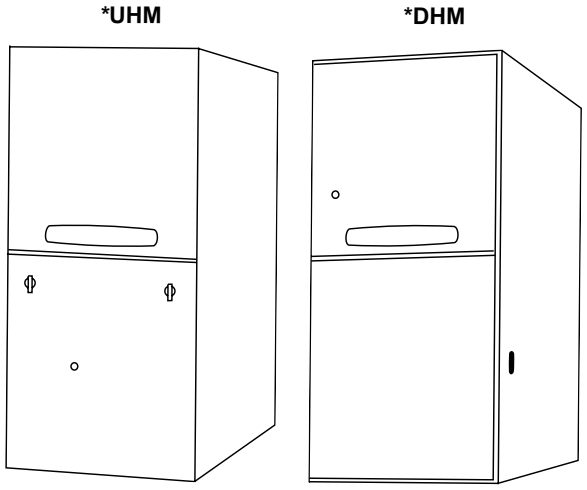
Product and Submittal Data

Communicating Upflow/Horizontal Left Downflow/ Horizontal Right Direct/Non-Direct Vent Variable Speed, Modulating Condensing Gas Furnace XC95m

TUHMB060CCV3VA
TUHMB080CCV3VA
TUHMC100CCV4VA
TUHMD120CCV5VA

TDHMB060CCV3VA
TDHMB080CCV3VA
TDHMC100CCV4VA
TDHMD120CCV5VA

Direct or Non-Direct Vent
with Variable Speed Blower
Variable Speed Inducer



Note: *Graphics in this document are for representation only. Actual model may differ in appearance.*

May 2025

FNR-PSD013A-EN

Introduction

Copyright

Trademark

Data Notes

This document supersedes and includes data from the documents listed below.

Table 1. Data notes

Literature Number	Title
22-1840-16*-EN	Communicating Upflow/Horizontal Left Downflow/Horizontal Right Direct/Non-Direct Vent Variable Speed, Modulating Condensing Gas Furnace XC95m Models TUHM, TDHM Product Data
TDHMB060B-SUB-1*-EN	Communicating Downflow/Horizontal Right Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer ADHMB060BCV3VB, TDHMB060BCV3VB
TDHMB080-SUB-1*-EN	Communicating Downflow/Horizontal Right Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer ADHMB080ACV3VB, TDHMB080ACV3VB
TDHMC100-SUB-1*-EN	Communicating Downflow/Horizontal Right Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer ADHMC100ACV4VB, TDHMC100ACV4VB
TDHMD120B-SUB-1*-EN	Communicating Downflow/Horizontal Right Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer ADHMD120BCV5VB, TDHMD120BCV5VB
TUHMB060-SUB-1*-EN	Communicating Upflow/Horizontal Left Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer AUHMB060ACV3VB, TUHMB060ACV3VB
TUHMB080-SUB-1*-EN	Communicating Upflow/Horizontal Left Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer AUHMB080ACV3VB, TUHMB080ACV3VB
TUHMC100-SUB-1*-EN	Communicating Upflow/Horizontal Left Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer AUHMC100ACV4VB, TUHMC100ACV4VB
TUHMD120-SUB-1*-EN	Communicating Upflow/Horizontal Left Direct/Non-Direct Vent Modulating Gas Furnace with Variable Speed Inducer AUHMD120ACV5VB, TUHMD120ACV5VB

Table of Contents

General Features

Modulating Operation

The modulating gas valves provides longer heating cycles for more consistent heating comfort. Modulates from 40% (45% for the TUHMD120) to 100% in less than 1% increments of the furnace's heating capacity saving energy, while at the same time maximizing homeowner comfort.

Communicating Mode

Furnace is shipped ready to be connected in communicating mode using three wire hook-up using the TZON1050 comfort control.

Alternate 24v Mode

Furnace is field configurable to 24V non-communicating mode.

Meets Energy Star Requirements

Comfort Control

Comfortlink II™ Communicating furnace design, offers plug and play – walk away installation. Assures the entire heating and air conditioning system is set up in the proper modes to optimize the engineered performance of the matched system installed. The furnace can also be connected in conventional 24V mode.

Natural Gas Models

Central Heating furnace designs are certified by the Intertek / ETL for both natural and propane gas. Limit setting and rating data were established and approved under standard rating conditions using American National Standards Institute standards.

Energy Efficient Operation

Furnace is certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 0.5" water column with all inlets, outlets, and drains sealed.

Safe Operation

The Integrated Furnace Control has solid state devices, which continuously monitor for presence of flame, when the system is in the heating mode of operation. Dual solenoid combination gas valve and regulator provide additional safety.

Quick Heating

Durable, cycle tested, heavy gauge aluminized steel heat exchanger quickly transfers heat to provide warm conditioned air to the structure. Low energy power vent blower, to increase efficiency and provide a positive discharge of gas fumes to the outside.

Burners

Multiport Inshot burners will give years of quiet and efficient service. All models can be converted to propane gas without changing burners.

Integrated System Control

Exclusively designed operational program provides total control of furnace limit sensors, blowers, gas valve, flame control and includes self diagnostics for ease of service. Also contains connection points for EAC and Humidifier hookup.

Air Delivery

The variable speed blower motor has sufficient airflow for most heating and cooling requirements and will switch from heating to cooling speeds on demand from room thermostat. The blower door safety switch will prevent or terminate furnace operation when the blower door is removed.

Secondary Heat Exchanger

The XC95m has a special type 29-4C™ stainless steel secondary heat exchanger to reclaim heat from flue gases which would normally be lost.

Styling

Heavy gauge steel and wrap-around cabinet construction is used in the cabinet with baked-on enamel finish for strength and beauty. The heat exchanger section of the cabinet is completely lined with foil faced fiberglass insulation. This results in quiet and efficient operation due to the excellent acoustical and insulating qualities of fiberglass. Built-in bottom pan and alternate bottom, left or right side return air connection provision.

Features and General Operation

The XC95m High Efficiency Gas Furnaces utilize an Adaptive Heat Up Silicon Nitride Hot Surface Ignition system, which eliminates the waste of a constant burning pilot. The integrated system control lights the main burners upon a demand for heat from the room thermostat. Complete front service access.

1. Low energy power venter
2. Vent proving pressure switch.

Features and Benefits

XC95m STANDARD EQUIPMENT

- Comfortlink II™ Communication or 24 Volt control
- Factory default is communication mode
- Field configurable to 24 volt non-communicating mode
- Communication requires comfort control TZON1050
- Plug and play installation in communication mode with communicating comfort control
- Three wire connections to comfort control when used with communicating comfort control (TZON1050)
- Furnace modulates from 40% (45% for the TUHMD120) to 100% of its heating capacity
- Upflow models convertible to Horizontal Left
- Downflow models convertible to Horizontal Right
- Power supply 115/1/60
- Modulating gas valve
- Variable speed ECM blower motor with Comfort R™
- Variable speed induced draft blower
- Silicon Nitride hot surface igniter with adaptive heat up
- PVC Venting - 1 or 2 pipe option
- Integrated solid state control with self-diagnostics
- Furnace certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to .5" water column with all inlets, outlets, and drains sealed
- Silicon Nitride hot surface igniter with adaptive heat up
- PVC Venting - 1 or 2 pipe option
- Integrated solid state control with self-diagnostics
- Stored fault code history in microprocessor nonvolatile memory
- Insulated blower door
- Gasketed blower door
- Attractive color accents
- Heavy gauge aluminized steel heat exchanger
- Multi-port In-shot burners
- Complete front service access
- Slide out blower assembly
- Direct / Non-direct Vent Option
- Optional propane conversion kit
- Improved CleanEffects™connections
- Left/right gas connection
- Accessory hook-up capability
- Manual reset flame roll out switches
- Cleanable high velocity filters
- Hinged blower door[1]
- Perfect fit door latches[1]
- Optional extended warranties

