering Air DB F	Heating Cap. Multiplier	Input Watts Multiplier
			50.0	55.0	60.0	65.0	70.0	75.0	80.6	85.0	90.0				
GSK210	63.0	0.9524	—	—	—	0.4894	0.6975	0.9020	1.1180	1.1803	1.2503	1.0012	65.00	1.0096	0.9674
GSK210	**66.2**	**1.0000**	—	—	—	—	0.5648	0.7710	**1.0000**	1.1667	1.2514	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK210	72.0	1.1049	—	—	—	—	—	0.5266	0.7586	0.9394	1.1446	0.9973	70.00	0.9937	1.0221
GSK210	77.0	1.1980	—	—	—	—	—	—	0.5451	0.7281	0.9346	0.9950	75.00	0.9776	1.0788
GSK210	79.0	1.2353	—	—	—	—	—	—	0.4581	0.6420	0.8496	0.9943	80.00	0.9615	1.1374
GSK240	46.0	0.8151	0.5620	0.7558	0.8629	0.9285	1.0582	1.0662	1.1457	1.2112	1.2857	1.0200	55.00	1.0337	0.8733
GSK240	50.0	0.9379	—	0.6110	0.8046	0.9293	0.9969	1.0662	1.1457	1.2112	1.2857	0.9991	57.00	1.0286	0.8920
GSK240	56.0	0.9391	—	—	0.5784	0.7829	0.9764	1.0677	1.1472	1.2112	1.2857	0.9991	60.00	1.0209	0.9206
GSK240	60.0	0.9401	—	—	0.4127	0.6228	0.8272	1.0205	1.1484	1.2125	1.2871	0.9991	62.00	1.0157	0.9400
GSK240	63.0	0.9525	—	—	—	0.4968	0.7061	0.9104	1.1281	1.2136	1.2883	0.9992	65.00	1.0079	0.9697
GSK240	**66.2**	**1.0000**	—	—	—	—	0.5714	0.7805	**1.0000**	1.1780	1.2897	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK240	72.0	1.1088	—	—	—	—	—	0.5363	0.7701	0.9504	1.1455	1.0011	70.00	0.9947	1.0206
GSK240	77.0	1.1972	—	—	—	—	—	—	0.5566	0.7412	0.9473	1.0049	75.00	0.9809	1.0734
GSK240	79.0	1.2403	—	—	—	—	—	—	0.4713	0.6559	0.8630	1.0053	80.00	0.9667	1.1281
GSK300	46.0	0.8305	0.5446	0.7470	0.8166	0.8758	0.9361	0.9987	1.0699	0.9457	1.1958	1.0198	55.00	1.0346	0.8784
GSK300	50.0	0.9486	—	0.5931	0.7947	0.8763	0.9367	0.9987	1.0699	0.9457	1.1958	0.9969	57.00	1.0291	0.8961
GSK300	56.0	0.9496	—	—	0.5519	0.7686	0.9432	0.9997	1.0710	0.9457	1.1958	0.9970	60.00	1.0212	0.9234
GSK300	60.0	0.9504	—	—	0.3827	0.5982	0.8123	1.0123	1.0718	1.1294	1.1967	0.9970	62.00	1.0159	0.9420
GSK300	63.0	0.9572	—	—	—	0.4672	0.6838	0.8977	1.0796	1.1302	1.1975	0.9974	65.00	1.0080	0.9706
GSK300	**66.2**	**1.0000**	—	—	—	—	0.5435	0.7604	**1.0000**	1.1433	1.1985	**1.0000**	**68.00**	**1.0000**	**1.0000**
GSK300	72.0	1.1044	—	—	—	—	—	0.5047	0.7478	0.9369	1.1367	1.0062	70.00	0.9946	1.0200
GSK300	77.0	1.1968	—	—	—	—	—	—	0.5252	0.7170	0.9332	1.0120	75.00	0.9807	1.0715
GSK300	79.0	1.2398	—	—	—	—	—	—	0.4358	0.6278	0.8449	1.0136	80.00	0.9666	1.1253

Fan Performance

Table 39. Outdoor sound power level

Tons	Unit Model Number	Octave Center Frequency							
		63	125	250	500	1000	2000	4000	8000
3	GSK036	82	81	80	77	73	69	65	61
4	GSK048	83	84	82	80	76	72	68	63
5	GSK060	84	84	82	80	77	73	69	67
6	GSK072	84	85	84	85	82	76	73	67
7.5	GSK090	87	87	86	83	81	77	73	67
8.5	GSK102	87	87	86	83	81	77	73	67
10	GSK120	88	89	90	87	84	79	75	67
12.5	GSK150	89	89	91	89	86	82	79	73
15	GSK180	89	89	91	89	86	82	79	73
17.5	GSK210	94	90	92	91	88	84	81	75
20	GSK240	94	90	92	91	88	84	81	75
25	GSK300	94	90	92	91	88	84	81	75

Notes:

1. Outdoor sound rating shown is tested in accordance with AHRI 270/370-2015.
2. Indoor sound in accordance with AHRI 260 is available through Trane's selection software.

Table 40. Static pressure drop through accessories (inches water column)

Tons	Unit Model Number	cfm	Stand-ard Filters[a]	2" MERV 8 Filter[b]	2" MERV 13 Filter[b]	Reheat Coil	Economizer with OA/RA Dampers[c]								Electric Heater				
							Downflow		Horizontal		Low Leak Downflow[e]		Low Leak Horizontal		Accessory (kW)				
							100% OA	100% RA	100% OA	100% RA	100% OA	100% RA	100% OA	100% RA	5-6	9-18	23-36	54	72
3	GSK036A	900	0.01	0.01	0.03	0.01	0.12	0.01	0.12	0.01	0.07	0.04	0.15	0.01	0.01	0.01	0.01	—	—
		1200	0.01	0.02	0.04	0.01	0.20	0.02	0.20	0.01	0.12	0.08	0.25	0.01	0.02	0.02	0.02	—	—
		1440	0.02	0.03	0.06	0.01	0.27	0.03	0.27	0.02	0.17	0.11	0.35	0.02	0.02	0.03	0.03	—	—
4	GSK048A	1200	0.01	0.02	0.04	0.01	0.20	0.02	0.20	0.01	0.12	0.08	0.25	0.01	0.02	0.03	0.03	—	—
		1600	0.02	0.03	0.06	0.01	0.33	0.03	0.33	0.02	0.21	0.14	0.42	0.02	0.04	0.05	0.05	—	—
		1920	0.03	0.04	0.09	0.01	0.45	0.04	0.45	0.03	0.30	0.20	0.60	0.03	0.05	0.06	0.08	—	—
5	GSK060A	1500	0.02	0.03	0.06	0.01	0.29	0.03	0.29	0.02	0.18	0.12	0.38	0.02	0.04	0.05	0.05	—	—
		2000	0.03	0.04	0.09	0.01	0.48	0.05	0.48	0.03	0.32	0.22	0.65	0.04	0.06	0.07	0.08	—	—
		2400	0.04	0.06	0.12	0.02	0.66	0.07	0.66	0.04	0.46	0.31	0.92	0.05	0.08	0.10	0.12	—	—
6	GSK072A	1800	0.03	0.04	0.07	0.04	0.05	0.01	0.04	0.02	0.09	0.00	0.12	0.08	—	0.01	0.02	—	—
		2400	0.04	0.06	0.1	0.06	0.10	0.01	0.06	0.03	0.16	0.01	0.2	0.13	—	0.02	0.03	—	—
		2880	0.04	0.07	0.13	0.07	0.14	0.02	0.08	0.04	0.24	0.01	0.28	0.19	—	0.03	0.03	—	—
7.5	GSK090A	2250	0.03	0.05	0.09	0.05	0.09	0.01	0.05	0.02	0.14	0.01	0.18	0.12	—	0.02	0.02	—	—
		3000	0.05	0.08	0.13	0.07	0.15	0.02	0.09	0.04	0.26	0.01	0.3	0.21	—	0.03	0.03	—	—
		3600	0.05	0.1	0.17	0.09	0.22	0.02	0.12	0.06	0.39	0.02	0.42	0.29	—	0.04	0.05	—	—
8.5	GSK102A	2550	0.04	0.06	0.11	0.06	0.11	0.01	0.06	0.03	0.19	0.01	0.23	0.15	—	0.02	0.03	—	—
		3400	0.05	0.09	0.16	0.09	0.20	0.02	0.11	0.05	0.34	0.02	0.38	0.26	—	0.03	0.04	—	—
		4080	0.06	0.12	0.2	0.1	0.28	0.03	0.15	0.07	0.50	0.03	0.53	0.37	—	0.05	0.06	—	—
10	GSK120A	3000	0.04	0.06	0.12	0.02	0.15	0.02	0.09	0.04	0.26	0.01	0.3	0.21	—	0.01	0.02	—	—
		4000	0.05	0.09	0.17	0.03	0.27	0.03	0.15	0.07	0.48	0.03	0.51	0.35	—	0.02	0.03	—	—
		4800	0.07	0.12	0.21	0.03	0.39	0.03	0.20	0.09	0.71	0.05	0.71	0.49	—	0.02	0.03	—	—
12.5	GSK150A	3750	0.02	0.04	0.07	0.02	0.10	0.02	0.10	0.02	0.11	0.09	0.05	0.09	—	0	0.01	0.01	—
		5000	0.03	0.06	0.10	0.04	0.15	0.03	0.15	0.03	0.17	0.13	0.09	0.14	—	0.01	0.03	0.03	—
		6000	0.04	0.08	0.13	0.04	0.20	0.04	0.20	0.04	0.23	0.17	0.12	0.18	—	0.01	0.04	0.04	—

Table 40. Static pressure drop through accessories (inches water column) (continued)

Tons	Unit Model Number	cfm	Stand-ard Filters[a]	2" MERV 8 Filter[b]	2" MERV 13 Filter[b]	Reheat Coil	Economizer with OA/RA Dampers[c]								Electric Heater				
							Downflow		Horizontal		Low Leak Downflow[e]		Low Leak Horizontal		Accessory (kW)				
							100% OA	100% RA	100% OA	100% RA	100% OA	100% RA	100% OA	100% RA	5-6	9-18	23-36	54	72
15	GSK180A	4500	0.03	0.05	0.09	0.04	0.13	0.02	0.13	0.02	0.14	0.11	0.07	0.12	—	0.01	0.02	0.02	—
		6000	0.04	0.08	0.13	0.04	0.20	0.04	0.20	0.04	0.23	0.17	0.12	0.18	—	0.01	0.04	0.04	—
		7200	0.06	0.1	0.17	0.04	0.27	0.05	0.27	0.05	0.32	0.23	0.16	0.25	—	0.02	0.06	0.06	—
17.5	GSK210A	5250	0.04	0.06	0.11	0.04	0.16	0.03	0.16	0.03	0.19	0.14	0.09	0.15	—	—	0.03	0.03	0.03
		7000	0.05	0.10	0.17	0.04	0.26	0.05	0.26	0.05	0.3	0.22	0.15	0.24	—	—	0.06	0.06	0.06
		8400	0.07	0.13	0.22	0.06	0.35	0.06	0.35	0.06	0.42	0.29	0.21	0.33	—	—	0.09	0.09	0.09
20	GSK240A	6000	0.04	0.08	0.13	0.01	0.20	0.04	0.20	0.04	0.23	0.17	0.12	0.18	—	—	0.04	0.04	0.04
		8000	0.07	0.12	0.21	0.02	0.32	0.06	0.32	0.06	0.39	0.27	0.19	0.30	—	—	0.08	0.08	0.08
		9600	0.09	0.16	0.27	0.05	0.44	0.07	0.44	0.07	0.54	0.37	0.27	0.41	—	—	0.12	0.12	0.12
25	GSK300A	7500	0.06	0.11	0.19	0.02	0.29	0.05	0.29	0.05	0.34	0.24	0.17	0.27	—	—	0.07	0.07	0.07
		10000	0.09	0.17	0.29	0.06	0.48	0.08	0.48	0.08	0.58	0.4	0.29	0.45	—	—	0.13	0.13	0.13
		12000	0.12	0.23	0.39	0.08	0.66	0.11	0.66	0.11	0.82	0.55	0.39	0.62	—	—	0.20	0.20	0.20

[a] Tested with: 2-in filters 3 to 25 Tons.
[b] Difference in pressure drop should be considered when utilizing optional 2-in pleated filters.
[c] OA = Outside Air and RA = Return Air.

Heating Performance

Table 41. Auxiliary electric heat capacity

Tons	Unit Model Number	Total[a]		No. of Stages	Stage 1		Stage 2	
		kw Input[b]	MBh Output		kw Input	MBh Output	kw Input	MBh Output
3	GS*036*3,4,W	6.0 12.0 17.4	20.48 40.97 59.40	1 2 2	6.0 6.0 8.7	20.48 20.48 29.70	— 6.0 8.7	— 20.48 29.70
4	GS*048*3,4,W	6.0 12.0 17.4	20.48 40.97 59.40	1 2 2	6.0 6.0 8.7	20.48 20.48 29.70	— 6.0 8.7	— 20.48 29.70
5	GS*060*3,4,W	12.0 17.4 23.0	40.97 59.40 78.50	2 2 2	6.0 8.7 8.7	20.48 29.70 29.70	6.0 8.7 14.3	20.48 29.70 48.82
6 to 8.5	GS*072*3,4,W GS*090*3,4,W GS*102*3,4,W	9.0 18.0 27.0 36.0	30.73 61.47 92.20 122.94	1 2 2 2	9.0 9.0 18.0 18.0	30.73 30.73 61.47 61.47	— 9.0 9.0 18.0	— 30.73 30.73 61.47
10	GS*120*3,4,W	18.0 27.0 36.0 54.0	61.47 92.20 122.94 184.41	1 2 2 2	18.0 18.0 18.0 36.0	61.47 61.47 61.47 122.94	— 9.0 18.0 18.0	— 30.73 61.47 61.47
12.5 to 15	GS*150*3,4,W GS*180*3,4,W	18.0 36.0 54.0	61.47 122.94 184.41	1 2 2	18.0 18.0 36.0	61.47 61.47 122.94	— 18.0 18.0	— 61.47 61.47
17.5 to 25	GS*210*3,4,W GS*240*3,4,W GS*300*3,4,W	36.0 54.0 72.0	122.94 184.41 245.88	2 2 2	18.0 36.0 36.0	61.47 122.94 122.94	18.0 18.0 36.0	61.47 61.47 122.94

[a] Heaters are rated at 240V, 480V, and 600V. For other than rated voltage, CAP = (voltage/rated voltage)2 x rated cap.

[b] For all input/output categories, does not include fan power or heat.

Table 42. Auxiliary electric heat - air temperature rise (3 to 5 tons)

kW	Stages	3 Tons 900 cfm	4 Tons 1200 cfm	5 Tons 1500 cfm
		Three Phase GS*036*3,4,W	Three Phase GS*048*3,4,W	Three Phase GS*060*3,4,2
6.00	1	21.07	15.81	12.64
9.00	1	—	—	—
12.00	2	42.15	31.61	25.29
18.00	1 or 2	63.22	47.42	37.93
23.00	2	—	—	48.47
27.00	2	—	—	—
36.00	2	—	—	—
54.00	2	—	—	—
72.00	2	—	—	—

Note: For minimum design airflow, see airflow performance table for each unit. To calculate temp. rise at different airflow, use the following formula: Temp. rise across Electric Heater = (kW x 3414)/(1.08 x cfm).

Table 43. Auxiliary electric heat - air temperature rise (6 to 10 tons)

kW	Stages	6 Tons 1800 cfm	7.5 Tons 2250 cfm	8.5 Tons 2550 cfm	10 Tons 3000 cfm
		Three Phase GS*072*3,4,W	Three Phase GS*090*3,4,W	Three Phase GS*102*3,4,2	Three Phase GS*120*3,4,W
6.00	1	—	—	—	—
9.00	1	15.81	12.64	11.16	—
12.00	2	—	—	—	—
18.00	1 or 2	31.61	25.29	22.31	18.97
23.00	2	—	—	—	—
27.00	2	47.42	37.93	33.47	28.45

Table 43. Auxiliary electric heat - air temperature rise (6 to 10 tons) (continued)

kW	Stages	6 Tons 1800 cfm	7.5 Tons 2250 cfm	8.5 Tons 2550 cfm	10 Tons 3000 cfm
		Three Phase GS*072*3,4,W	Three Phase GS*090*3,4,W	Three Phase GS*102*3,4,2	Three Phase GS*120*3,4,W
36.00	2	63.22	50.58	44.63	37.93
54.00	2	—	—	—	56.90
72.00	2	—	—	—	—

Note: For minimum design airflow, see airflow performance table for each unit. To calculate temp. rise at different airflow, use the following formula: Temp. rise across Electric Heater = (kW x 3414)/(1.08 x cfm).