1. *(Upflow only)*

Accessories

Table 2. Accessories

Model Number	Description	Use with
BAYVENT200B	Sidewall Vent Termination Kit	All Furnaces
BAYVENTCN200B	Sidewall Vent Termination Kit (Canada - CPVC)	All Furnaces
BAYVENT500A	Side Vent kit for downflow models only	All Downflow Furnaces
BAYAIR30AVENTA	Concentric Vent Kit	All Furnaces
BAYAIR30CNVENT	Concentric Vent Kit (Canada – CPVC)	All Furnaces
BAYREDUCE	Reducing Coupling (Canada – CPVC)	All Furnaces
BAYRACK960A	Filter Rack Kit for upflow models only (Internal)	All Upflow Furnaces
BAYBASE205	Downflow Subbase	All Downflow Furnaces
BAYFLTR200	External side filter rack	All Upflow Furnaces
BAYFLTR203	Horizontal Filter Kit	B Cabinet Units in Downflow/Horizontal
BAYFLTR204	Horizontal Filter Kit	C Cabinet Furnace in Downflow/Horizontal
BAYFLTR205	Horizontal Filter Kit	D Cabinet Furnace in Downflow/Horizontal
BAYFLTR317	Cleanable fliter for 17.5" cabinet upflow only	All Upflow Furnaces
BAYFLTR321	Cleanable fliter for 21" cabinet upflow only	All Upflow Furnaces
BAYFLTR324	Cleanable fliter for 24.5" cabinet upflow only	All Upflow Furnaces
BAYSWT07AHALTA	High Altitude Kit	UHMB060, DHMB060
BAYSWT08AHALTA	High Altitude Kit	UHMD120, DHMD120
BAYSWT09AHALTA	High Altitude Kit	UHMB080, DHMB080, UHMC100, DHMC100
BAYLPKT220B	Propane Conversion Kit	All Furnaces
BAYLPSS220C	Propane Conversion Kit with Stainless Steel Burners	All Furnaces
EQBFM175A1FR11	5" Expandable High Efficiency Media Air Filter, "QuikBox"	17-1/2" Wide Gas Furnace
EQBFM210A1FR11	5" Expandable High Efficiency Media Air Filter, "QuikBox"	21" Wide Gas Furnace
EQBFM245A1FR11	5" Expandable High Efficiency Media Air Filter, "QuikBox"	24-1/2" Wide Gas Furnace
EFD175DLFR000B	CleanEffects™ Whole House Air Cleaner	17-1/2" Wide Upflow / Side Return Furnace
EFD210DLFR000B	CleanEffects™ Whole House Air Cleaner	21" Wide Upflow / Side Return Furnace
EFD245DLFR000B	CleanEffects™ Whole House Air Cleaner	24-1/2" Wide Upflow / Side Return Furnace
EFD17DDLFR000B	CleanEffects™ Whole House Air Cleaner	17-1/2" Wide Downflow Return Furnace
EFD21DDLFR000B	CleanEffects™ Whole House Air Cleaner	21" Wide Downflow Return Furnace
BAYTRANS12024	CleanEffects™ Whole House Transformer Kit	120 to 24 Volt - all EFD Air Cleaners
BAYACCECOMM101	CleanEffects™ Connection Kit for Modulating Furnace	All Furnaces

Product Specifications

Table 3. TUHMB060 and TUHMB080 models

Model	TUHMB060CCV3VA[a]	TUHMB060CCV3VA[a]	TUHMB080CCV3VA[a]	TUHMB080CCV3VA[a]
Type	Upflow	Horizontal Left	Upflow	Horizontal Left
RATINGS[b]	—			
40% (low) Input BTUH	24,000	24,000	32,000	32,000
40% (low) heat Capacity BTUH (ICS)	23,000	23,000	31,000	31,000
100% (high) heat Input BTUH	60,000	60,000	80,000	80,000
100% (high) heat Capacity BTUH (ICS)[c]	57,000	57,000	76,000	76,000
Temp. Rise (Min. - Max.) °F	35 - 65	35 - 65	35 - 65	35 - 65
AFUE (%) [c]	97.3	96.5	97.0	96.2
Return Air Temp. (Min. - Max.) °F	45°F - 80°F	45°F - 80°F	45°F - 80°F	45°F - 80°F
CEE Tier	Tier 3	Tier 2	Tier 3	Tier 2
Energy Star Rated Region	US-all/Canada	N/A	US-all/Canada	N/A
Energy Star Orientation	Upflow ONLY	N/A	Upflow ONLY	N/A
INTEGRATED FURNACE CONTROL	—			
Input-Communication Protocol	CLII or 24 Volts	CLII or 24 Volts	CLII or 24 Volts	CLII or 24 Volts
BLOWER DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (in.)	10 x 8	10 x 8	10 x 8	10 x 8
No. Used	1	1	1	1
Speeds (No.)	Variable	Variable	Variable	Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/2	1/2	1/2	1/2
R.P.M.	Variable	Variable	Variable	Variable
Volts / Ph / Hz	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
FLA	6.4	6.4	6.4	6.4
COMBUSTION FAN - Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Drive - No. Speeds	Direct - Variable	Direct - Variable	Direct - Variable	Direct - Variable
Motor RPM	1/ 50 - 5000	1/ 50 - 5000	1/ 50 - 5000	1/ 50 - 5000
Volts/Ph/Hz	33 - 110/3/60 - 180	33 - 110/3/60 - 180	33 - 110/3/60 - 180	33 - 110/3/60 - 180
FLA	1.00	1.00	1.00	1.00
FILTER - Furnished?	Yes	Yes	Yes	Yes
Type Recommended	High Velocity	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 17 X 25 - 1 in.	1 - 17 X 25 - 1 in.	1 - 17 X 25 - 1 in.	1 - 17 X 25 - 1 in.
VENT OUTLET DIA - MIN. (in.)	2 Round	2 Round	2 Round	2 Round
HEAT EXCHANGER – Type	—			
Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
Unfired	29-4C Stainless Steel	29-4C Stainless Steel	29-4C Stainless Steel	29-4C Stainless Steel
Gauge (Fired)	20	20	20	20
ORIFICES - Main				
Nat. Gas (Qty. - Drill Size)	3 - 45	3 - 45	4 - 45	4 - 45
Propane Gas (Qty. - Drill Size)[d]	3 - 56	3 - 56	4 - 56	4 - 56
GAS VALVE	Redundant - Three Stage	Redundant - Three Stage	Redundant - Three Stage	Redundant - Three Stage

Table 3. TUHMB060 and TUHMB080 models (continued)

Model	TUHMB060CCV3VA[a]	TUHMB060CCV3VA[a]	TUHMB080CCV3VA[a]	TUHMB080CCV3VA[a]
PILOT SAFETY DEVICE – TYPE	—			
Type	120 V SiNi Igniter	120 V SiNi Igniter	120 V SiNi Igniter	120 V SiNi Igniter
BURNERS - TYPE - QTY	Multi-port Inshot - 3	Multi-port Inshot - 3	Multi-port Inshot - 4	Multi-port Inshot - 4
POWER CONN. - V/Ph/HZ[e]	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
Ampacity (Amps)	9.2	9.2	9.2	9.2
Max. Overcurrent Protection (Amps)	15	15	15	15
PIPE CONN. SIZE (IN.)	1/2	1/2	1/2	1/2
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Uncrated (in.)	40 x 17.5 x 28.5	40 x 17.5 x 28.5	40 x 17.5 x 28.5	40 x 17.5 x 28.5
Crated (in.)	41.75 x 19.5 x 30.5	41.75 x 19.5 x 30.5	41.75 x 19.5 x 30.5	41.75 x 19.5 x 30.5
WEIGHT	—			
Shipping (Lbs.)/Net (Lbs.)	158 / 146	158 / 146	168 / 156	168 / 156

[a] Central Furnace heating designs are certified to ANSI Z21.47 / CSA 2.3 - latest edition.
[b] For U.S. Applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.
[c] Based on U.S. government standard tests.
[d] Furnace ships in natural gas configuration. The Propane conversion kit used with the modulating furnace is BAYLPSS220B or BAYLPKT220B.
[e] The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

Table 4. TUHMC100 and TUHMD120 models

Model	TUHMC100CCV4VA[a]	TUHMC100CCV4VA[a]	TUHMD120CCV5VA[a]	TUHMD120CCV5VA[a]
Type	Upflow	Horizontal Left	Upflow	Horizontal Left
RATINGS[b]	—			
40% (low) Input BTUH	40,000	40,000	54,000	54,000
40% (low) heat Capacity BTUH (ICS)	39,000	39,000	52,000	52,000
100% (high) heat Input BTUH	100,000	100,000	120,000	120,000
100% (high) heat Capacity BTUH (ICS)[c]	95,000	95,000	114,000	114,000
Temp. Rise (Min. - Max.) °F	35 - 65	35 - 65	40 - 70	40 - 70
AFUE (%) [c]	96.0	95.2	97.0	96.2
Return Air Temp. (Min. - Max.) °F	45°F - 80°F	45°F - 80°F	45°F - 80°F	45°F - 80°F
CEE Tier	Tier 2	Tier 2	Tier 3	Tier 2
Energy Star Rated Region	US-all/Canada	N/A	US-all/Canada	N/A
Energy Star Orientation	Upflow ONLY	N/A	Upflow ONLY	N/A
INTEGRATED FURNACE CONTROL	—			
Input-Communication Protocol	CLII or 24 Volts	CLII or 24 Volts	CLII or 24 Volts	CLII or 24 Volts
BLOWER DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (in.)	10 x 10	10 x 10	10 x 10	10 x 10
No. Used	1	1	1	1
Speeds (No.)	Variable	Variable	Variable	Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	3/4	3/4	1	1
R.P.M.	Variable	Variable	Variable	Variable
Volts / Ph / Hz	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
FLA	8	8	10	10
COMBUSTION FAN - Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal

Table 4. TUHMC100 and TUHMD120 models (continued)

Model	TUHMC100CCV4VA[a]	TUHMC100CCV4VA[a]	TUHMD120CCV5VA[a]	TUHMD120CCV5VA[a]
Drive - No. Speeds	Direct - Variable	Direct - Variable	Direct - Variable	Direct - Variable
Motor RPM	1/ 50 - 5000	1/ 50 - 5000	1/ 50 - 5000	1/ 50 - 5000
Volts/Ph/Hz	33 - 110/3/60 - 180	33 - 110/3/60 - 180	33 - 110/3/60 - 180	33 - 110/3/60 - 180
FLA	1.00	1.00	1.00	1.00
FILTER - Furnished?	Yes	Yes	Yes	Yes
Type Recommended	High Velocity	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 20 X 25 - 1 in.	1 - 20 X 25 - 1 in.	1 - 24 X 25 - 1 in.	1 - 24 X 25 - 1 in.
VENT OUTLET DIA - MIN. (in.)	2.5 Round	2.5 Round	3 Round	3 Round
HEAT EXCHANGER – Type	—			
Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
Unfired	29-4C Stainless Steel	29-4C Stainless Steel	29-4C Stainless Steel	29-4C Stainless Steel
Gauge (Fired)	20	20	20	20
ORIFICES - Main				
Nat. Gas (Qty. - Drill Size)	5 - 45	5 - 45	6 - 45	6 - 45
Propane Gas (Qty. - Drill Size)[d]	5 - 56	5 - 56	6 - 56	6 - 56
GAS VALVE	Redundant - Three Stage	Redundant - Three Stage	Redundant - Three Stage	Redundant - Three Stage
PILOT SAFETY DEVICE – TYPE	—			
Type	120 V SiNi Igniter	120 V SiNi Igniter	120 V SiNi Igniter	120 V SiNi Igniter
BURNERS - TYPE - QTY	Multi-port Inshot - 5	Multi-port Inshot - 5	Multi-port Inshot - 6	Multi-port Inshot - 6
POWER CONN. - V/Ph/HZ[e]	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
Ampacity (Amps)	11.2	11.2	13.7	13.7
Max. Overcurrent Protection (Amps)	15	15	15	15
PIPE CONN. SIZE (IN.)	1/2	1/2	1/2	1/2
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Uncrated (in.)	40 x 21 x 28.5	40 x 21 x 28.5	40 x 24.5 x 28.5	40 x 24.5 x 28.5
Crated (in.)	41.75 x 23 x 30.5	41.75 x 23 x 30.5	41.75 x 26.5 x 30.5	41.75 x 26.5 x 30.5
WEIGHT	—			
Shipping (Lbs.)/Net (Lbs.)	197 / 185	197 / 185	206 / 193	206 / 193

[a] Central Furnace heating designs are certified to ANSI Z21.47 / CSA 2.3 - latest edition.
[b] For U.S. Applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.
[c] Based on U.S. government standard tests.
[d] Furnace ships in natural gas configuration. The Propane conversion kit used with the modulating furnace is BAYLPSS220B or BAYLPKT220B.
[e] The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

Table 5. TDHM models

Model	TDHMB060CCV3VA[a]	TDHMB080CCV3VA[a]	TDHMC100CCV4VA[a]	TDHMD120CCV5VA[a]
Type	Downflow / Horizontal Right	Downflow / Horizontal Right	Downflow / Horizontal Right	Downflow / Horizontal Right
RATINGS[b]	—			
40% (low) Input BTUH	24,000	32,000	40,000	48,000
40% (low) heat Capacity BTUH (ICS)	23,000	32,000	39,000	47,000
100% (high) heat Input BTUH	60,000	80,000	100,000	120,000
100% (high) heat Capacity BTUH (ICS)[c]	57,000	76,000	96,000	114,000
Temp. Rise (Min. - Max.) °F	35 - 65	35 - 65	35 - 65	40 - 70
AFUE (%) [c]	95.0	96.0	96.0	95.0

Table 5. TDHM models (continued)