Table 44. Auxiliary electric heat - air temperature rise (15 to 25 tons)

kW	Stages	12.5 Tons 3750 cfm	15 Tons 4500 cfm	17.5 Tons 5250 cfm	20 Tons 6000 cfm	25 Tons 7500 cfm
		Three Phase GS*150*3,4,W	Three Phase GS*180*3,4,W	Three Phase GS*210*3,4,W	Three Phase GS*240*3,4,W	Three Phase GS*300*3,4,W
6.00	1	—	—	—	—	—
9.00	1	—	—	—	—	—
12.00	2	—	—	—	—	—
18.00	1 or 2	15.17	12.64	—	—	—
23.00	2	—	—	—	—	—
27.00	2	22.76	—	—	—	—
36.00	2	30.35	25.28	21.67	18.96	15.17
54.00	2	45.52	37.93	32.51	28.45	22.76
72.00	2	—	—	43.35	37.93	30.34

Note: For minimum design airflow, see airflow performance table for each unit. To calculate temp. rise at different airflow, use the following formula: Temp. rise across Electric Heater = (kW x 3414)/(1.08 x cfm).

Controls

Enhanced BAS Integration and Connectivity

- Symbio™ 700 integrates seamlessly with Trane® Tracer® Synchrony and Tracer Ensemble® to deliver optimized building automation and building management features and functions.
- Easily integrate with open standard protocols to connect seamlessly to a BAS (whether that is Trane or non-Trane).
- Digit 21 must equal 1, 2, or 3 for communication support.

BACnet® Communications

Symbio™ 700 includes native BACnet communications which allows the unit to communicate directly with a Tracer or non-Trane Building Automation System via open protocol BACnet MS/TP or IP.

Modbus Communications

Symbio 700 includes native Modbus communications which allows the unit to communicate directly with a Tracer or non-Trane Building Automation System via open protocol Modbus RTU or TCP/IP.

LonTalk® Communications

The optional LonTalk® communications module allows the unit to communicate directly with a Tracer or non-Trane Building Automation System via open protocol LonTalk.

Air-Fi® Wireless Communications

The optional Air-Fi communications module allows the unit to communicate directly with a Tracer Building Automation System via open protocol BACnet over Zigbee wireless.

Secure Remote Connectivity with Trane Connect

The Symbio controller enables secure remote connectivity via Trane Connect to Trane Intelligent Services and remote monitoring. Trane Connect provides anywhere/anytime access to monitor and manage with secure remote access and connectivity options through a multitude of platforms. Peace of mind that the system will be operational and provide comfort to customers.

Serviceability

Symbio Service and Installation Mobile App

The Symbio Service and Installation mobile app is accessible through mobile devices (phones and tablets) via Bluetooth connectivity or via Trane Connect. The intuitive mobile app feels natural to technicians and operators. They'll quickly be able to view equipment status and alarms, perform startup tasks, change configurations, test the equipment's performance in specific modes—and much more. Free for download from App Store (Apple iOS) and Google Play (Android devices).

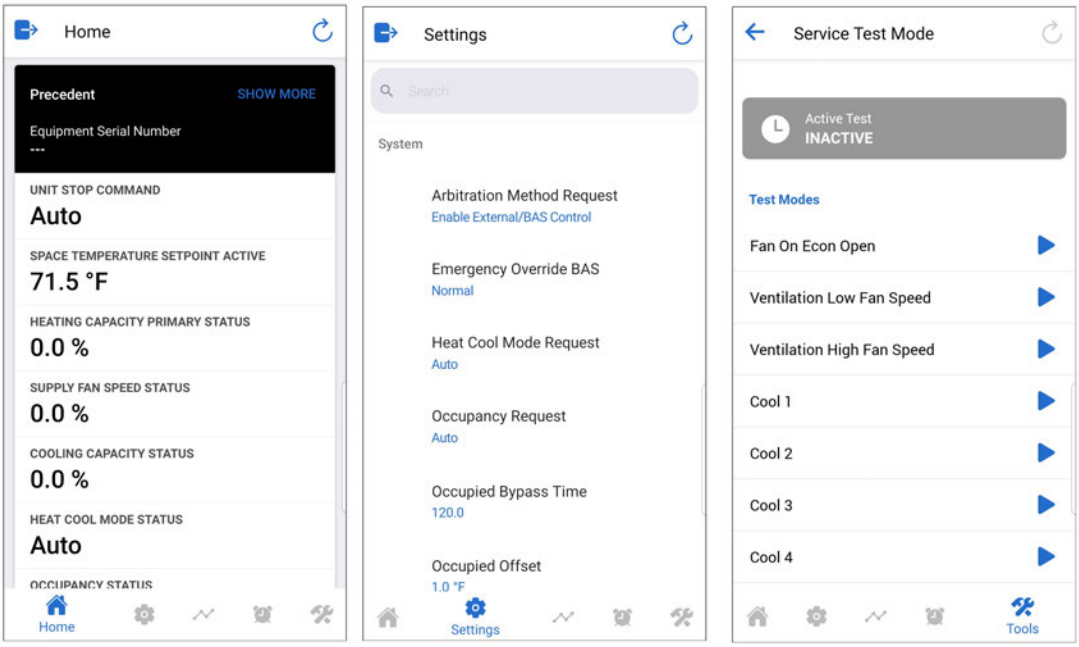
To download the Symbio Service and Installation Mobile App use the links below or scan the code with your mobile phone camera.

Apple download link (https://apps.apple.com/us/app/symbio-service-installation/id1309310176)

Google Play (Android) download link (https://play.google.com/store/apps/details?id=com.trane.mobileservicetool)

Figure 7. Scan code

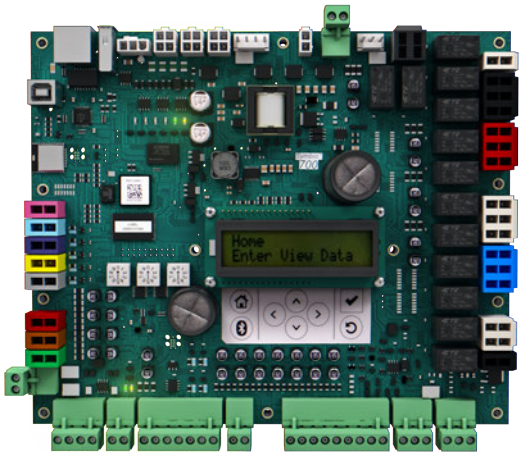
Figure 8. Symbio service and installation mobile app



Onboard User Interface

An integrated onboard user interface that makes setup and continued operation easy. It provides real time operational performance, status, data, and alarms. It also allows the user to interact with, service, troubleshoot, and control their equipment without additional service software tools or when a mobile interface is not available.

Figure 9. Onboard user interface



Service Test Mode

Symbio 700 requires no special tools to run the unit through its paces. Simply navigate to the ‘Service’ section of the on-board user interface or the ‘Tools’ section of the Symbio Service and Installation Mobile App and enter the ‘Service Test Mode’ section. Here the unit can be placed in the desired operating condition for a pre-determined amount of time supporting troubleshooting efforts in the field. The Symbio 700 will return to normal control when the user exits test mode or when the pre-determined, user-selected Service Test time has expired.

Symbio 700 controls with upgradeable software

Trane’s equipment and systems feature engineered, tested, and proven applications that meet industry energy standards and provide the flexibility to customize and update over the life of the equipment. Professional operational algorithms are embedded within the Symbio 700 controller at the Trane factory. Symbio 700 standardizes each equipment unit to maintain standards for comfort, efficiency, and air quality, without additional field programming. Symbio 700 provides the flexibility over the life of the equipment to meet changing customer needs and/or industry standards.

Flexibility

Expansion Modules

- XM30 – Provides 4 universal inputs or analog outputs
- XM32 – Provides 4 binary outputs

Field Programming via TGP2

- Control ancillary equipment
- Custom sequences

TGP2 and XM Limitations

- Programs will only have access to available BACnet® points. (Ensures system reliability.)
- TGP2 programs will not have direct I/O control access for factory components. (Compressors will not be able to be directly controlled On/Off without going through factory provided protection sequences.)
- Onboard I/O will not be available to custom applied TGP2 programs. If additional I/O is required for a new control loop, a separate expansion module will be required.
- I/O will be limited to a maximum combination of 2 XM modules. Only XM30 or XM32 modules are supported by the Symbio™ 700.

Economizer Controls

There are four options for economizer control, Dry Bulb Temperature, Comparative Enthalpy, Reference Enthalpy and Differential Dry Bulb Temperature.

Dry Bulb Temperature Control

The dry bulb system measures outdoor temperature comparing it to the economizer enable setpoint. If the outdoor temperature is below the economizer enable setpoint, the economizer will operate freely. This system is best suited for arid regions where the humidity levels of outside air would not be detrimental to building comfort and indoor air quality.

Comparative Enthalpy Control

The comparative enthalpy system measures the temperature and humidity of both return air and outside air to determine which source has lower enthalpy. This system allows true comparison of outdoor air and return air enthalpy by measurement of outdoor air and return air temperature and humidity.

Reference Enthalpy Control

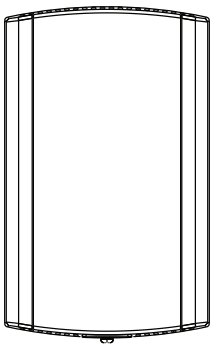
The reference enthalpy system compares outdoor air temperature and humidity to the economizer enthalpy enable setpoint. If outdoor air temperature and humidity are below the economizer enthalpy enable setpoint, the economizer will operate freely. This system provides more sophisticated control where outdoor air humidity levels may not be acceptable for building comfort and indoor air quality.

Differential Dry Bulb Temperature Control

The differential dry bulb system measures the temperature of both return air and outside air to determine when to economize. If outdoor air temperature is below the return air temperature minus a differential, the economizer will operate freely. This system is best suited for arid regions where the humidity levels of outside air would not be detrimental to building comfort and indoor air quality.

Zone Sensors

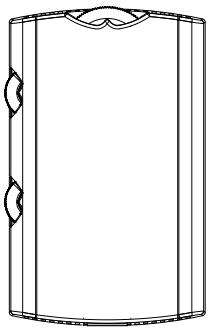
Zone Temperature Only



BAYSENS077

Provides temperature input only. Can be used as a secondary remote temperature input for thermostats.

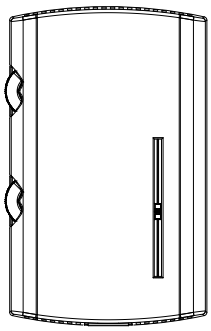
Manual Changeover



BAYSENS107

Heat, Cool or Off System Switch. Fan Auto or Off Switch. Single temperature setpoint thumbwheel.

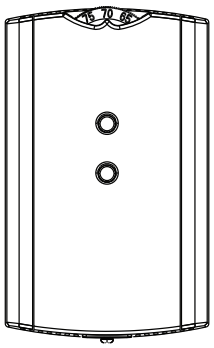
Manual/Automatic Changeover



BAYSENS109

Auto, Heat, Cool or Off System Switch. Fan Auto or Off Switch. Dual temperature setpoint sliders

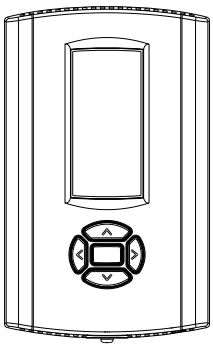
Integrated Comfort™ System



BAYSENS073 / BAYSENS074

Sensor(s) available with optional temperature adjustment and override buttons to provide central control through a Trane Integrated Comfort system.

Wired Display Sensor



BAYSENS135

LCD display that provides heat, cool, auto, or off. Includes two temperature setpoints and a lockable setting with °F or °C indicators.

Touchscreen Digital Display Communicating Sensor

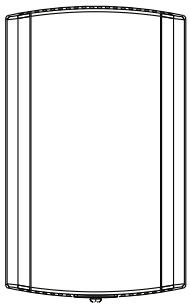
BAYSENS800

Uses BACnet® MS/TP link to communicate zone temperature and setpoints. Auto, Heat, Cool or Off System Switch. Fan Auto or On Switch. 7-day programmable thermostat with night setback.

Note: *Not compatible with VAV units. Requires BACnet communications. For use with standalone applications only.*

Air-Fi Wireless Communicating Zone Sensors

Wireless Zone Temperature Only

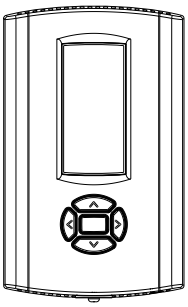


BAYSENS203

Measures temperature and optional humidity (with WCS-SH) for use in public spaces where no local user interface is preferred.

Note: *Requires BACnet communications.*

Wireless Display Sensor

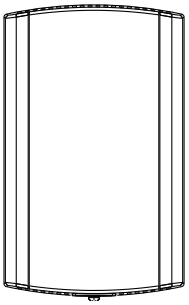


BAYSENS202

Easy-to-use interface for clear and simple monitoring and control. Can be configured for any Trane system or to meet the customer's preference.

Note: *Requires BACnet communications.*

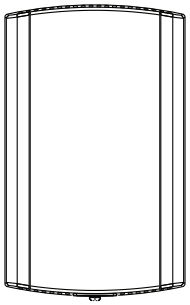
Wired CO_2 Sensor



FIACO2K001 wall mount CO_2 Sensor
FIACO2K002 duct mount CO_2 Sensor

The maintenance-free carbon dioxide (CO_2) sensor is primarily used for demand control ventilation applications.

Wired Zone Temperature and Humidity Sensor

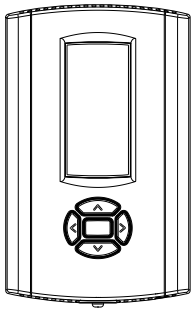


BAYSENS036

Measures temperature and relative humidity. Relative humidity input is used to control activation of dehumidification.

Thermostats

Digital Display Thermostat (3H/2C)

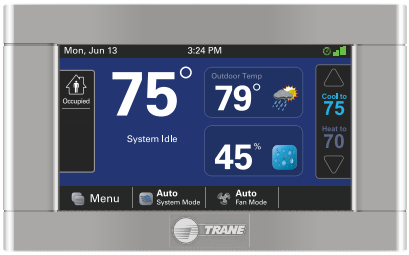


BAYSTAT150

Three Heat/Two Cool Auto changeover digital display thermostat. Seven day programmable thermostat with night setback.

Note: *Not compatible with VAV units.*

Pivot® Web Enabled Smart Thermostat (3H/2C)



BAYSTAT814

Our Pivot Smart Thermostat system is great for commercial buildings. With its intuitive touchscreen and customizable display, it is easy for occupants to use. The Pivot mobile app enables users to control multiple buildings remotely, making changes in seconds to all systems.

Note: *Not compatible with VAV units.*

Touchscreen Programmable Thermostat with Relative Humidity Sensor (3H/2C)

BAYSTAT152

Three Heat, Two Cool digital display thermostat with built-in humidity control. This thermostat combines both humidity and temperature into one.