Model	TDHMB060CCV3VA[a]	TDHMB080CCV3VA[a]	TDHMC100CCV4VA[a]	TDHMD120CCV5VA[a]
Return Air Temp. (Min. - Max.) °F	45°F - 80°F	45°F - 80°F	45°F - 80°F	45°F - 80°F
CEE Tier	Tier 2	Tier 2	Tier 2	Tier 2
Energy Star Rated Region	US-all/Canada	US-all/Canada	US-all/Canada	US-all/Canada
Energy Star Orientation	Downflow / Horizontal Right	Downflow / Horizontal Right	Downflow / Horizontal Right	Downflow / Horizontal Right
INTEGRATED FURNACE CONTROL	—			
Input-Communication Protocol	CLII or 24 Volts	CLII or 24 Volts	CLII or 24 Volts	CLII or 24 Volts
BLOWER DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (in.)	10 x 8	10 x 8	10 x 10	10 x 10
No. Used	1	1	1	1
Speeds (No.)	Variable	Variable	Variable	Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/2	1/2	3/4	1
R.P.M.	Variable	Variable	Variable	Variable
Volts / Ph / Hz	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
FLA	6.4	6.4	8	10
COMBUSTION FAN - Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Drive - No. Speeds	Direct - Variable	Direct - Variable	Direct - Variable	Direct - Variable
Motor RPM	1/ 50 - 5000	1/ 50 - 5000	1/ 50 - 5000	1/ 50 - 5000
Volts/Ph/Hz	33 - 110/3/60 - 180	33 - 110/3/60 - 180	33 - 110/3/60 - 180	33 - 110/3/60 - 180
FLA	1.00	1.00	1.00	1.00
FILTER - Furnished?	Yes	Yes	Yes	Yes
Type Recommended	High Velocity	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	2 - 14 X 20 - 1 in.	2 - 14 X 20 - 1 in.	2 - 16 X 20 - 1 in.	2 - 16 X 20 - 1 in.
VENT OUTLET DIA - MIN. (in.)	2 Round	2 Round	2.5 Round	3 Round
HEAT EXCHANGER – Type	—			
Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
Unfired	29-4C Stainless Steel	29-4C Stainless Steel	29-4C Stainless Steel	29-4C Stainless Steel
Gauge (Fired)	20	20	20	20
ORIFICES - Main	—			
Nat. Gas (Qty. - Drill Size)	3 - 45	4 - 45	5 - 45	6 - 45
Propane Gas (Qty. - Drill Size)[d]	3 - 56	4 - 56	5 - 56	6 - 56
GAS VALVE	Redundant - Three Stage	Redundant - Three Stage	Redundant - Three Stage	Redundant - Three Stage
PILOT SAFETY DEVICE – TYPE	—			
Type	120 V SiNi Igniter	120 V SiNi Igniter	120 V —SiNi Igniter	120 V SiNi Igniter
BURNERS - TYPE - QTY	Multi-port Inshot - 3	Multi-port Inshot - 4	Multi-port Inshot - 5	Multi-port Inshot - 6
POWER CONN. - V/Ph/HZ[e]	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
Ampacity (Amps)	9.2	9.2	11.2	13.7
Max. Overcurrent Protection (Amps)	15	15	15	15
PIPE CONN. SIZE (IN.)	1/2	1/2	1/2	1/2
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Uncrated (in.)	40 x 17.5 x 28.5	40 x 17.5 x 28.5	40 x 21 x 28.5	40 x 24.5 x 28.5
Crated (in.)	41.75 x 19.5 x 30.5	41.75 x 19.5 x 30.5	41.75 x 23 x 30.5	41.75 x 26.5 x 30.5

Table 5. TDHM models (continued)

Model	TDHMB060CCV3VA[a]	TDHMB080CCV3VA[a]	TDHMC100CCV4VA[a]	TDHMD120CCV5VA[a]
WEIGHT	—			
Shipping (Lbs.)/Net (Lbs.)	160 / 146	168 / 158	185 / 175	206 / 196

[a] Central Furnace heating designs are certified to ANSI Z21.47 / CSA 2.3 - latest edition.
[b] For U.S. Applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.
[c] Based on U.S. government standard tests.
[d] Furnace ships in natural gas configuration. The Propane conversion kit used with the modulating furnace is BAYLPSS220B or BAYLPKT220B.
[e] The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

Airflow Tables

Airflow Adjustment

Check inlet and outlet air temperatures to make sure they are within the range specified on the Furnace rating nameplate. If the airflow needs to be increased or decreased, see the Airflow Label on the Furnace or the unit's Service Facts for information on changing the speed of the Blower Motor for your specific model. Blower speed changes are made on the user interface.

Indoor Blower Timing

Heating: The Integrated Furnace Control module controls the Indoor Blower. The Blower start is fixed at 45 seconds after ignition. The FAN-OFF period is field selectable by the User Interface at 60, 100, 140, or 180 seconds. The factory setting is 100 seconds.

Table 6. *UHMB060CCV3VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	**Heating Stage**	**Target Airflow**		**External Static Pressure**				
				0.1	**0.3**	**0.5**	**0.7**	**0.9**
650	40% (low)	465	CFM/Watts	393 / 43	504 / 81	512 / 112	546 / 142	560 / 140
			Temp. Rise	73	57	56	53	51
	65% (medium)	623	CFM/Watts	565 / 64	653 / 107	660 / 145	682 / 182	691 / 172
			Temp. Rise	68	59	58	57	56
	100% (high)	830	CFM/Watts	791 / 121	849 / 171	856 / 219	861 / 258	862 / 215
			Temp. Rise	65	61	60	60	60
900	40% (low)	504	CFM/Watts	435 / 46	541 / 86	549 / 119	580 / 150	593 / 148
			Temp. Rise	66	53	52	50	49
	65% (medium)	675	CFM/Watts	622 / 75	703 / 120	710 / 161	727 / 199	734 / 183
			Temp. Rise	62	55	54	53	53
	100% (high)	900	CFM/Watts	867 / 148	916 / 201	922 / 251	921 / 290	920 / 230
			Temp. Rise	59	56	56	56	56
960[a]	40% (low)	538	CFM/Watts	472 / 50	573 / 90	580 / 125	609 / 159	621 / 155
			Temp. Rise	61	50	50	47	46
	65% (medium)	720	CFM/Watts	671 / 86	745 / 133	752 / 175	766 / 215	771 / 192
			Temp. Rise	58	52	51	50	50
	100% (high)	960	CFM/Watts	932 / 174	972 / 229	979 / 282	973 / 319	970 / 243
			Temp. Rise	55	53	53	53	53
1080	40% (low)	605	CFM/Watts	545 / 60	636 / 103	644 / 141	667 / 177	676 / 169
			Temp. Rise	53	45	45	43	43
	65% (medium)	810	CFM/Watts	769 / 114	831 / 164	837 / 210	843 / 250	846 / 211
			Temp. Rise	50	46	46	46	46
	100% (high)	1080	CFM/Watts	1063 / 236	1086 / 295	1092 / 353	1076 / 384	1069 / 268
			Temp. Rise	48	47	47	48	48

[a] Factory Setting.

Table 7. *UHMB080CCV3VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	Heating Stage	Target Airflow		External Static Pressure				
				0.1	0.3	0.5	0.7	0.9
1120	40% (low)	571	CFM/Watts	512 / 45	564 / 77	581 / 112	538 / 109	572 / 146
			Temp. Rise	70	63	62	66	62
	65% (medium)	806	CFM/Watts	757 / 95	794 / 132	805 / 179	760 / 172	776 / 246
			Temp. Rise	67	63	63	66	65
	100% (high)	1120	CFM/Watts	1084 / 214	1101 / 256	1104 / 319	1056 / 273	1048 / 379
			Temp. Rise	65	64	63	66	67
1260	40% (low)	643	CFM/Watts	586 / 57	634 / 90	649 / 129	606 / 127	634 / 177
			Temp. Rise	61	56	55	59	56
	65% (medium)	907	CFM/Watts	862 / 127	893 / 165	901 / 217	855 / 202	864 / 289
			Temp. Rise	59	56	56	59	58
	100% (high)	1260	CFM/Watts	1230 / 286	1238 / 331	1237 / 401	1188 / 325	1170 / 437
			Temp. Rise	57	57	57	59	60
1400[a]	40% (low)	714	CFM/Watts	661 / 71	704 / 106	717 / 148	673 / 146	696 / 207
			Temp. Rise	54	51	50	53	51
	65% (medium)	1008	CFM/Watts	967 / 165	992 / 205	997 / 262	951 / 235	951 / 332
			Temp. Rise	52	51	51	53	53
	100% (high)	1400	CFM/Watts	1376 / 369	1375 / 418	1370 / 495	1320 / 381	1292 / 496
			Temp. Rise	51	51	51	53	54
1610	40% (low)	821	CFM/Watts	772 / 99	809 / 136	819 / 184	774 / 176	789 / 253
			Temp. Rise	46	44	44	46	45
	65% (medium)	1159	CFM/Watts	1125 / 233	1139 / 276	1141 / 341	1093 / 288	1083 / 395
			Temp. Rise	45	44	44	46	47
	100% (high)	1610	CFM/Watts	1595 / 398	1580 / 470	1570 / 522	1519 / 522	1474 / 529
			Temp. Rise	44	44	45	46	48

[a] Factory Setting.

Table 8. *UHMC100CCV4VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	Heating Stage	Target Airflow		External Static Pressure				
				0.1	0.3	0.5	0.7	0.9
1460	40% (low)	606	CFM/Watts	728 / 119	758 / 107	785 / 102	805 / 94	819 / 108
			Temp. Rise	62	59	57	56	55
	65% (medium)	1051	CFM/Watts	1213 / 131	1232 / 160	1237 / 253	1232 / 345	1220 / 405
			Temp. Rise	60	60	59	60	60
	100% (high)	1460	CFM/Watts	1699 / 325	1707 / 349	1690 / 495	1659 / 628	1621 / 698
			Temp. Rise	60	60	60	61	63
1540	40% (low)	639	CFM/Watts	769 / 113	797 / 107	822 / 111	840 / 113	853 / 133
			Temp. Rise	58	56	54	53	53
	65% (medium)	1109	CFM/Watts	1279 / 147	1297 / 178	1299 / 281	1290 / 382	1274 / 445
			Temp. Rise	57	57	56	57	58
	100% (high)	1540	CFM/Watts	1790 / 382	1797 / 400	1775 / 551	1740 / 685	1696 / 752
			Temp. Rise	57	57	57	59	60
1620[a]	40% (low)	672	CFM/Watts	813 / 108	841 / 107	864 / 122	880 / 135	890 / 160
			Temp. Rise	55	53	52	51	50
	65% (medium)	1166	CFM/Watts	1353 / 168	1369 / 201	1367 / 313	1355 / 423	1335 / 489
			Temp. Rise	54	54	54	54	55
	100% (high)	1620	CFM/Watts	1892 / 453	1896 / 462	1870 / 616	1830 / 750	1781 / 813
			Temp. Rise	54	54	54	56	57
1790	40% (low)	743	CFM/Watts	863 / 104	889 / 108	910 / 135	923 / 160	930 / 191
			Temp. Rise	52	50	49	49	48
	65% (medium)	1289	CFM/Watts	1434 / 197	1448 / 229	1443 / 352	1426 / 469	1402 / 538
			Temp. Rise	51	51	51	51	52
	100% (high)	1790	CFM/Watts	2004 / 540	2006 / 538	1975 / 694	1929 / 822	1873 / 880
			Temp. Rise	51	51	52	53	54

[a] Factory Setting.

Table 9. *UHMD120CCV5VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	Heating Stage	Target Airflow		External Static Pressure				
				0.1	0.3	0.5	0.7	0.9
1700	40% (low)	748	CFM/Watts	592 / 78	617 / 109	623 / 141	617 / 173	606 / 233
			Temp. Rise	61	59	58	59	60
	65% (medium)	1224	CFM/Watts	1048 / 149	1065 / 169	1060 / 208	1052 / 252	1038 / 358
			Temp. Rise	60	59	59	60	61
	100% (high)	1700	CFM/Watts	1466 / 319	1476 / 330	1461 / 374	1451 / 430	1435 / 613
			Temp. Rise	60	59	60	60	61
1790	40% (low)	788	CFM/Watts	626 / 79	651 / 110	655 / 142	649 / 175	639 / 236
			Temp. Rise	58	56	55	56	57
	65% (medium)	1289	CFM/Watts	1107 / 167	1123 / 186	1116 / 226	1108 / 271	1094 / 386
			Temp. Rise	57	56	56	57	58
	100% (high)	1790	CFM/Watts	1548 / 364	1556 / 373	1540 / 419	1529 / 476	1512 / 679
			Temp. Rise	57	56	57	57	58
1890[a]	40% (low)	832	CFM/Watts	660 / 81	684 / 111	688 / 144	682 / 177	671 / 241
			Temp. Rise	55	53	53	53	54
	65% (medium)	1361	CFM/Watts	1165 / 187	1181 / 204	1173 / 245	1165 / 292	1150 / 417
			Temp. Rise	54	53	54	54	55
	100% (high)	1890	CFM/Watts	1629 / 413	1637 / 419	1618 / 467	1608 / 527	1590 / 750
			Temp. Rise	54	54	54	54	55
2000	40% (low)	880	CFM/Watts	732 / 87	755 / 115	757 / 149	751 / 185	739 / 254
			Temp. Rise	50	48	48	48	49
	65% (medium)	1440	CFM/Watts	1291 / 236	1304 / 250	1293 / 293	1284 / 343	1269 / 490
			Temp. Rise	49	48	49	49	50
	100% (high)	2000	CFM/Watts	1803 / 529	1807 / 532	1785 / 582	1774 / 646	1755 / 864
			Temp. Rise	49	48	49	49	50

[a] Factory Setting.

Table 10. *DHMB060CCV3VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	Heating Stage	Target Airflow		External Static Pressure				
				0.1	0.3	0.5	0.7	0.9
900	40% (low)	414	CFM/Watts	438 / 26	436 / 49	458 / 70	462 / 90	474 / 115
			Temp. Rise	48	48	46	46	45
	65% (medium)	702	CFM/Watts	715 / 76	713 / 106	720 / 140	714 / 176	708 / 217
			Temp. Rise	48	48	48	48	48
	100% (high)	900	CFM/Watts	906 / 140	904 / 175	900 / 223	888 / 274	869 / 323
			Temp. Rise	58	58	59	59	61
950	40% (low)	437	CFM/Watts	460 / 28	458 / 52	479 / 73	483 / 92	493 / 118
			Temp. Rise	46	46	44	44	43
	65% (medium)	741	CFM/Watts	753 / 87	751 / 117	755 / 154	749 / 194	740 / 237
			Temp. Rise	46	46	45	46	46
	100% (high)	950	CFM/Watts	954 / 160	952 / 197	945 / 248	931 / 300	910 / 350
			Temp. Rise	55	55	56	57	58
1040[a]	40% (low)	478	CFM/Watts	499 / 33	497 / 58	516 / 79	518 / 100	526 / 127
			Temp. Rise	42	42	41	41	40
	65% (medium)	811	CFM/Watts	820 / 108	818 / 140	819 / 183	810 / 228	797 / 275
			Temp. Rise	42	42	42	42	43
	100% (high)	1040	CFM/Watts	1041 / 202	1039 / 243	1027 / 295	1010 / 347	983 / 393
			Temp. Rise	51	51	51	52	54
1160	40% (low)	534	CFM/Watts	553 / 42	551 / 68	567 / 90	567 / 114	571 / 144
			Temp. Rise	38	38	37	37	37
	65% (medium)	905	CFM/Watts	911 / 142	909 / 177	904 / 226	892 / 276	873 / 326
			Temp. Rise	38	38	38	38	39
	100% (high)	1160	CFM/Watts	1157 / 269	1155 / 317	1136 / 361	1115 / 405	1080 / 439
			Temp. Rise	46	46	46	47	49

[a] Factory Setting.