Note: *Not compatible with VAV units.*

Electrical Data

Table 45. Unit wiring

Tons	Unit Model Number	Voltage Range	Standard Indoor Fan Motor		Oversized/High Static Indoor Fan Motor		Optional Power Exhaust Standard Indoor Fan Motor		Optional Power Exhaust Oversized/High Static Indoor Fan Motor	
			MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker
3	GSK036A3	187-253	22	30	24	35	24	35	27	35
	GSK036A4	414-506	10	15	12	15	11	15	13	15
	GSK036AW	517-632	9	15	10	15	10	15	11	15
4	GSK048A3	187-253	26	40	27	40	28	40	29	40
	GSK048A4	414-506	12	15	13	15	13	15	15	20
	GSK048AW	517-632	12	15	13	15	13	15	14	15
5	GSK060A3	187-253	28	40	29	45	30	45	32	45
	GSK060A4	414-506	13	20	15	20	14	20	16	20
	GSK060AW	517-632	13	15	14	20	14	20	15	20
6	GSK072A3	187-253	35	45	—	—	41	50	—	—
	GSK072A4	414-506	18	20	—	—	21	25	—	—
	GSK072AW	517-632	16	20	—	—	18	20	—	—
7.5	GSK090A3	187-253	40	50	—	—	46	60	—	—
	GSK090A4	414-506	20	25	—	—	24	30	—	—
	GSK090AW	517-632	17	20	—	—	20	25	—	—
8.5	GSK102A3	187-253	50	70	—	—	55	70	—	—
	GSK102A4	414-506	24	30	—	—	27	35	—	—
	GSK102AW	517-632	20	25	—	—	22	30	—	—
10	GSK120A3	187-253	56	80	—	—	62	80	—	—
	GSK120A4	414-506	29	40	—	—	32	45	—	—
	GSK120AW	517-632	23	30	—	—	25	35	—	—
12.5	GSK150A3	187-253	70	90	—	—	75	100	—	—
	GSK150A4	414-506	35	45	—	—	38	50	—	—
	GSK150AW	517-632	27	35	—	—	29	35	—	—
15	GSK180A3	187-253	75	100	—	—	81	110	—	—
	GSK180A4	414-506	37	50	—	—	40	50	—	—
	GSK180AW	517-632	30	40	—	—	32	40	—	—
17.5	GSK210A3	187-253	86	110	—	—	92	125	—	—
	GSK210A4	414-506	42	50	—	—	46	60	—	—
	GSK210AW	517-632	34	45	—	—	37	50	—	—
20	GSK240A3	187-253	100	125	—	—	105	125	—	—
	GSK240A4	414-506	50	70	—	—	53	70	—	—
	GSK240AW	517-632	37	50	—	—	39	50	—	—
25	GSK300A3	187-253	110	150	114	150	115	150	120	150
	GSK300A4	414-506	54	70	56	70	57	80	59	80
	GSK300AW	517-632	39	50	40	50	41	50	42	50

Table 46. Unit wiring with electric heat

Tons	Unit Model Number	Heater Model Number	Heater kW Rating	Control Stages	Standard Indoor Fan Motor[a]		Oversized/High Static Indoor Fan Motor		Optional Power Exhaust Standard Indoor Fan Motor		Optional Power Exhaust Oversized/High Static Indoor Fan Motor	
					MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker
208/230 Volts Three Phase												
3	GSK036A3	FIAEHTA306*	6	1	37/40	45/45	40/42	45/50	40/42	45/50	42/45	50/50
		FIAEHTA312*	12	2	53/58	60/60	56/60	60/60	55/60	60/60	58/63	60/70
4	GSK048A3	FIAEHTA306*	6	1	42/44	50/50	43/45	50/50	44/46	50/50	45/47	50/50
		FIAEHTA312*	12	2	57/62	60/70	58/63	60/70	59/64	60/70	61/65	70/70
5	GSK060A3	FIAEHTA312*	12	2	59/64	60/70	61/65	70/70	61/66	70/70	63/68	70/70
6	GSK072A3	FIAEHWB309*	9	1	59/62	60/70	—	—	64/68	70/70	—	—
		FIAEHWB318*	18	2	83/89	90/90	—	—	88/95	90/100	—	—
		FIAEHWB327*	27	2	106/116	110/125	—	—	111/122	125/125	—	—
		FIAEHWB336*	36	2	129/143	150/150	—	—	135/149	150/150	—	—
7.5	GSK090A3	FIAEHWB309*	9	1	63/67	70/70	—	—	69/73	80/80	—	—
		FIAEHWB318*	18	2	87/94	90/100	—	—	92/100	100/100	—	—
		FIAEHWB327*	27	2	110/121	110/125	—	—	116/127	125/150	—	—
		FIAEHWB336*	36	2	134/148	150/150	—	—	139/154	150/175	—	—
8.5	GSK102A3	FIAEHWB309*	9	1	73/77	80/90	—	—	79/83	90/90	—	—
		FIAEHWB318*	18	2	97/104	100/110	—	—	102/110	110/110	—	—
		FIAEHWB327*	27	2	120/131	125/150	—	—	126/137	150/150	—	—
		FIAEHWB336*	36	2	144/158	150/175	—	—	149/164	150/175	—	—
10	GSK120A3	FIAEHWC318*	18	1	103/110	110/110	—	—	109/116	110/125	—	—
		FIAEHWC327*	27	2	127/137	150/150	—	—	132/143	150/150	—	—
		FIAEHWC336*	36	2	150/164	150/175	—	—	156/170	175/175	—	—
		FIAEHWC354*	54	2	197/186	200/200	—	—	203/192	225/200	—	—
12.5	GSK150A3	FIAEHWD318*	18	1	117/124	125/125	—	—	122/130	125/150	—	—
		FIAEHWD336*	36	2	164/178	175/200	—	—	169/184	175/200	—	—
		FIAEHWD354*	54	2	211/200	225/225	—	—	216/205	225/225	—	—
15	GSK180A3	FIAEHWD318*	18	1	122/129	125/150	—	—	128/135	150/150	—	—
		FIAEHWD336*	36	2	169/183	175/200	—	—	174/189	175/200	—	—
		FIAEHWD354*	54	2	216/205	225/225	—	—	221/211	225/225	—	—
17.5	GSK210A3	FIAEHWD336*	36	2	180/195	200/200	—	—	186/200	200/200	—	—
		FIAEHWD354*	54	2	227/216	250/250	—	—	233/222	250/250	—	—
		FIAEHWD372*	72	2	236/259	250/300	—	—	242/265	250/300	—	—
20	GSK240A3	FIAEHWD336*	36	2	193/208	200/225	—	—	199/214	200/225	—	—
		FIAEHWD354*	54	2	240/230	250/250	—	—	246/235	250/250	—	—
		FIAEHWD372*	72	2	250/273	250/300	—	—	255/279	300/300	—	—
25	GSK300A3	FIAEHWD336*	36	2	203/218	225/225	208/222	225/225	209/224	225/250	214/228	225/250
		FIAEHWD354*	54	2	250/240	250/250	255/244	300/250	256/245	300/250	260/250	300/250
		FIAEHWD372*	72	2	260/283	300/300	264/287	300/300	265/289	300/300	270/293	300/300
460 Volts Three Phase												

Table 46. Unit wiring with electric heat (continued)

Tons	Unit Model Number	Heater Model Number	Heater kW Rating	Control Stages	Standard Indoor Fan Motor[a]		Oversized/High Static Indoor Fan Motor		Optional Power Exhaust Standard Indoor Fan Motor		Optional Power Exhaust Oversized/High Static Indoor Fan Motor	
					MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker
3	GSK036A4	FIAEHTA406*	6	1	19	20	21	25	20	20	22	25
		FIAEHTA412*	12	2	28	30	30	30	29	30	31	35
4	GSK048A4	FIAEHTA406*	6	1	21	25	22	25	22	25	24	25
		FIAEHTA412*	12	2	30	30	31	35	31	35	33	35
5	GSK060A4	FIAEHTA412*	12	2	31	35	33	35	32	35	34	35
6	GSK072A4	FIAEHWB409*	9	1	32	35	—	—	35	35	—	—
		FIAEHWB418*	18	2	45	45	—	—	48	50	—	—
		FIAEHWB427*	27	2	59	60	—	—	62	70	—	—
		FIAEHWB436*	36	2	72	80	—	—	75	80	—	—
7.5	GSK090A4	FIAEHWB409*	9	1	34	35	—	—	37	40	—	—
		FIAEHWB418*	18	2	47	50	—	—	51	60	—	—
		FIAEHWB427*	27	2	61	70	—	—	64	70	—	—
		FIAEHWB436*	36	2	75	80	—	—	78	80	—	—
8.5	GSK102A4	FIAEHWB409*	9	1	38	40	—	—	41	45	—	—
		FIAEHWB418*	18	2	51	60	—	—	54	60	—	—
		FIAEHWB427*	27	2	65	70	—	—	68	70	—	—
		FIAEHWB436*	36	2	78	80	—	—	82	90	—	—
10	GSK120A4	FIAEHWC418*	18	1	56	60	—	—	59	60	—	—
		FIAEHWC427*	27	2	70	70	—	—	73	80	—	—
		FIAEHWC436*	36	2	83	90	—	—	86	90	—	—
		FIAEHWC454*	54	2	94	110	—	—	97	110	—	—
12.5	GSK150A4	FIAEHWD418*	18	1	62	70	—	—	65	70	—	—
		FIAEHWD436*	36	2	89	90	—	—	92	100	—	—
		FIAEHWD454*	54	2	100	110	—	—	103	110	—	—
15	GSK180A4	FIAEHWD418*	18	1	64	70	—	—	68	70	—	—
		FIAEHWD436*	36	2	91	100	—	—	95	100	—	—
		FIAEHWD454*	54	2	102	110	—	—	105	110	—	—
17.5	GSK210A4	FIAEHWD436*	36	2	97	100	—	—	100	100	—	—
		FIAEHWD454*	54	2	107	110	—	—	111	125	—	—
		FIAEHWD472*	72	2	129	150	—	—	132	150	—	—
20	GSK240A4	FIAEHWD436*	36	2	104	110	—	—	107	110	—	—
		FIAEHWD454*	54	2	115	125	—	—	118	125	—	—
		FIAEHWD472*	72	2	137	150	—	—	140	150	—	—
25	GSK300A4	FIAEHWD436*	36	2	108	110	110	110	111	125	113	125
		FIAEHWD454*	54	2	119	125	121	125	122	125	124	125
		FIAEHWD472*	72	2	140	150	142	150	144	150	146	150
575 Volts Three Phase												

Table 46. Unit wiring with electric heat (continued)

Tons	Unit Model Number	Heater Model Number	Heater kW Rating	Control Stages	Standard Indoor Fan Motor[a]		Oversized/High Static Indoor Fan Motor		Optional Power Exhaust Standard Indoor Fan Motor		Optional Power Exhaust Oversized/High Static Indoor Fan Motor	
					MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker
3	GSK036AW	FIAEHTAW06*	6	1	16	20	17	20	17	20	18	20
		FIAEHTAW12*	12	2	24	25	25	25	25	25	26	30
4	GSK048AW	FIAEHTAW06*	6	1	19	20	20	20	20	20	21	25
		FIAEHTAW12*	12	2	26	30	27	30	27	30	28	30
5	GSK060AW	FIAEHTAW12*	12	2	27	30	28	30	28	30	29	30
6	GSK072AW	FIAEHWBW09*	9	1	27	30	—	—	29	30	—	—
		FIAEHWBW18*	18	2	38	40	—	—	40	40	—	—
		FIAEHWBW27*	27	2	48	50	—	—	51	60	—	—
		FIAEHWBW36*	36	2	59	60	—	—	61	70	—	—
7.5	GSK090AW	FIAEHWBW09*	9	1	28	30	—	—	30	35	—	—
		FIAEHWBW18*	18	2	39	40	—	—	41	45	—	—
		FIAEHWBW27*	27	2	50	50	—	—	52	60	—	—
		FIAEHWBW36*	36	2	61	70	—	—	63	70	—	—
8.5	GSK102AW	FIAEHWBW09*	9	1	31	35	—	—	33	35	—	—
		FIAEHWBW18*	18	2	42	45	—	—	44	45	—	—
		FIAEHWBW27*	27	2	53	60	—	—	55	60	—	—
		FIAEHWBW36*	36	2	63	70	—	—	66	70	—	—
10	GSK120AW	FIAEHWCW18*	18	1	45	50	—	—	47	50	—	—
		FIAEHWCW27*	27	2	56	60	—	—	58	60	—	—
		FIAEHWCW36*	36	2	66	70	—	—	69	70	—	—
		FIAEHWCW54*	54	2	75	80	—	—	77	80	—	—
12.5	GSK150AW	FIAEHWDW18*	18	1	48	50	—	—	51	60	—	—
		FIAEHWDW36*	36	2	70	70	—	—	72	80	—	—
		FIAEHWDW54*	54	2	79	80	—	—	81	90	—	—
15	GSK180AW	FIAEHWDW18*	18	1	51	60	—	—	54	60	—	—
		FIAEHWDW36*	36	2	73	80	—	—	75	80	—	—
		FIAEHWDW54*	54	2	82	90	—	—	84	90	—	—
17.5	GSK210AW	FIAEHWDW36*	36	2	78	80	—	—	80	80	—	—
		FIAEHWDW54*	54	2	86	100	—	—	89	100	—	—
		FIAEHWDW72*	72	2	104	110	—	—	106	110	—	—
20	GSK240AW	FIAEHWDW36*	36	2	80	80	—	—	82	90	—	—
		FIAEHWDW54*	54	2	89	100	—	—	91	100	—	—
		FIAEHWDW72*	72	2	106	110	—	—	108	110	—	—
25	GSK300AW	FIAEHWDW36*	36	2	82	90	83	90	84	90	86	100
		FIAEHWDW54*	54	2	91	100	92	100	93	100	94	110
		FIAEHWDW72*	72	2	108	110	109	125	110	125	112	125

Note: Kit used with Title 24/SZVAV models.

[a] The standard motor is a multispeed, direct drive motor.

Table 47. Electrical characteristics - compressor motor

Tons	Unit Model Number	No.	Compressor Motors				
			Volts	Phase	rpm	Amps[a]	
						RLA	LRA
3	GSK036A3	1	208/230	3	3500	12.5	97.5
	GSK036A4	1	460	3	3500	5.9	44.3
	GSK036AW	1	575	3	3500	4.6	27.1
4	GSK048A3	1	208/230	3	3500	14.8	120.4
	GSK048A4	1	460	3	3500	7.0	49.4
	GSK048AW	1	575	3	3500	6.7	41.0
5	GSK060A3	1	208/230	3	3500	16.5	156.4
	GSK060A4	1	460	3	3500	8.1	69.0
	GSK060AW	1	575	3	3500	7.4	47.8
6	GSK072A3	2	208/230	3	3500	14.8/7.4	120.4/58.7
	GSK072A4	2	460	3	3500	7/4.2	49.4/26.3
	GSK072AW	2	575	3	3500	6.7/3.8	41/24
7.5	GSK090A3	2	208/230	3	3500	16.5/9.9	156.4/67.7
	GSK090A4	2	460	3	3500	8.1/5.2	69/38.1
	GSK090AW	2	575	3	3500	7.4/4.4	47.8/27.7
8.5	GSK102A3	2	208/230	3	3500	21.8/13.2	156.5/97.5
	GSK102A4	2	460	3	3500	10.5/5.9	74.8/44.3
	GSK102AW	2	575	3	3500	8.9/5.2	47.8/27.1
10	GSK120A3	2	208/230	3	3500	25.2/13.2	210/97.5
	GSK120A4	2	460	3	3500	13.7/5.9	103/44.3
	GSK120AW	2	575	3	3500	10.8/5.2	78/27.1
12.5	GSK150A3	2	208/230	3	3500	29.5/14.8	207.5/120.4
	GSK150A4	2	460	3	3500	14.4/7	100.2/49.4
	GSK150AW	2	575	3	3500	10.4/6.7	78/41
15	GSK180A3	2	208/230	3	3500	32.3/16.5	255/156.4
	GSK180A4	2	460	3	3500	15.5/8.1	123/69
	GSK180AW	2	575	3	3500	12.4/7.4	93.7/47.8
17.5	GSK210A3	2	208/230	3	3500	37.1/21.8	255/156.5
	GSK210A4	2	460	3	3500	17.8/10.5	140/74.8
	GSK210AW	2	575	3	3500	14.9/8.9	107.6/47.8
20	GSK240A3	2	208/230	3	3500	44.5/25.9	270/178.5
	GSK240A4	2	460	3	3500	22.4/12.2	147/79.1
	GSK240AW	2	575	3	3500	15.8/9.9	109/65
25	GSK300A3	2	208/230	3	3500	49.2/30	335.5/190.7
	GSK300A4	2	460	3	3500	23.8/14.4	141/100.2
	GSK300AW	2	575	3	3500	16.7/10.9	109/65

[a] Amp draw for each compressor motor.