Table 11. *DHMB080CCV3VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	Heating Stage	Target Airflow		External Static Pressure				
				0.1	0.3	0.5	0.7	0.9
1300	40% (low)	683	CFM/Watts	648 / 79	670 / 79	681 / 148	685 / 155	687 / 219
			Temp. Rise	57	55	54	54	54
	65% (medium)	936	CFM/Watts	923 / 166	937 / 148	943 / 249	936 / 241	923 / 336
			Temp. Rise	55	54	54	54	55
	100% (high)	1300	CFM/Watts	1318 / 382	1319 / 314	1319 / 485	1297 / 431	1261 / 549
			Temp. Rise	53	53	53	54	56
1350	40% (low)	709	CFM/Watts	676 / 85	698 / 85	708 / 156	711 / 163	712 / 230
			Temp. Rise	54	53	52	52	52
	65% (medium)	972	CFM/Watts	962 / 183	974 / 161	980 / 268	972 / 256	956 / 355
			Temp. Rise	52	52	51	52	53
	100% (high)	1350	CFM/Watts	1372 / 420	1372 / 343	1370 / 526	1347 / 463	1307 / 582
			Temp. Rise	51	51	51	52	54
1400 [a]	40% (low)	735	CFM/Watts	705 / 93	725 / 90	735 / 165	737 / 170	736 / 241
			Temp. Rise	52	51	50	50	50
	65% (medium)	1008	CFM/Watts	1001 / 201	1012 / 174	1017 / 288	1008 / 272	990 / 374
			Temp. Rise	50	50	50	50	51
	100% (high)	1400	CFM/Watts	1426 / 460	1424 / 373	1422 / 569	1396 / 497	1354 / 617
			Temp. Rise	49	49	49	50	52
1610	40% (low)	845	CFM/Watts	824 / 129	841 / 119	849 / 207	846 / 206	838 / 291
			Temp. Rise	45	44	43	43	44
	65% (medium)	1159	CFM/Watts	1165 / 286	1171 / 240	1173 / 382	1158 / 348	1130 / 460
			Temp. Rise	43	43	43	44	45
	100% (high)	1610	CFM/Watts	1654 / 650	1645 / 518	1639 / 770	1605 / 655	1549 / 772
			Temp. Rise	42	43	43	44	45

[a] Factory Setting.

Table 12. *DHMC100CCV4VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	Heating Stage	Target Airflow		External Static Pressure				
				0.1	0.3	0.5	0.7	0.9
1500	40% (low)	668	CFM/Watts	666 / 24	657 / 92	643 / 116	628 / 206	609 / 206
			Temp. Rise	59	59	61	62	64
	65% (medium)	1080	CFM/Watts	1077 / 128	1063 / 237	1041 / 237	1016 / 368	985 / 398
			Temp. Rise	59	59	61	62	64
	100% (high)	1500	CFM/Watts	1496 / 304	1476 / 455	1446 / 396	1410 / 604	1368 / 596
			Temp. Rise	59	59	61	62	64
1600	40% (low)	712	CFM/Watts	710 / 32	701 / 105	686 / 128	670 / 220	650 / 227
			Temp. Rise	55	56	57	58	60
	65% (medium)	1152	CFM/Watts	1149 / 153	1134 / 270	1110 / 262	1083 / 404	1051 / 432
			Temp. Rise	55	56	57	58	60
	100% (high)	1600	CFM/Watts	1596 / 356	1575 / 517	1542 / 438	1504 / 670	1460 / 643
			Temp. Rise	55	56	57	58	60
1650[a]	40% (low)	734	CFM/Watts	732 / 36	723 / 111	708 / 134	690 / 227	670 / 237
			Temp. Rise	53	54	55	56	58
	65% (medium)	1188	CFM/Watts	1185 / 166	1169 / 286	1145 / 275	1117 / 422	1084 / 449
			Temp. Rise	53	54	55	56	58
	100% (high)	1650	CFM/Watts	1646 / 384	1624 / 550	1590 / 461	1551 / 705	1505 / 667
			Temp. Rise	53	54	55	56	58
1700	40% (low)	757	CFM/Watts	755 / 40	744 / 118	729 / 140	711 / 235	690 / 247
			Temp. Rise	52	52	53	55	56
	65% (medium)	1224	CFM/Watts	1221 / 180	1205 / 304	1180 / 288	1151 / 441	1117 / 466
			Temp. Rise	52	52	53	55	56
	100% (high)	1700	CFM/Watts	1696 / 413	1673 / 583	1639 / 483	1598 / 726	1551 / 726
			Temp. Rise	52	52	53	55	56

[a] Factory Setting.

Table 13. *DHMD120CCV5VA^ heating airflow

Furnace Heating Airflow (CFM), Power (Watts), and Temp. Rise (°F) vs. External Static Pressure with Filter (iwc)								
Airflow Setting	Heating Stage	Target Airflow		External Static Pressure				
				0.1	0.3	0.5	0.7	0.9
1660	40% (low)	780	CFM/Watts	827 / 76	870 / 98	800 / 142	779 / 175	785 / 212
			Temp. Rise	57	55	59	61	60
	65% (medium)	1195	CFM/Watts	1214 / 193	1282 / 223	1211 / 285	1209 / 334	1212 / 385
			Temp. Rise	57	54	57	57	57
	100% (high)	1660	CFM/Watts	1648 / 459	1743 / 499	1671 / 609	1691 / 695	1690 / 799
			Temp. Rise	64	61	63	62	62
1760	40% (low)	827	CFM/Watts	871 / 85	917 / 108	846 / 153	827 / 188	834 / 226
			Temp. Rise	55	52	56	57	57
	65% (medium)	1267	CFM/Watts	1281 / 224	1353 / 255	1282 / 322	1283 / 375	1286 / 431
			Temp. Rise	54	51	54	53	53
	100% (high)	1760	CFM/Watts	1741 / 541	1842 / 582	1770 / 709	1795 / 808	1792 / 932
			Temp. Rise	61	57	60	59	59
1850[a]	40% (low)	870	CFM/Watts	911 / 94	959 / 117	889 / 165	872 / 201	878 / 240
			Temp. Rise	52	50	53	54	54
	65% (medium)	1332	CFM/Watts	1470 / 329	1553 / 366	1482 / 449	1493 / 517	1493 / 592
			Temp. Rise	47	44	46	46	46
	100% (high)	1850	CFM/Watts	1825 / 624	1931 / 663	1859 / 811	1888 / 922	1885 / 1068
			Temp. Rise	58	55	57	56	56
2040	40% (low)	959	CFM/Watts	994 / 116	1047 / 140	977 / 191	964 / 230	969 / 272
			Temp. Rise	48	45	49	49	49
	65% (medium)	1469	CFM/Watts	1671 / 479	1767 / 519	1696 / 633	1717 / 722	1715 / 831
			Temp. Rise	41	39	40	40	40
	100% (high)	2040	CFM/Watts	2002 / 827	1983 / 925	1977 / 925	1902 / 925	1853 / 925
			Temp. Rise	53	53	53	55	57

[a] Factory Setting.