Table 48. Electrical characteristics - indoor fan motor

Tons	Unit Model Number	No.	Volts	Phase	hp	Amps[a]
						FLA / LRA
3	GSK036A3	1	208/230	1	0.75	5.7
	GSK036A4	1	460	1	0.75	1.7
	GSK036AW	1	575	1	1	2.9
4	GSK048A3	1	208/230	1	1	6.9
	GSK048A4	1	460	1	1	2.4
	GSK048AW	1	575	1	1	2.9
5	GSK060A3	1	208/230	1	1	6.9
	GSK060A4	1	460	1	1	2.4
	GSK060AW	1	575	1	1	2.9
6	GSK072A3	1	208/230	3	3	8.8
	GSK072A4	1	460	3	3	4.6
	GSK072AW	1	575	3	3	3.2
7.5	GSK090A3	1	208/230	3	3	8.8
	GSK090A4	1	460	3	3	4.6
	GSK090AW	1	575	3	3	3.2
8.5	GSK102A3	1	208/230	3	3	8.8
	GSK102A4	1	460	3	3	4.6
	GSK102AW	1	575	3	3	3.2
10	GSK120A3	1	208/230	3	5	11
	GSK120A4	1	460	3	5	5.5
	GSK120AW	1	575	3	5	3.9
12.5	GSK150A3	2	208/230	3	3	8.8
	GSK150A4	2	460	3	3	4.6
	GSK150AW	2	575	3	3	3.2
15	GSK180A3	2	208/230	3	3	8.8
	GSK180A4	2	460	3	3	4.6
	GSK180AW	2	575	3	3	3.2
17.5	GSK210A3	2	208/230	3	3	8.8
	GSK210A4	2	460	3	3	4.6
	GSK210AW	2	575	3	3	3.2
20	GSK240A3	2	208/230	3	3	8.8
	GSK240A4	2	460	3	3	4.6
	GSK240AW	2	575	3	3	3.2
25	GSK300A3	2	208/230	3	3	8.8
	GSK300A4	2	460	3	3	4.6
	GSK300AW	2	575	3	3	3.2

[a] Amp draw for each motor (indoor fan motor); multiply value by number of motors to determine total amps.

Table 49. Electrical characteristics - oversized indoor fan motor

Tons	Unit Model Number	No.	Volts	Phase	hp	Amps[a]
						FLA / LRA
3	GSK036A3	1	208/230	1	1.5	8.2
	GSK036A4	1	460	1	1.5	4.2
	GSK036AW	1	575	1	1.5	3.9
4	GSK048A3	1	208/230	1	1.5	8.2
	GSK048A4	1	460	1	1.5	4.2
	GSK048AW	1	575	1	1.5	3.9
5	GSK060A3	1	208/230	1	1.5	8.2
	GSK060A4	1	460	1	1.5	4.2
	GSK060AW	1	575	1	1.5	3.9
25	GSK300A3	2	208/230	3	5	11
	GSK300A4	2	460	3	5	5.5
	GSK300AW	2	575	3	5	3.9

[a] Amp draw for each motor (**indoor** fan motor); multiply value by number of motors to determine total amps.

Table 50. Electrical characteristics - power exhaust

Tons	Volts	Phase	hp	rpm	FLA	LRA
3 to 5	208/230	1	0.33	1075	2.2	3.9
3 to 5	460	1	0.33	1075	1.1	2
3 to 5	575	1	0.33	1075	1	1.8
6 to 10	208/230	1	0.87	1075	5.7	13.6
6 to 10	460	1	0.87	1075	3.3	7.2
6 to 10	575	1	0.8	1075	2.3	5.8
12.5 to 25	208/230	1	0.87	1075	5.7	13.6
12.5 to 25	460	1	0.87	1075	3.3	7.2
12.5 to 25	575	1	0.8	1075	2.3	5.8

Note: For 6 to 10 ton models, rpm = two speed.

Dimensional Data

Figure 10. A.0 cabinet

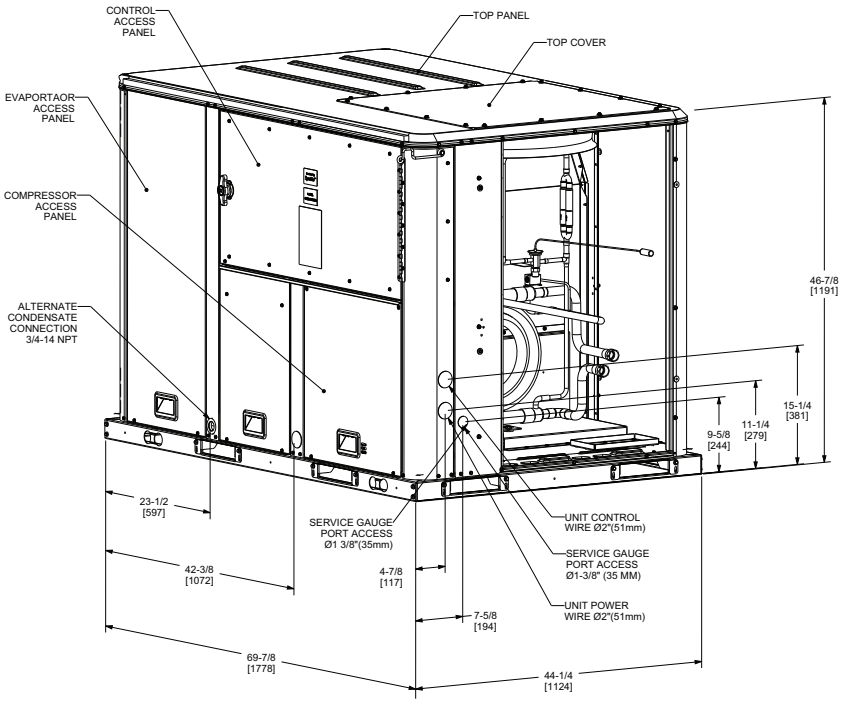


Figure 11. A.0 cabinet – downflow airflow supply/return, through-the-base utilities

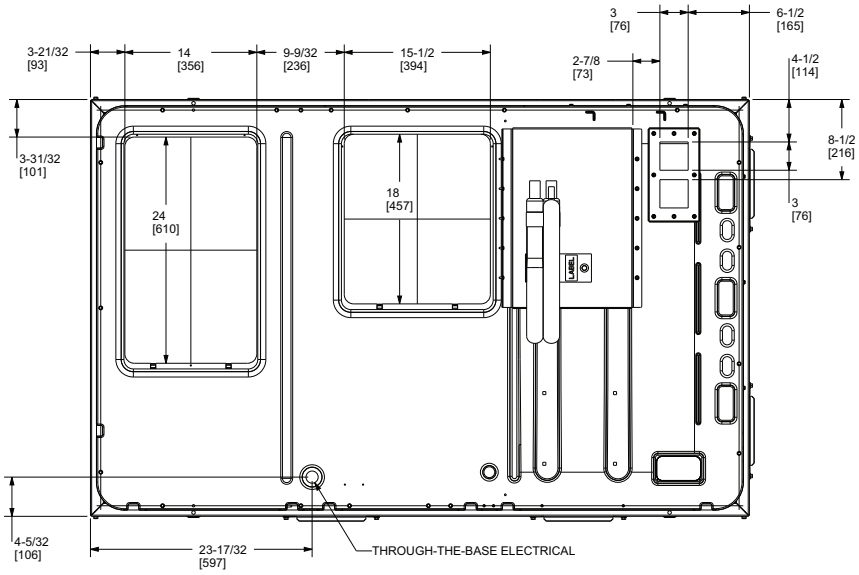


Figure 12. A.0 cabinet – horizontal airflow supply/return

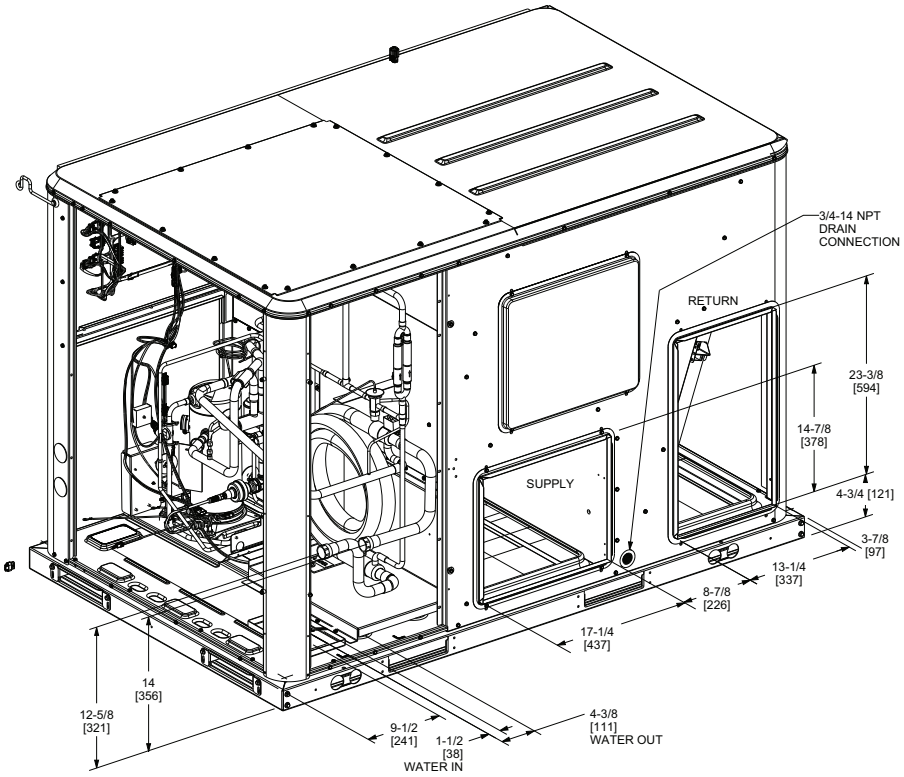


Figure 13. A.0 cabinet – unit clearance and roof opening

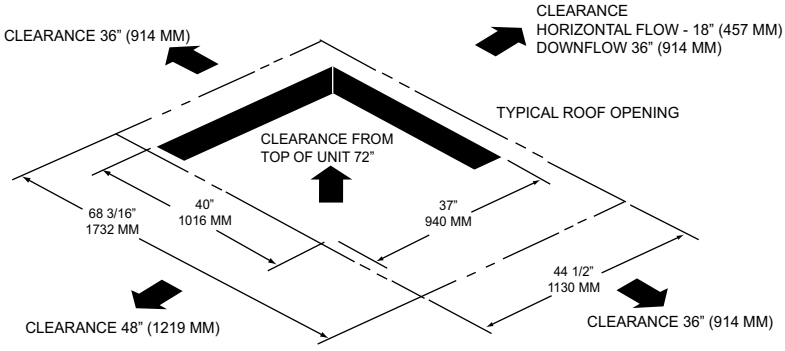


Figure 14. A.0 cabinet – roof curb

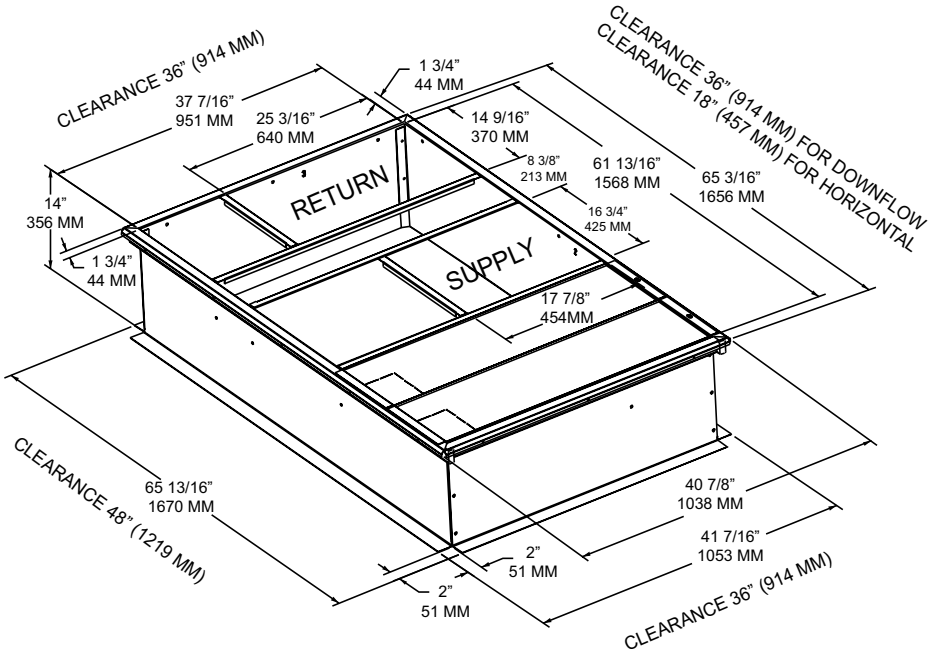


Figure 15. A.0 cabinet – downflow duct connections, field fabricated

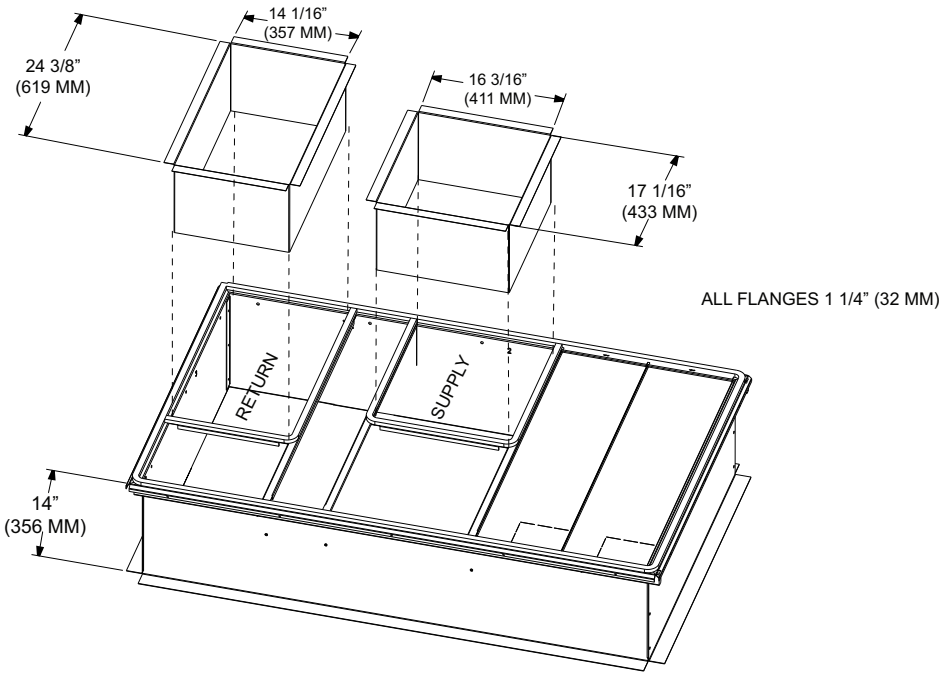


Figure 16. A.0 cabinet – swing diameter for hinged door(s) option

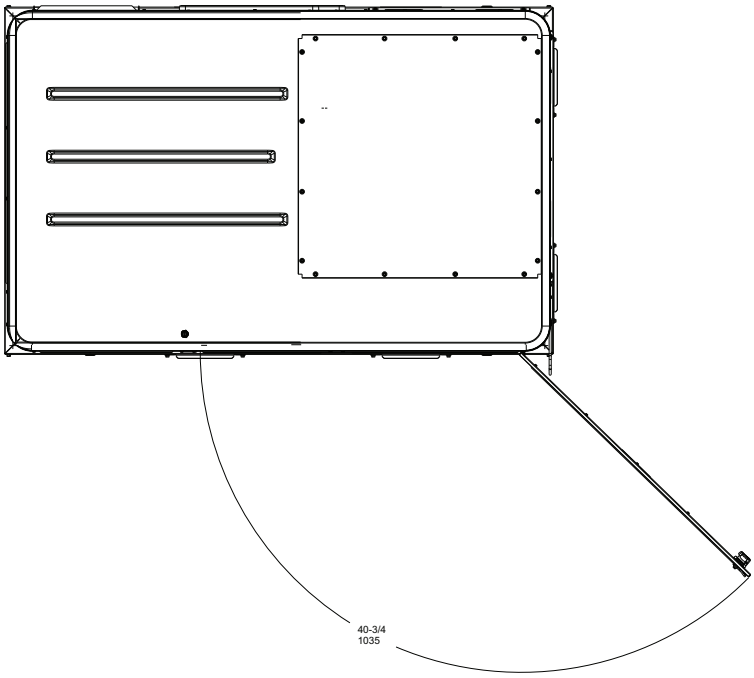


Figure 17. B.0 cabinet

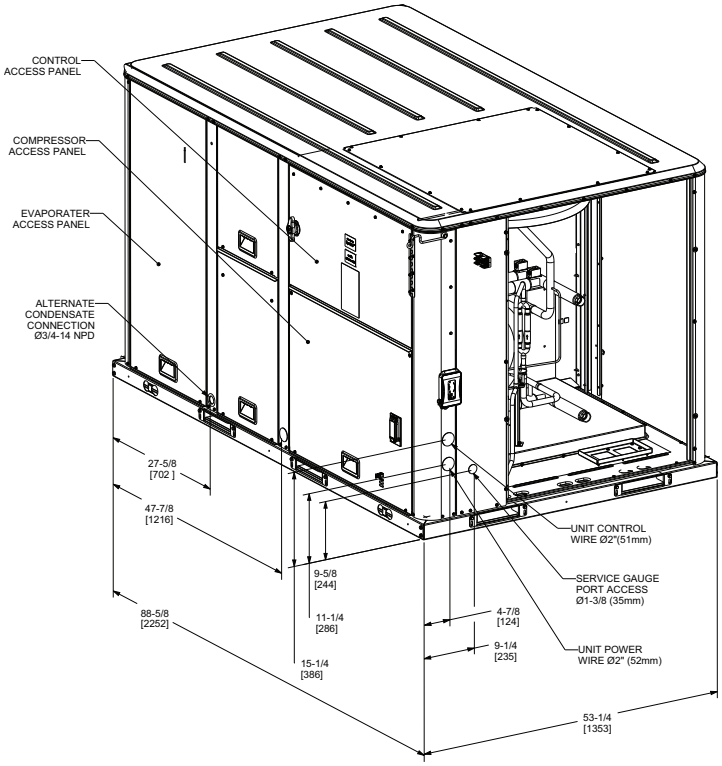


Figure 18. B.0 cabinet – downflow airflow supply/return, through-the-base utilities

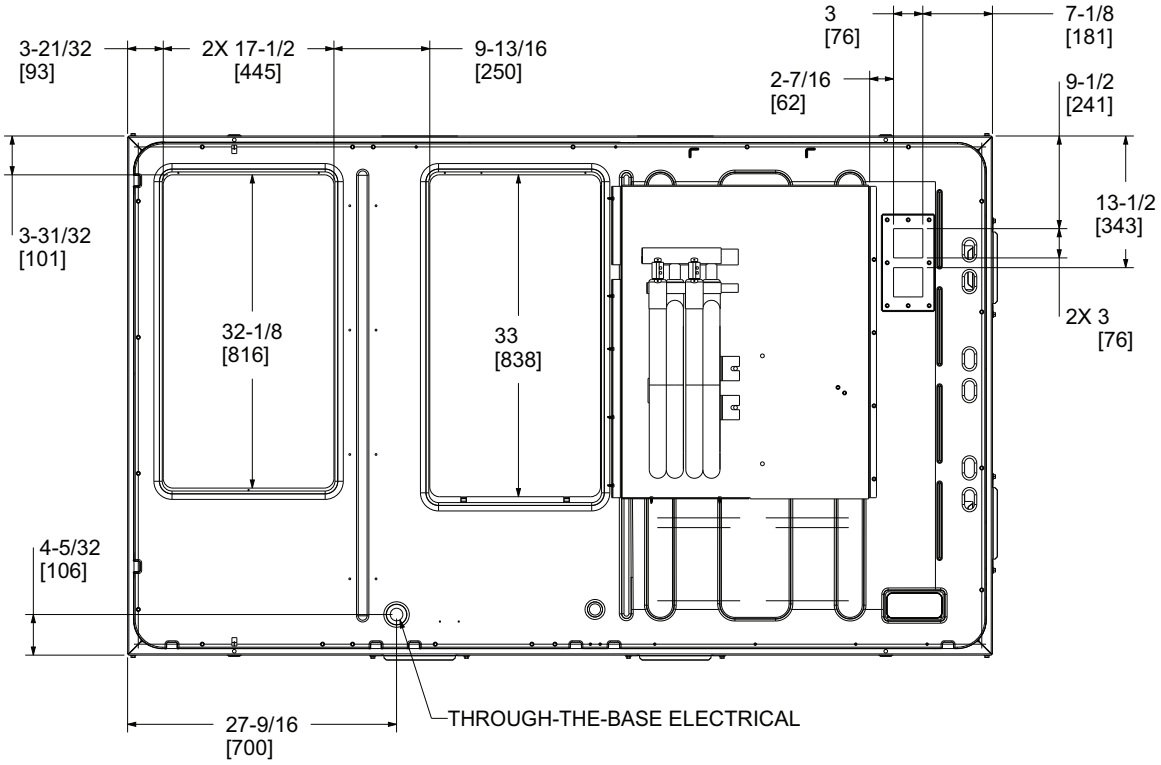


Figure 19. B.0 cabinet – horizontal airflow supply/return

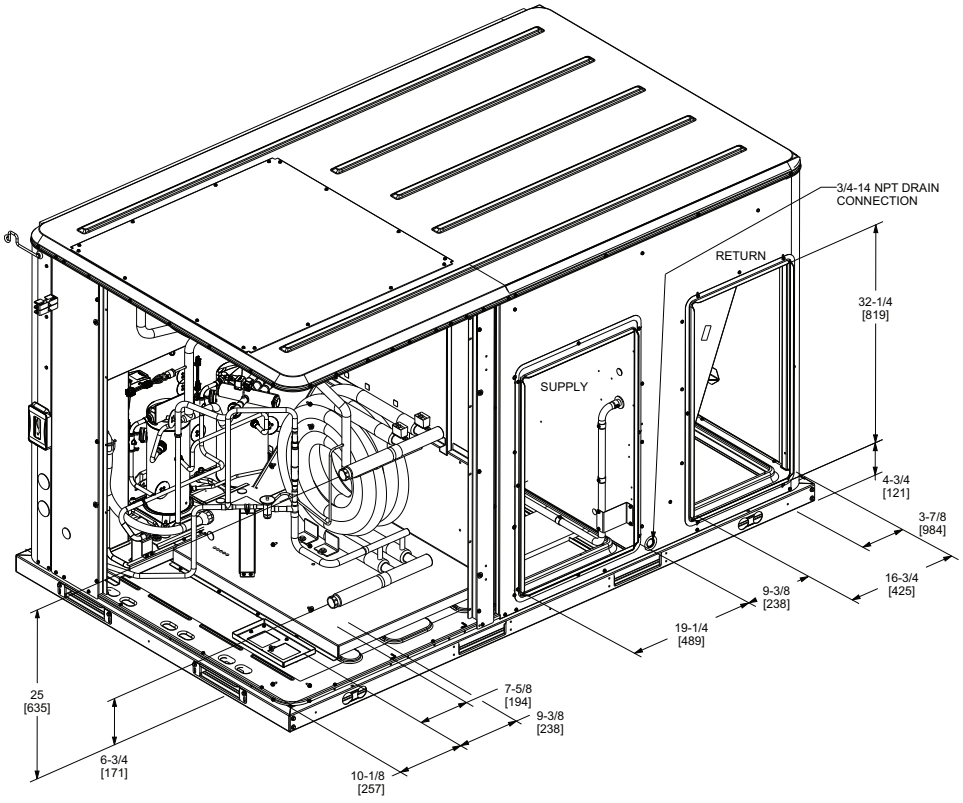


Figure 20. B.0 cabinet – unit clearance and roof opening

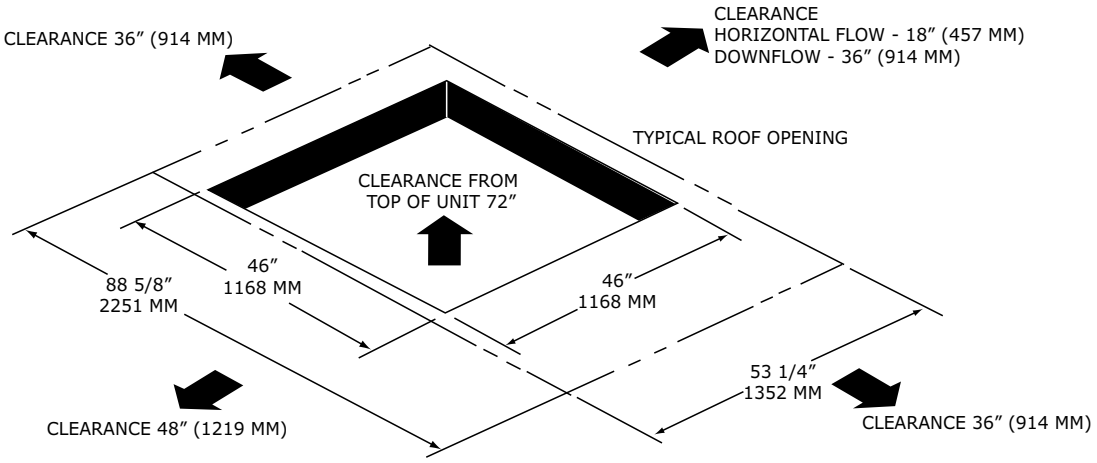


Figure 21. B.0 cabinet – roof curb

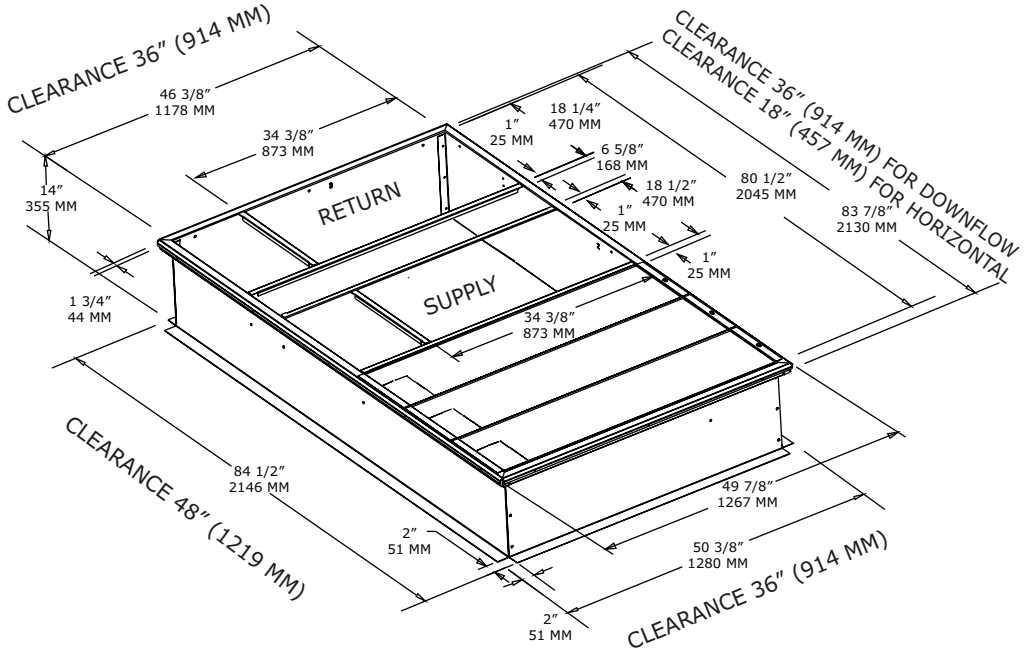


Figure 22. B.0 cabinet – downflow duct connections, field fabricated

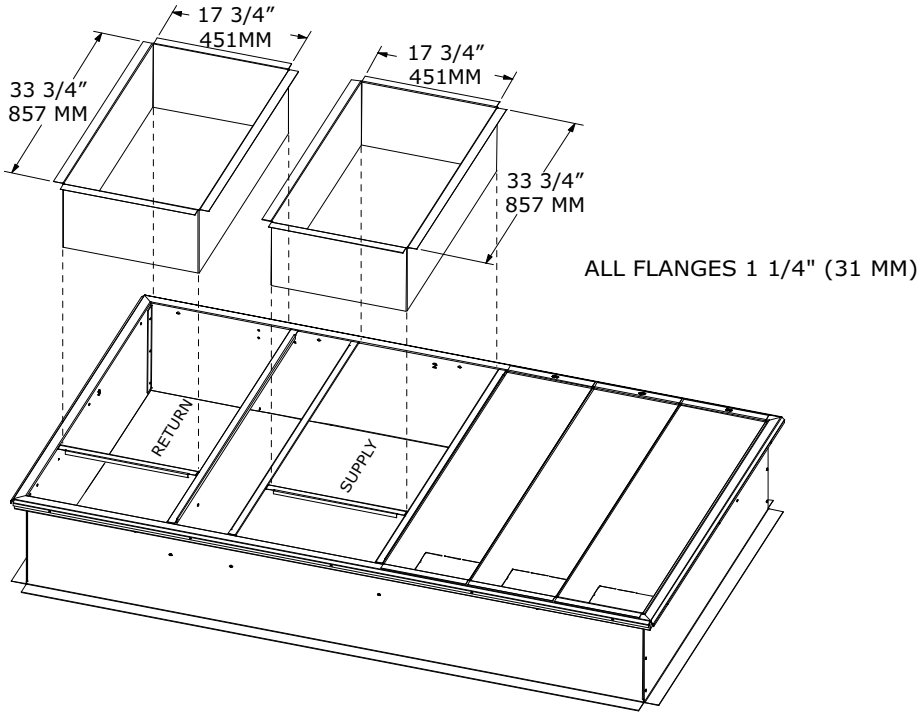


Figure 23. B.0 cabinet – swing diameter for hinged door(s) option

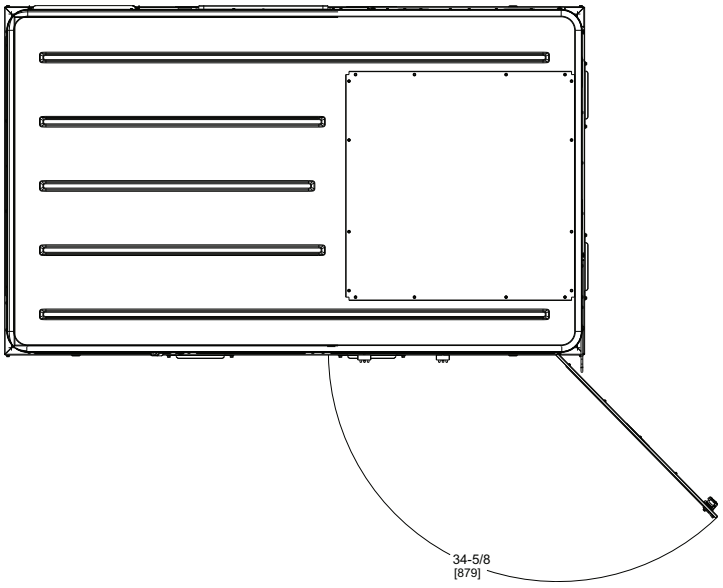


Figure 24. C.0 cabinet

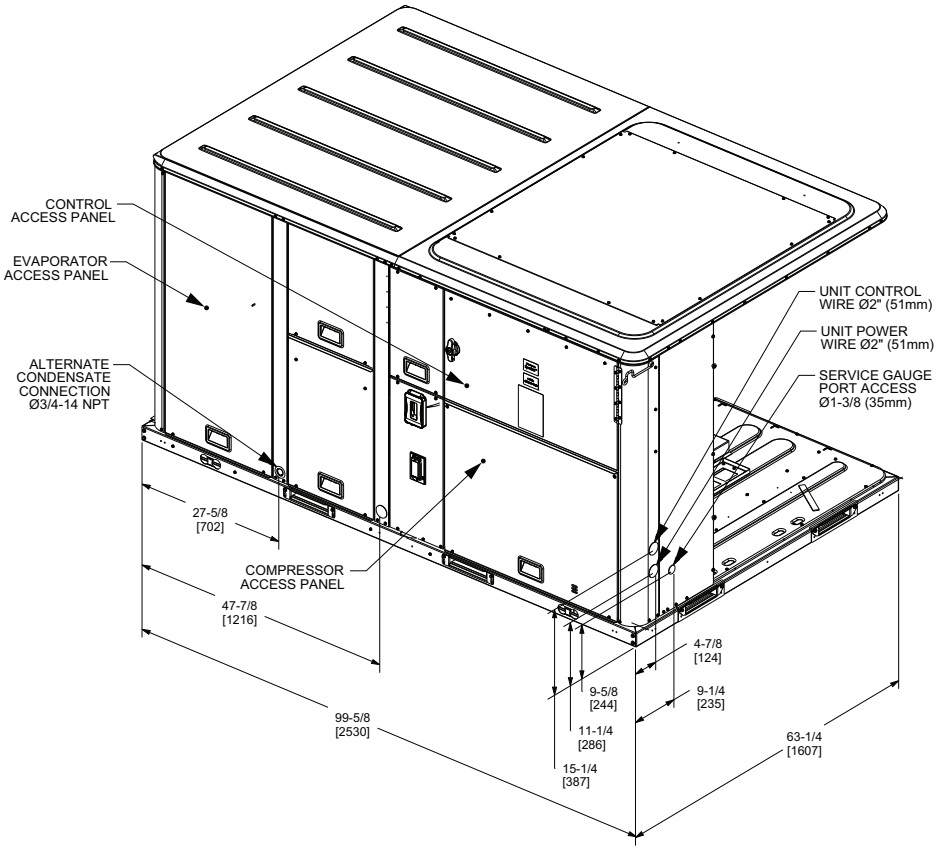


Figure 25. C.0 cabinet – downflow airflow supply/return, through-the-base utilities