Table 14. *UHMB060CCV3VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
1.5	290	356 / 29	476 / 67	488 / 97	511 / 132	519 / 167
	310	389 / 32	504 / 71	516 / 102	538 / 138	545 / 174
	330	422 / 36	533 / 75	544 / 107	565 / 144	572 / 181
	350	455 / 39	561 / 79	566 / 111	589 / 150	592 / 187
	370	487 / 43	589 / 84	600 / 119	619 / 158	624 / 197
	400	537 / 50	631 / 92	655 / 130	669 / 171	673 / 212
	430	586 / 57	674 / 101	684 / 139	700 / 182	702 / 223
	450	619 / 63	695 / 106	717 / 150	727 / 193	733 / 236
2.0	290	515 / 47	613 / 88	623 / 124	641 / 164	646 / 204
	310	559 / 53	650 / 96	660 / 133	677 / 175	681 / 215
	330	602 / 60	688 / 104	698 / 143	713 / 186	716 / 228
	350	646 / 68	707 / 112	737 / 156	748 / 200	752 / 243
	370	690 / 76	763 / 123	772 / 165	785 / 211	785 / 255
	400	764 / 86	816 / 137	778 / 180	847 / 231	844 / 275
	430	821 / 108	876 / 159	884 / 206	892 / 256	890 / 303
	450	937 / 136	968 / 193	977 / 241	985 / 295	984 / 343

Table 14. *UHMB060CCV3VA^ cooling airflow (continued)

Outdoor Tonnage (tons)	Airflow Setting (CFM/ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
2.5	290	673 / 73	749 / 119	758 / 161	771 / 206	772 / 250
	310	732 / 79	791 / 129	756 / 160	766 / 203	818 / 268
	330	783 / 98	843 / 147	852 / 193	861 / 242	860 / 288
	350	848 / 110	894 / 163	908 / 212	917 / 262	917 / 308
	370	892 / 129	937 / 182	945 / 232	951 / 284	947 / 333
	400	972 / 160	1015 / 213	972 / 262	957 / 312	1036 / 374
	430	1057 / 191	1078 / 249	1085 / 306	1085 / 360	1078 / 415
	450	1115 / 214	1137 / 275	1142 / 333	1140 / 388	1139 / 447
3.0[a]	290	832 / 111	885 / 162	894 / 210	901 / 260	899 / 308
	310	898 / 131	942 / 184	950 / 234	955 / 286	951 / 336
	330	964 / 154	998 / 209	1006 / 262	1009 / 314	1004 / 366
	350	1039 / 181	1065 / 237	1073 / 292	1074 / 344	1075 / 402
	370	1095 / 208	1111 / 268	1118 / 326	1116 / 380	1108 / 436
	400[a]	1189 / 257	1212 / 320	1214 / 380	1149 / 435	1207 / 500
	430	1292 / 317	1280 / 383	1285 / 448	1278 / 501	1201 / 508
	450	1326 / 366	1317 / 433	1361 / 495	1242 / 510	1166 / 509

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

Note: *CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Table 15. *UHMB080CCV3VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
2.0	290	504 / 34	565 / 70	586 / 104	521 / 138	540 / 172
	310	547 / 40	604 / 77	624 / 112	559 / 147	579 / 182
	330	590 / 47	644 / 85	663 / 121	597 / 157	617 / 193
	350	656 / 54	695 / 93	701 / 130	703 / 167	694 / 204
	370	676 / 62	724 / 102	740 / 140	674 / 179	694 / 217
	400	764 / 75	792 / 116	801 / 157	795 / 197	789 / 238
	430	806 / 89	844 / 133	856 / 175	788 / 216	810 / 259
	450	877 / 102	899 / 145	901 / 188	895 / 230	886 / 275
2.5	290	660 / 59	709 / 99	726 / 136	659 / 174	680 / 212
	310	740 / 70	768 / 109	772 / 149	769 / 189	764 / 229
	330	768 / 81	809 / 123	822 / 164	755 / 205	776 / 246
	350	848 / 94	869 / 138	871 / 179	868 / 220	858 / 265
	370	875 / 107	909 / 153	918 / 197	850 / 240	872 / 284
	400	978 / 130	994 / 179	992 / 224	989 / 270	980 / 316
	430	1037 / 157	1058 / 209	1063 / 258	994 / 305	1017 / 354
	450	1093 / 174	1096 / 227	1082 / 276	1065 / 324	1051 / 378
3.0[a]	290	816 / 92	854 / 136	865 / 178	798 / 220	819 / 262
	310	881 / 108	914 / 155	923 / 199	855 / 242	877 / 286
	330	945 / 127	974 / 176	981 / 222	912 / 266	935 / 313
	350	1029 / 148	1043 / 199	1043 / 246	1035 / 292	1028 / 340
	370	1074 / 170	1093 / 224	1097 / 274	1027 / 322	1050 / 372
	400[a]	1170 / 206	1181 / 262	1184 / 317	1180 / 370	1174 / 423
	430	1268 / 254	1276 / 314	1270 / 372	1199 / 430	1224 / 484
	450	1321 / 287	1321 / 351	1306 / 415	1295 / 477	1251 / 518
3.5	290	972 / 135	998 / 185	1005 / 232	936 / 277	959 / 324
	310	1047 / 161	1068 / 213	1073 / 262	1003 / 310	1026 / 359
	330	1123 / 189	1138 / 244	1140 / 296	1070 / 347	1094 / 398
	350	1195 / 215	1204 / 275	1208 / 329	1205 / 383	1195 / 437
	370	1273 / 257	1278 / 317	1275 / 376	1204 / 433	1228 / 488
	400	1375 / 316	1385 / 383	1384 / 444	1383 / 513	1305 / 513
	430	1499 / 389	1487 / 457	1491 / 513	1392 / 513	1303 / 513
	450	1513 / 398	1512 / 470	1508 / 529	1418 / 524	1341 / 522

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

Note: *CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Table 16. *UHMC100CCV4VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
2.5	290	714 / 79	734 / 118	739 / 157	733 / 194	722 / 231
	310	765 / 88	784 / 128	789 / 168	782 / 206	770 / 244
	330	816 / 96	834 / 138	838 / 179	831 / 220	819 / 258
	350	868 / 103	884 / 149	887 / 192	880 / 234	867 / 273
	370	919 / 117	934 / 161	936 / 205	929 / 249	916 / 290
	400	995 / 135	1009 / 181	1009 / 227	1002 / 274	989 / 316
	430	1072 / 156	1084 / 204	1083 / 253	1075 / 302	1061 / 346
	450	1123 / 171	1134 / 220	1132 / 271	1124 / 322	1110 / 368
3.0	290	862 / 105	879 / 148	882 / 190	875 / 232	863 / 272
	310	924 / 118	939 / 162	941 / 207	934 / 250	921 / 291
	330	985 / 133	999 / 178	1000 / 224	992 / 270	979 / 313
	350	1046 / 149	1059 / 196	1059 / 244	1051 / 292	1037 / 336
	370	1108 / 167	1119 / 215	1117 / 265	1109 / 316	1095 / 362
	400	1200 / 197	1209 / 248	1206 / 301	1197 / 355	1183 / 404
	430	1292 / 232	1299 / 286	1294 / 343	1285 / 400	1270 / 453
	450	1353 / 258	1359 / 314	1353 / 373	1344 / 432	1328 / 488
3.5	290	1011 / 139	1024 / 185	1024 / 232	1017 / 279	1003 / 322
	310	1082 / 159	1094 / 207	1093 / 256	1085 / 306	1071 / 351
	330	1154 / 181	1164 / 231	1162 / 283	1153 / 335	1139 / 382
	350	1225 / 206	1234 / 258	1230 / 312	1222 / 367	1207 / 417
	370	1297 / 234	1304 / 288	1299 / 345	1290 / 402	1275 / 455
	400	1404 / 281	1409 / 340	1402 / 400	1393 / 462	1377 / 520
	430	1512 / 336	1514 / 399	1505 / 464	1495 / 530	1478 / 595
	450	1583 / 377	1584 / 444	1574 / 512	1564 / 580	1546 / 650
4.0[a]	290	1159 / 183	1169 / 233	1167 / 285	1158 / 337	1144 / 385
	310	1241 / 212	1249 / 264	1245 / 319	1236 / 374	1221 / 425
	330	1323 / 244	1329 / 300	1324 / 358	1315 / 416	1299 / 470
	350	1404 / 281	1409 / 340	1402 / 400	1393 / 462	1377 / 520
	370	1486 / 322	1489 / 384	1481 / 448	1471 / 513	1454 / 576
	400[a]	1609 / 393	1609 / 461	1599 / 530	1588 / 599	1571 / 671
	430	1732 / 475	1730 / 550	1716 / 624	1705 / 698	1687 / 781
	450	1813 / 536	1810 / 617	1795 / 694	1783 / 772	1765 / 864