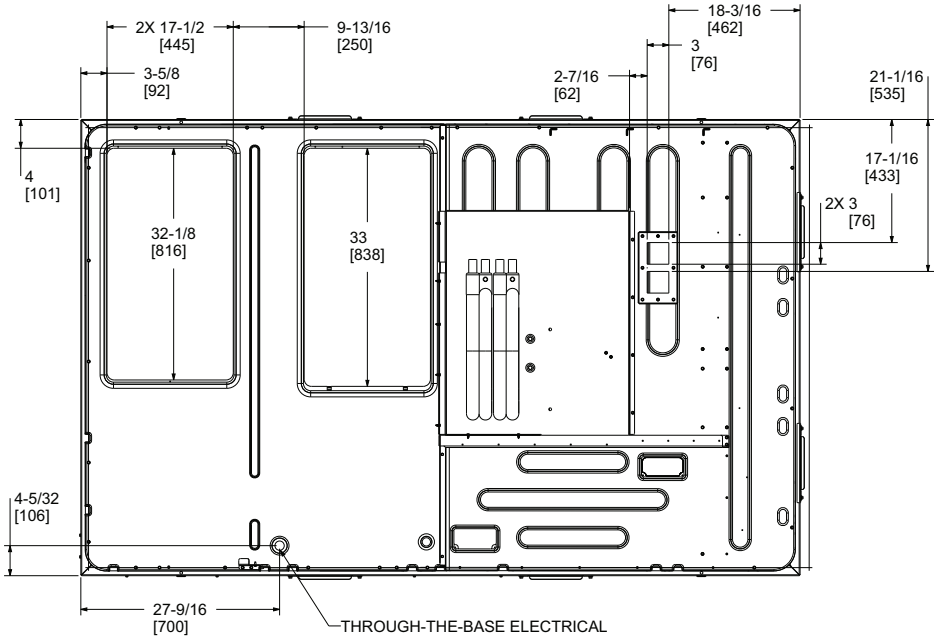


Figure 26. C.0 cabinet – horizontal airflow, supply and return

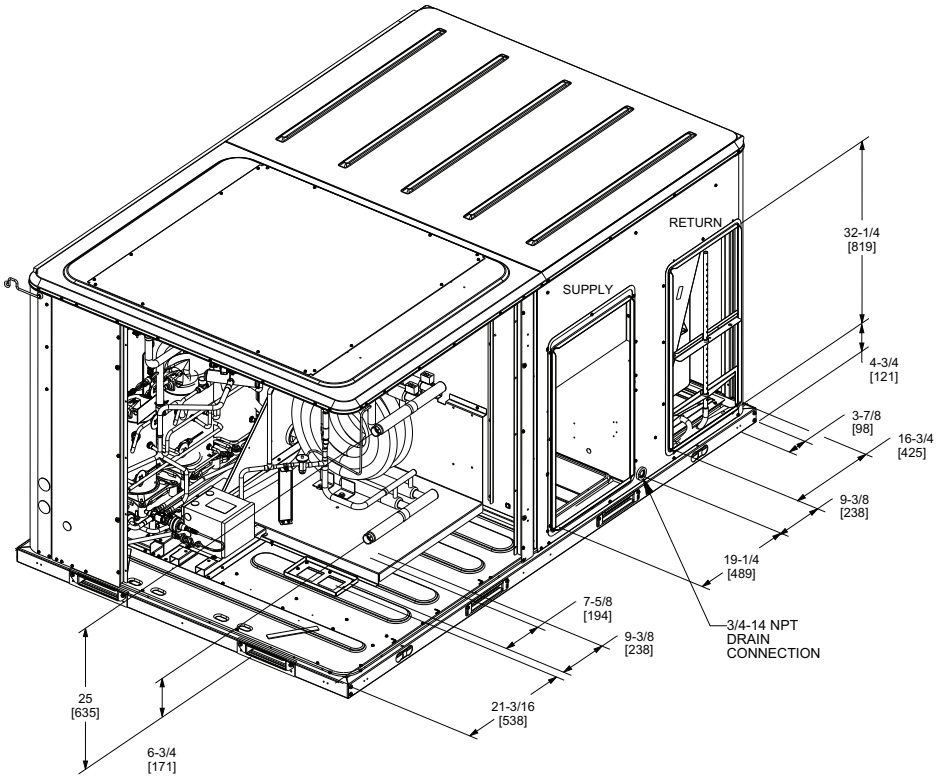


Figure 27. C.0 cabinet – unit clearance and roof opening

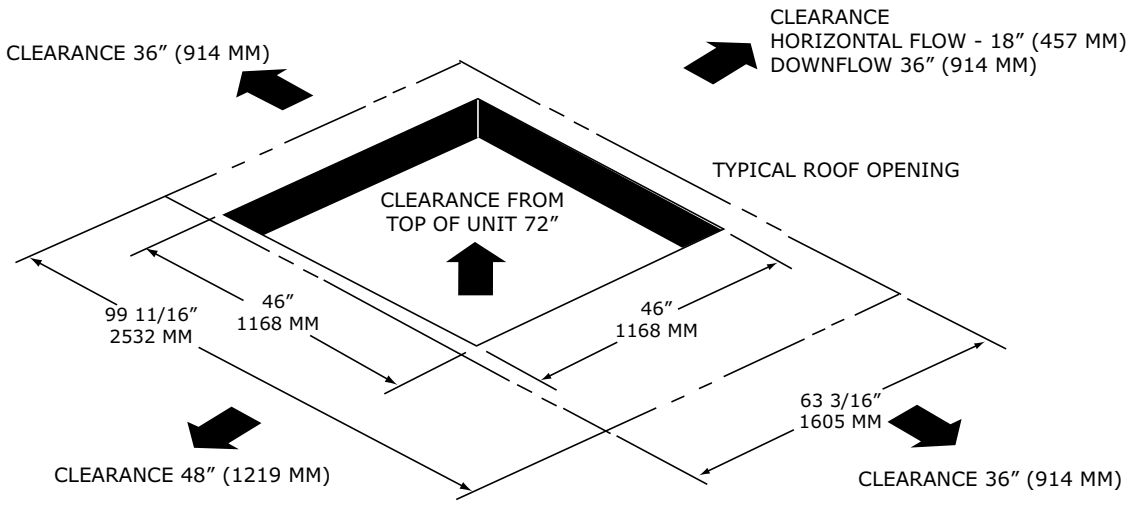


Figure 28. C.0 cabinet – roof curb

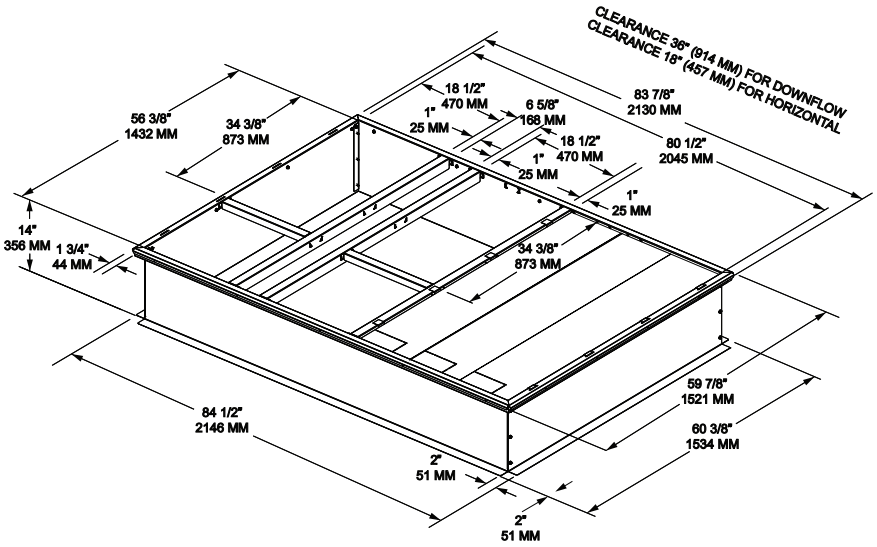


Figure 29. C.0 cabinet – swing diameter for hinged door(s) option

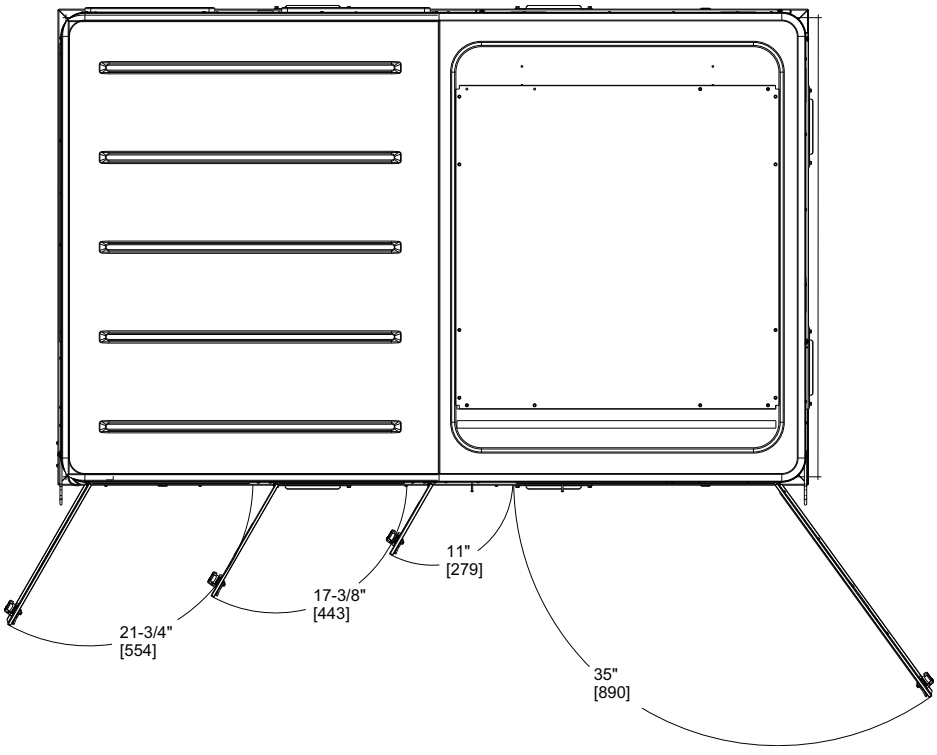
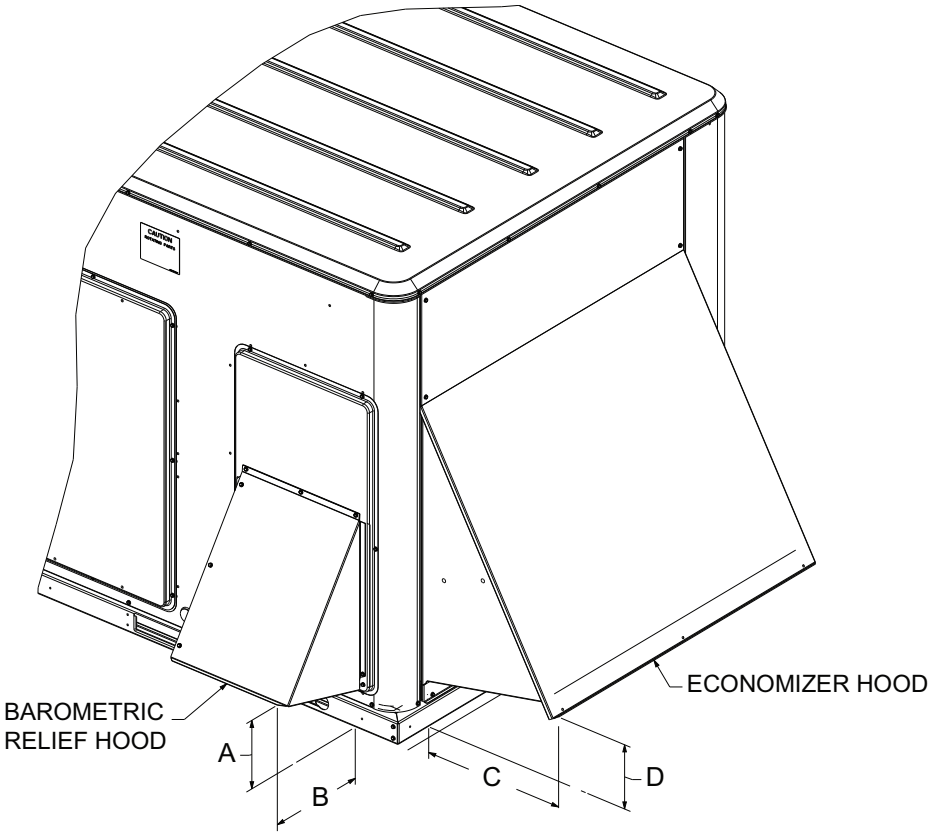
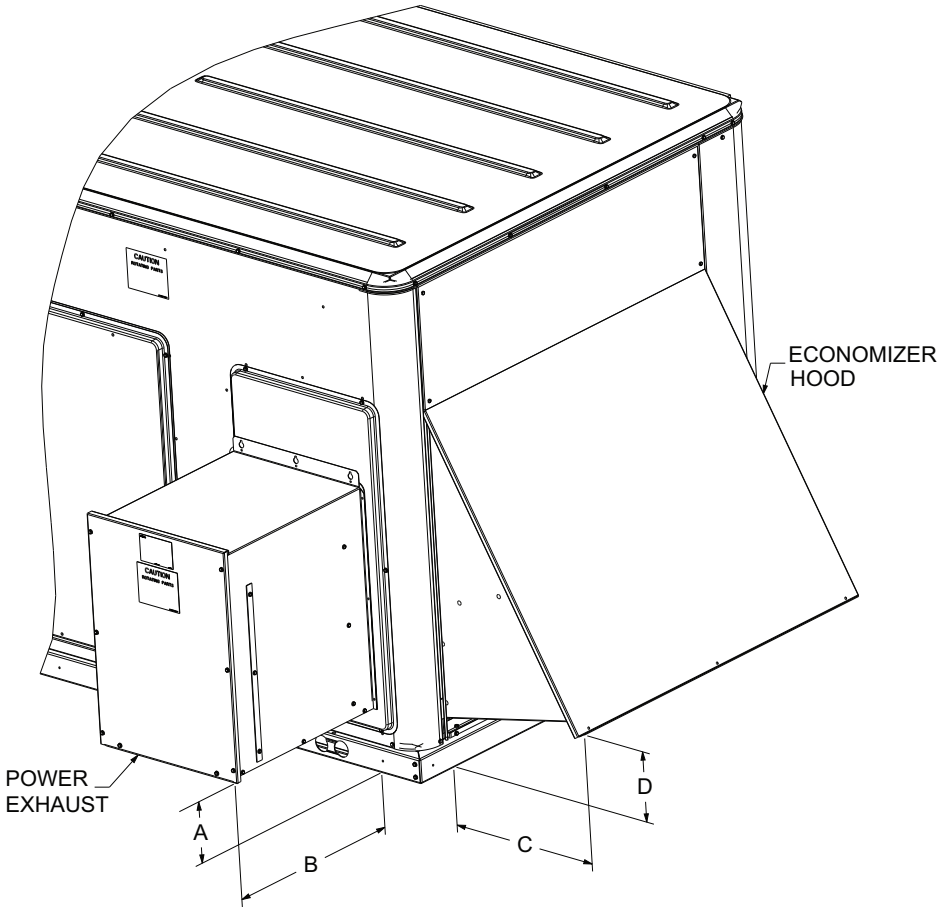


Figure 30. A.0, B.0 and C.0 cabinets – standard economizer, manual or motorized fresh air damper



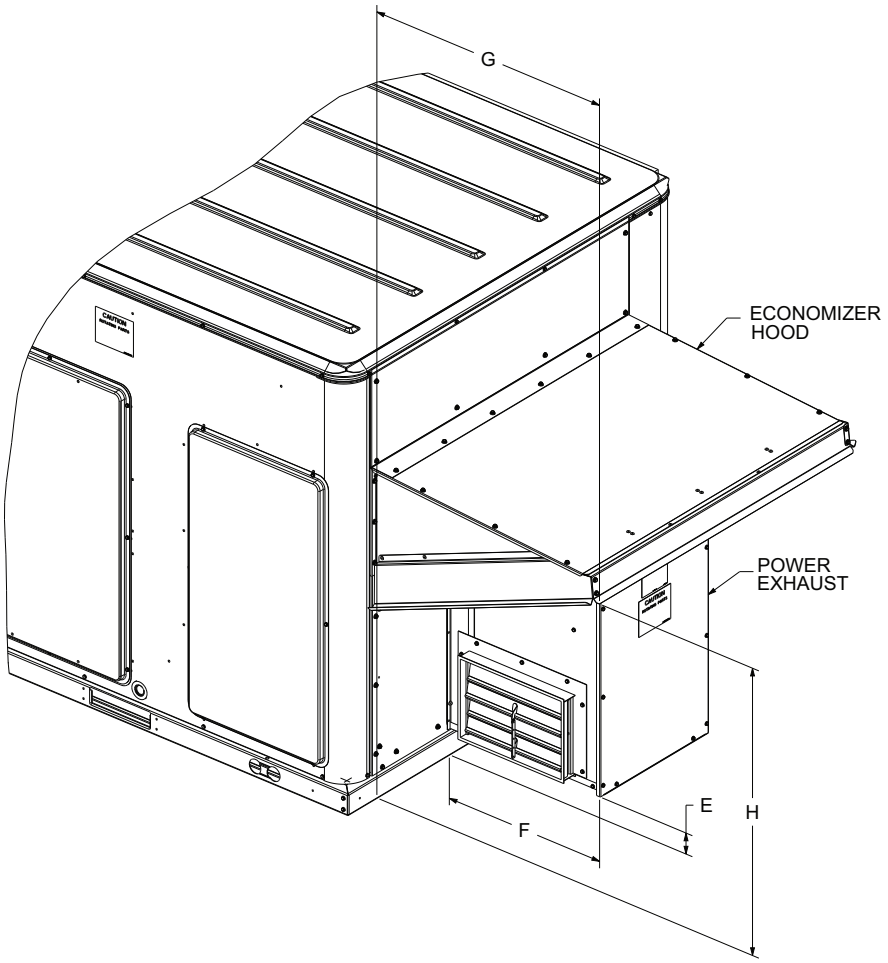
Cabinet	Dimension							
	A		B		C		D	
	inch	mm	inch	mm	inch	mm	inch	mm
A.0	6 7/8	175	9 1/8	232	12 1/2	318	6 1/4	159
B.0 and C.0	7 3/4	197	12	305	16 3/4	425	7 1/4	184

Figure 31. A.0, B.0 and C.0 cabinet – power exhaust with standard economizer



Cabinet	Dimension							
	A		B		C		D	
	inch	mm	inch	mm	inch	mm	inch	mm
A.0	6 1/4	159	16 3/4	425	12 1/2	318	6 1/4	159
B.0 and C.0	6 3/8	162	20 1/2	521	16 3/4	425	7 1/4	184

Figure 32. A.0, B.0 and C.0 cabinet – power exhaust with low leak economizer



Cabinet	Dimension							
	E		F		G		H	
	inch	mm	inch	mm	inch	mm	inch	mm
A.0	2 1/2	64	16	406	19 3/4	502	27	686
B.0 and C.0	2 1/2	64	19 3/4	502	29 1/4	743	33 1/2	852

Figure 33. D.0 and D.1 cabinets

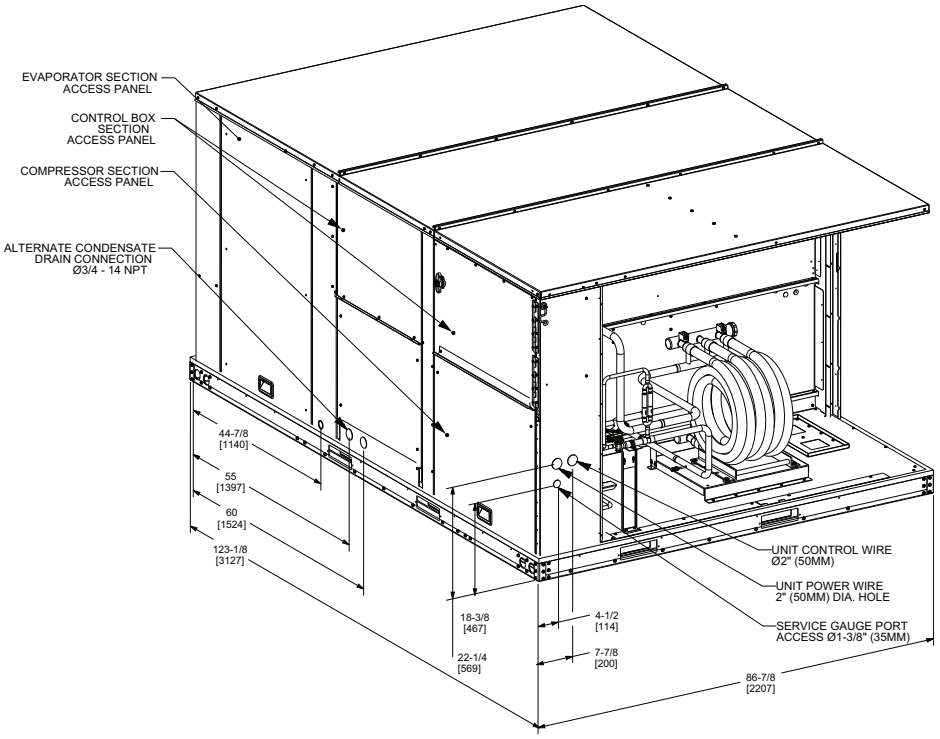


Figure 34. D.0 and D.1 cabinets – downflow airflow supply/return, through-the-base utilities

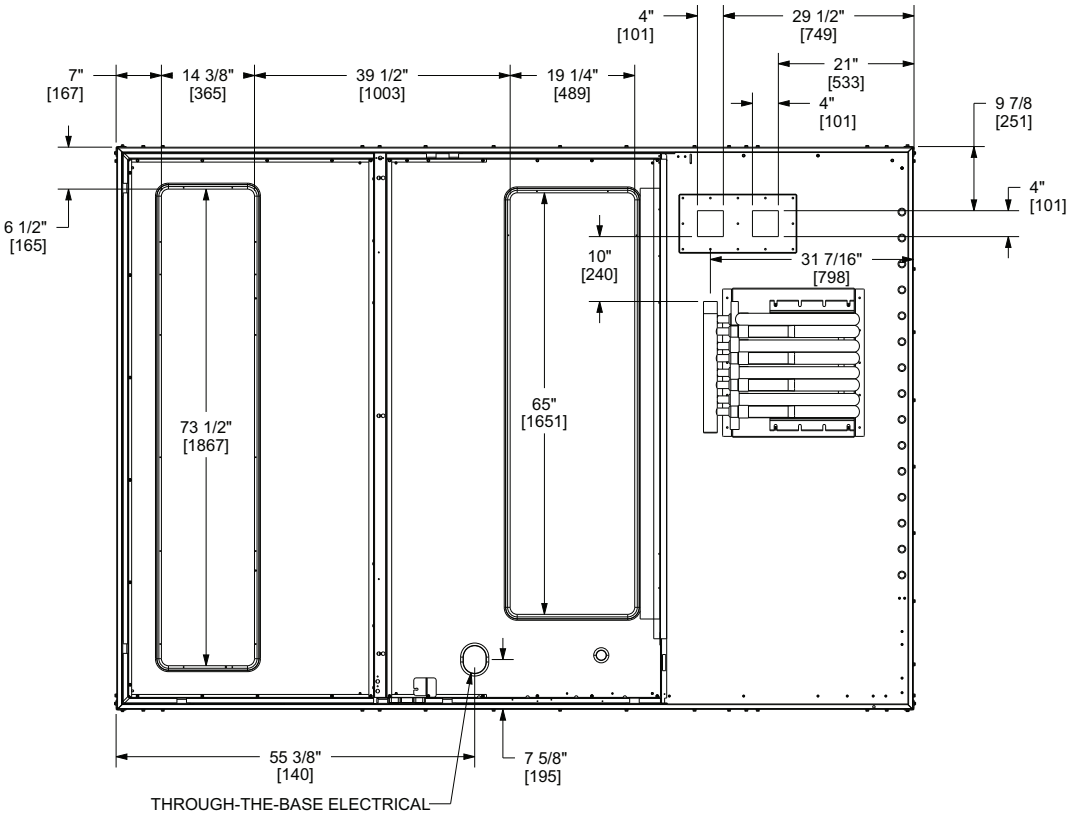


Figure 35. D.0 and D.1 cabinets – horizontal airflow supply/return

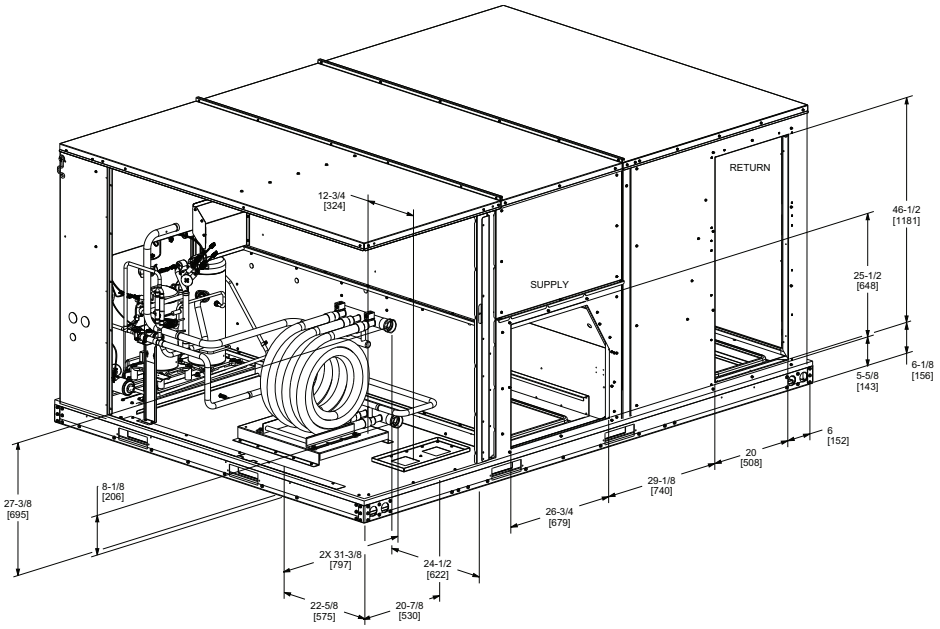


Figure 36. D.0 and D.1 cabinets – unit clearance and roof opening

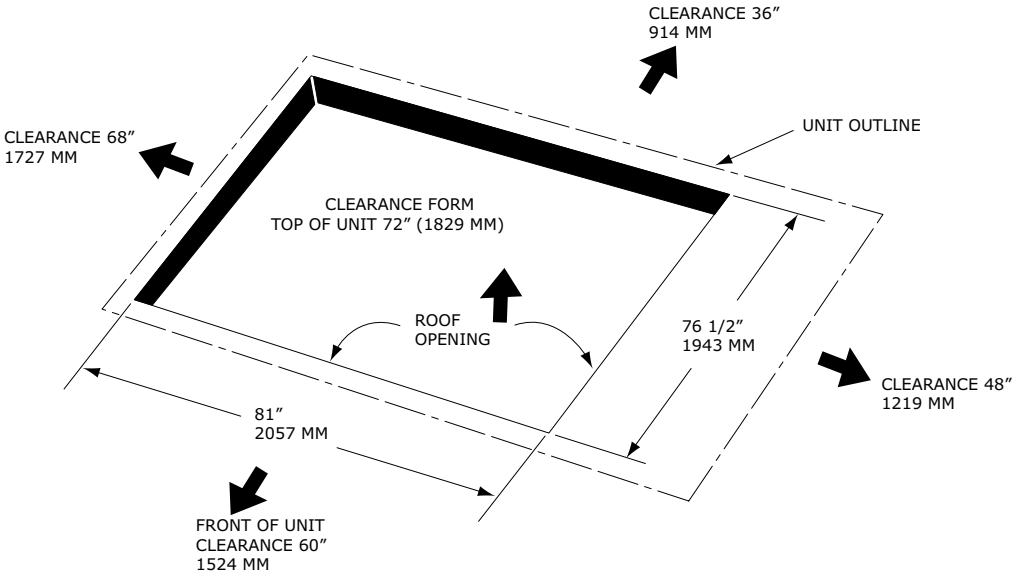


Figure 37. D.0 and D.1 cabinets – roof curb

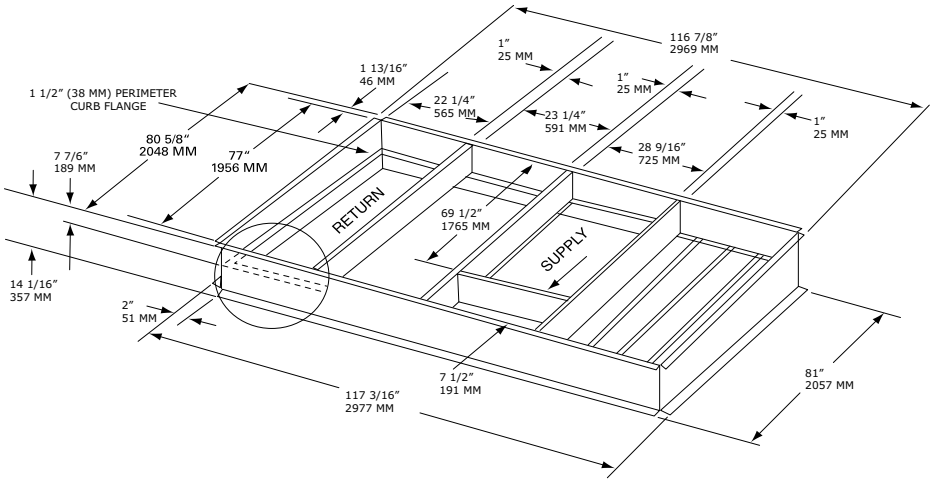


Figure 38. D.0 and D.1 cabinets – swing diameter for hinged door(s) option

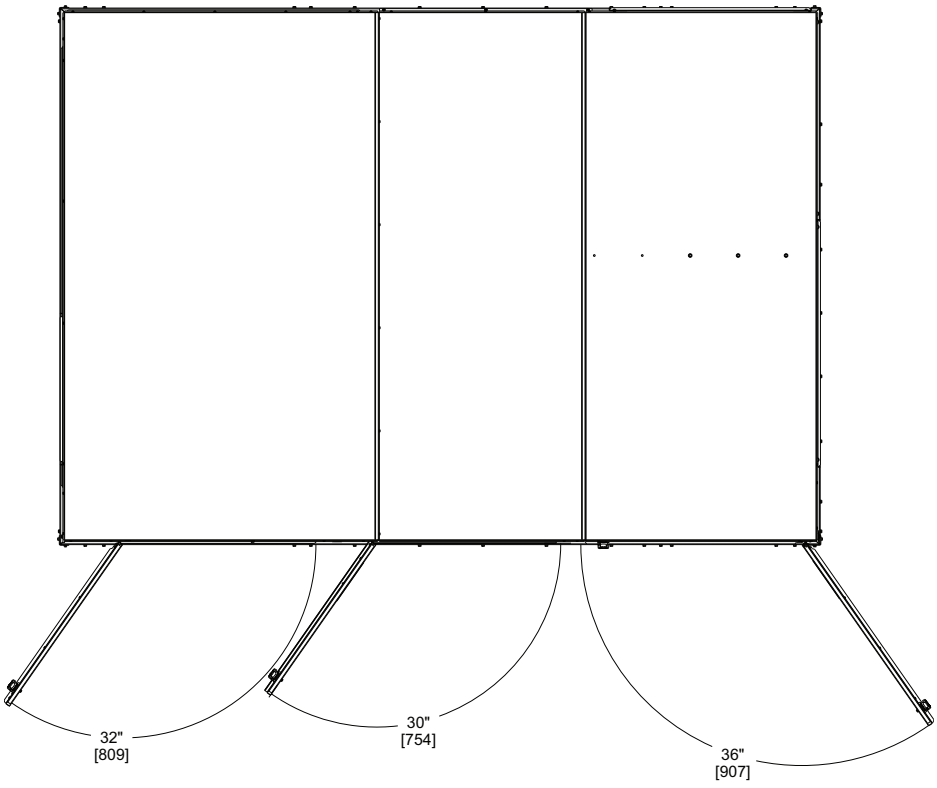
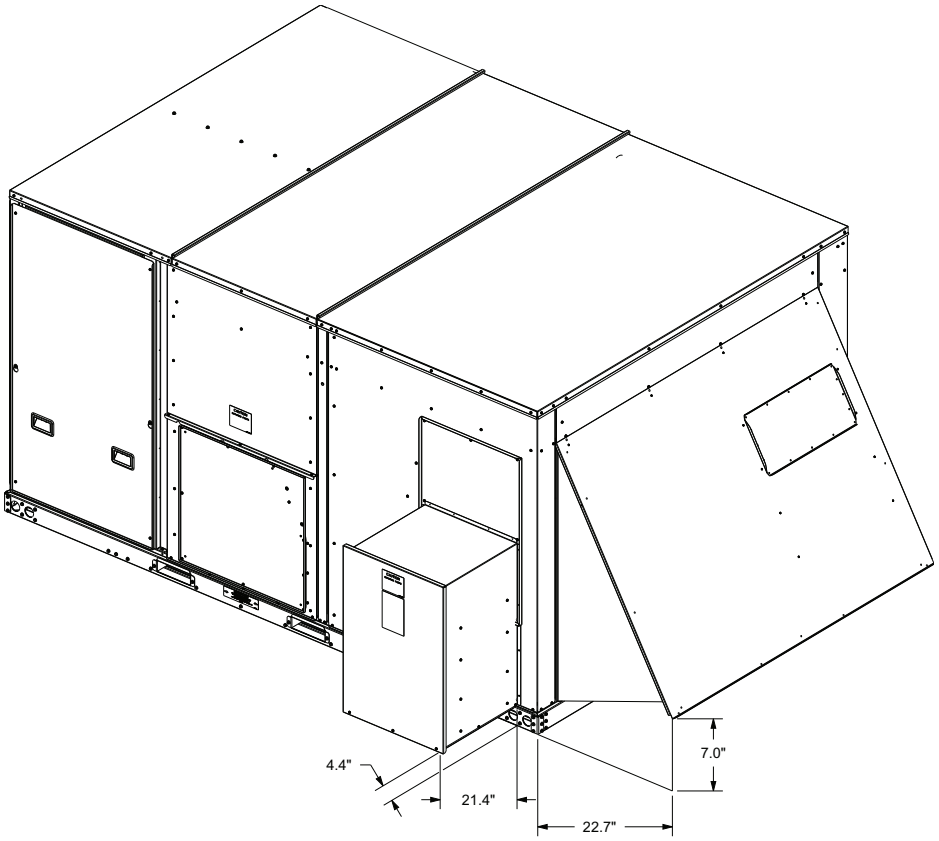


Figure 39. D.0 and D.1 cabinets – power exhaust



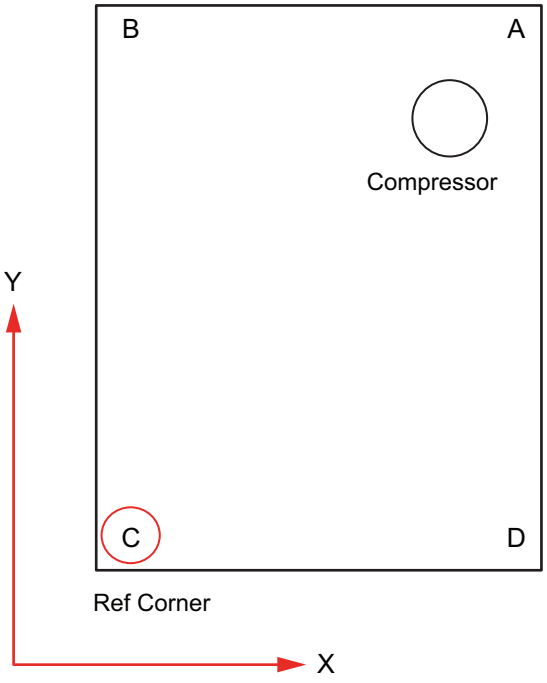
Weights

Table 51. Model weights, corner weights (lbs) and center of gravity dimensions (in.)

Model	Width (inch)	Depth (inch)	Height (inch)	Weight (lb)[a]	Shipping Weight (lb)	Corner Weights				Center of Gravity		Water In/Out NPTI (inch)
						A	B	C	D	X (inch)	Y (inch)	
GSK036	69.9	44.3	46.9	707	784	206	157	126	218	30	20	1.00 NPTI
GSK048	69.9	44.3	46.9	747	824	216	162	125	244	29	20	
GSK060	69.9	44.3	46.9	768	845	223	167	130	248	29	20	
GSK072	88.6	53.3	46.9	903	995	248	230	210	215	20	42	
GSK090	88.6	53.3	46.9	911	1014	250	231	211	219	25	42	
GSK102	88.6	53.3	46.9	966	1063	263	236	211	256	25	42	
GSK120	99.6	63.1	50.9	1259	1453	363	380	249	267	30	48	
GSK150	123.0	87.0	59.0	1969	2219	675	370	429	495	50	70	1.50 NPTI
GSK180	123.0	87.0	59.0	1969	2219	675	370	429	495	50	70	
GSK210	123.0	87.0	59.0	1969	2219	675	370	429	495	50	70	
GSK240	123.0	87.0	66.0	2210	2460	680	550	528	537	50	71	2.00 NPTI
GSK300	123.0	87.0	66.0	2210	2460	680	550	528	537	50	71	

[a] Weights are approximate. Weights do not include additional factory or field installed options/accessories. For option/accessory additional weights to be added to unit weight, reference the following table.

Figure 40. Center of gravity



Note: *Corner weights and center of gravity do not include accessories.*

Table 52. Factory installed options (FIOPS)/accessory net weights (lb)

Accessory	GSK036-060	GSK072-102	GSK120	GSK150-210	GSK240-300
Barometric Relief	7	10	10	40	40
Economizer	26	36	36	91	91
Electric Heaters	15	44	50	75	75
Hinged Doors	10	12	12	20	30
Low Leak Economizer - Downflow	79	91	91	150	150
Low Leak Economizer - Horizontal	130	186	186	180	180
Manual Outside Air Damper	16	26	26	15	15
Motorized Outside Air Damper	20	30	30	82	82
Oversized Motor	5	14	14	30	30
Powered Convenience Outlet	38	38	50	50	50
Powered Exhaust	40	80	80	110	110
Reheat Coil	21	16	20	100	100
Roof Curb	61	105	111	235	235
Smoke Detector, Supply	—	5	5	5	5
Smoke Detector, Return	7	7	7	5	5
Through-the-Base Electrical	8	13	13	10	10
Unit Mounted Circuit Breaker	5	10	10	10	10
Unit Mounted Disconnect	5	5	5	10	10

Notes:

1. Weights for options not listed are less than 5 pounds.
2. Net weight should be added to unit weight when ordering factory-installed accessories.
3. Weights are approximate.

Mechanical Specifications

General

- Packaged rooftop units cooling, heating capacities, and efficiencies are AHRI Certified within scope of AHRI Standard 13256–1. Units 135,000 BTUH and below are certified to ANSI/AHRI/ASHRAE/ ISO 13256-1. Units greater than 135,000 BTUH are outside the scope of the program and are rated in accordance with ANSI/AHRI/ASHRAE/ISO 13256-1.
  - Units 135,000 BTUH and below are certified to ANSI/AHRI/ASHRAE/ISO 13256-1.
  - Units greater than 135,000 BTUH are outside the scope of the program and are rated in accordance with ANSI/AHRI/ASHRAE/ISO 13256-1.
- Convertible airflow.
- The refrigerant flow metering is made through the thermal expansion valve (TXV). This allows the unit to operate with an entering fluid temperature from 25°F to 86°F in the heating mode and 45°F to 120°F in the cooling mode.
- Factory assembled, internally wired, fully charged with R-454B, and 100 percent run tested to check cooling and heat pump operation, fan and blower rotation, and control sequence before leaving the factory.
- Colored and numbered wiring internal to the unit for simplified identification.
- Units ETL and CETL are listed, labeled, and classified in accordance to UL 1995/C 22.2, 236-05 4th Edition.

Casing

- Zinc coated, heavy gauge, galvanized steel.
- Weather resistant pre-painted metal with galvanized substrate.
- Meets ASTM B117, 672 hour salt spray test.
- Removable single side maintenance access panels.
- Lifting handles in maintenance access panels (can be removed and reinstalled by removing fasteners while providing a water and air tight seal).
- Exposed vertical panels and top covers in the indoor air section insulated with a cleanable foil-faced, fire-retardant permanent, odorless glass fiber material.
- Base pan shall have no penetrations within the perimeter of the curb other than the raised 1 inch high downflow supply/return openings to provide an added water integrity precaution, if the condensate drain backs up.
- Base of the unit insulated with 1/8 inch, foil-faced, closed-cell insulation.
- Unit base provisions for forklift and/or crane lifting on three sides of unit.

Coils

Evaporator

- Internally finned, 5/16-inch copper tubes mechanically bonded to a configured aluminum plate fin are standard.
- Coils are leak tested at the factory to ensure integrity.
- Evaporator coil is leak tested to 600 psig.
- Assembled unit is leak tested to 465 psig.
- Composite, dual-sloped, removable condensate drain pan is standard.

Compressors

- All units have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps.
- Suction gas-cooled motor with voltage utilization range of plus or minus 10 percent of unit nameplate voltage.
- Internal overloads standard with scroll compressors.
- Crankcase heaters are standard on all compressors.

- Units size 6 to 25 tons have dual compressors.
- Three stages of cooling available on 6 to 17.5 tons units and four stages of cooling available on 20 and 25 tons units.

Filters

- Standard throwaway filters
- Optional 2 inch MERV 8 and MERV 13 filters

Frostat™

- Utilized as a safety device.
- Opens to prevent freezing temperatures on evaporator coil.
- Temperature will need to rise to 50°F before closing.
- Utilized in low airflow or high outside air applications (cooling only).

Indoor Fan

- Direct drive forward curve fan design – A.0 cabinet.
- Direct drive plenum fan design – B.0, C.0, D.0, and D.1 cabinets.
- Plenum fan design — backward-curved fan wheel along with an external rotor direct drive variable speed indoor motor.
- Supply fan speed adjustments can be made using the Symbio 700 or Mobile App.
- Motors are electronically protected.

Powered or Unpowered Convenience Outlet

- Powered GFCI, 120V/15A, 2 plug, convenience outlet or unpowered GFCI, 120V/20A, 2 plug, convenience outlet.
- When convenience outlet is powered, a service receptacle disconnect will be available.
- Convenience outlet is powered from the line side of the disconnect or circuit breaker, and therefore will not be affected by the position of the disconnect or circuit breaker.
- Available to order when through-the-base electrical with disconnect switch or circuit breaker option is ordered.

Stainless Steel Drain Pan

- Corrosion and oxidation resistance.
- Constructed of 304 stainless steel.

Through-the-Base Electrical with Circuit Breaker

- Thermal magnetic, molded case, HACR circuit breaker with provisions for through-the-base electrical connections.
- Circuit breaker installed within unit in water tight enclosure.
- Wiring provided from the switch to the unit high voltage terminal block.
- Circuit breaker will provide overcurrent protection, sized per NEC and cULus guidelines, and agency recognized by cULus.

Through-the-Base Electrical with Disconnect Switch

- 3-pole, molded case, disconnect switch with provisions for through-the-base electrical connections.
- Disconnect switch installed within unit in a water tight enclosure.
- Wiring provided from the switch to the unit high voltage terminal block.
- Switch cULus agency recognized.

Note: *Disconnect switch sized per NEC and cULus guidelines but will not be used in place of unit overcurrent protection*

Economizer (Standard)

- Available with or without barometric relief.
- Fully modulating 0-100 percent motor and dampers, minimum position setting, preset linkage, wiring harness with plug, spring return actuator and fixed dry bulb control.
- Barometric relief shall provide a pressure operated damper that shall be gravity closing.
- Barometric relief shall prohibit entrance of outside air during the equipment “off” cycle.
- Optional solid state or differential enthalpy control.
- Arrives in shipping position and shall be moved to the operating position by the installing contractor.

Manual Outside Air Damper

Rain hood and screen shall provide up to 50 percent outside air.

Motorized Outside Air Damper

- Once set, when indoor fan starts, outdoor air dampers shall open to set position.
- When indoor fan shuts down, damper shall close to the full closed position.

Power Exhaust

- Provides exhaust of return air, when using an economizer.
- Maintain better building pressurization.

Roof Curb

- Designed to mate with the unit’s downflow supply and return.
- Provide support and a water tight installation when installed properly.
- Shall allow field-fabricated rectangular supply/return ductwork to be connected directly to the curb.
- Curb shall be shipped knocked down for field assembly.
- Shall include wood nailer strips.

Ventilation Override Operation

- Unit can be set to transition up to 3 different pre-programmed sequences for smoke purge, pressurization, and exhaust.
- Transition occurs when binary input on the Symbio is closed (shorted) (typically hard wired relay output from a smoke detector/ fire control panel.

  Note: *Requires Symbio™ Customer Connection Module, FIASCCM001*.*

Water-to-Refrigerant Heat Exchanger

The water-to-refrigerant heat exchanger is a high quality co-axial coil for maximum heat transfer. The copper (or optional cupro-nickel) coil is deeply fluted to enhance heat transfer and minimize fouling and scaling. Coil has a working pressures:

- Water side: 400 psig
- Refrigerant side: 600 psig

Heat exchanger sound attenuation is achieved by factory-provided rubber isolation.

Water-to-Refrigerant Heat Exchanger and Suction Lines - Insulated Option

The water-to-refrigerant heat exchanger(s), water lines, and refrigerant suction lines must be insulated to prevent condensation at low temperatures (below 60° F). This requirement applies for either the copper or cupro-nickel coil. An insulation option is available for selection.

Leak Detection Sensors

Unit shall be furnished with a leak detection system from the factory when a circuit refrigerant charge exceeds 3.91 lbs. The leak detection system shall consist of one or more refrigerant detection sensors. When the system detects a leak, the unit controller shall initiate mitigation actions.

The AHRI Certified mark indicates Trane U.S. Inc. participation in the AHRI Certification program. For verification of individual certified products, go to ahridirectory.org.

Trane - by Trane Technologies (NYSE: TT), a global innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or tranetechnologies.com.

Trane has a policy of continuous product and product data improvements and reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

WSHP-PRC038A-EN 01 Nov 2024
Supersedes (New)