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

Note: *CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Table 17. *UHMD120CCV5VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
3.5	290	1000 / 122	1024 / 168	1028 / 209	1022 / 251	1011 / 300
	310	1072 / 140	1094 / 188	1097 / 234	1089 / 281	1076 / 331
	330	1143 / 160	1164 / 211	1165 / 261	1157 / 313	1141 / 364
	350	1214 / 182	1233 / 236	1234 / 291	1224 / 347	1207 / 400
	370	1286 / 207	1303 / 264	1302 / 323	1291 / 384	1272 / 438
	400	1393 / 250	1408 / 311	1405 / 377	1392 / 444	1370 / 500
	430	1500 / 300	1513 / 365	1508 / 437	1492 / 509	1468 / 565
	450	1571 / 337	1582 / 406	1576 / 481	1559 / 555	1533 / 611
4.0	290	1148 / 161	1169 / 213	1170 / 263	1161 / 315	1146 / 367
	310	1230 / 187	1248 / 242	1248 / 297	1238 / 355	1221 / 408
	330	1311 / 217	1328 / 274	1327 / 335	1315 / 398	1295 / 452
	350	1393 / 250	1408 / 311	1405 / 377	1392 / 444	1370 / 500
	370	1474 / 287	1488 / 352	1483 / 422	1468 / 493	1445 / 549
	400	1597 / 352	1607 / 421	1601 / 497	1583 / 572	1556 / 628
	430	1719 / 427	1727 / 503	1718 / 581	1699 / 655	1668 / 711
	450	1801 / 483	1807 / 563	1797 / 642	1775 / 712	1743 / 768
5.0[a]	290	1444 / 273	1458 / 336	1454 / 405	1440 / 475	1417 / 530
	310	1546 / 324	1557 / 391	1552 / 465	1535 / 538	1510 / 594
	330	1648 / 381	1657 / 454	1650 / 531	1631 / 606	1603 / 662
	350	1750 / 447	1757 / 525	1748 / 603	1727 / 676	1696 / 732
	370	1852 / 522	1857 / 604	1845 / 682	1823 / 749	1790 / 804
	400[a]	2004 / 651	2006 / 742	1992 / 811	1967 / 863	1947 / 966
	430	2157 / 803	2156 / 902	2140 / 966	2050 / 966	1947 / 966
	450	2259 / 966	2255 / 966	2140 / 966	2050 / 966	1947 / 966

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

Note: *CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Table 18. *DHMB060CCV3VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
1.5	290	458 / 28	456 / 52	477 / 73	481 / 92	491 / 118
	310	487 / 32	485 / 56	504 / 77	507 / 97	515 / 124
	330	516 / 36	514 / 61	532 / 82	533 / 104	540 / 132
	350	545 / 40	543 / 66	559 / 88	560 / 111	564 / 141
	370	574 / 45	572 / 72	586 / 95	586 / 120	589 / 151
	400	617 / 54	615 / 81	627 / 107	625 / 135	625 / 169
	430	660 / 63	658 / 91	668 / 120	665 / 152	662 / 189
	450	689 / 70	687 / 99	695 / 130	691 / 164	686 / 203
2.0	290	598 / 50	596 / 77	609 / 101	608 / 128	609 / 161
	310	636 / 58	634 / 85	645 / 113	643 / 142	641 / 177
	330	675 / 66	673 / 95	682 / 125	678 / 158	674 / 196
	350	713 / 76	711 / 105	718 / 139	713 / 175	706 / 216
	370	752 / 87	750 / 117	754 / 154	748 / 193	739 / 236
	400	810 / 104	808 / 136	809 / 178	800 / 222	788 / 269
	430	868 / 125	866 / 159	863 / 205	853 / 253	836 / 301
	450	906 / 140	904 / 175	900 / 223	888 / 274	869 / 323
2.5	290	738 / 82	735 / 113	741 / 148	735 / 186	727 / 228
	310	786 / 97	784 / 128	786 / 168	778 / 210	767 / 255
	330	834 / 112	832 / 145	831 / 189	822 / 235	808 / 282
	350	882 / 130	880 / 164	877 / 212	866 / 261	849 / 310
	370	930 / 150	928 / 186	922 / 236	909 / 287	889 / 337
	400	1003 / 183	1000 / 222	990 / 274	975 / 326	950 / 375
	430	1075 / 220	1073 / 263	1059 / 314	1041 / 364	1011 / 408
	450	1123 / 248	1121 / 294	1104 / 341	1084 / 389	1052 / 427
3.0[a]	290	877 / 128	875 / 162	872 / 209	861 / 258	845 / 307
	310	935 / 152	933 / 188	927 / 238	914 / 289	893 / 339
	330	993 / 178	991 / 217	981 / 268	966 / 321	942 / 370
	350	1051 / 207	1049 / 249	1036 / 300	1019 / 352	991 / 398
	370	1109 / 239	1106 / 284	1090 / 333	1071 / 381	1040 / 422
	400[a]	1195 / 294	1193 / 345	1172 / 384	1150 / 422	1113 / 449
	430	1282 / 357	1280 / 414	1254 / 436	1229 / 456	1186 / 463
	450	1334 / 405	1351 / 466	1272 / 463	1201 / 459	1125 / 455

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

Note: *CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Table 19. *DHMB080CCV3VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
2.0	290	535 / 44	558 / 74	572 / 108	580 / 142	580 / 175
	310	579 / 51	601 / 82	614 / 118	620 / 152	619 / 187
	330	622 / 58	643 / 92	655 / 128	660 / 163	659 / 199
	350	665 / 67	697 / 104	705 / 141	697 / 175	694 / 214
	370	709 / 76	728 / 113	738 / 151	741 / 187	737 / 225
	400	779 / 90	802 / 131	809 / 169	797 / 207	793 / 250
	430	839 / 110	854 / 152	863 / 192	862 / 231	855 / 272
	450	903 / 125	917 / 168	916 / 208	906 / 248	891 / 287
2.5	290	692 / 72	712 / 109	723 / 146	726 / 182	722 / 220
	310	747 / 85	765 / 123	774 / 162	776 / 199	771 / 238
	330	801 / 99	817 / 140	826 / 179	827 / 217	820 / 257
	350	855 / 115	870 / 157	878 / 198	877 / 237	869 / 278
	370	909 / 132	923 / 177	930 / 218	927 / 259	918 / 301
	400	1005 / 164	1014 / 211	1014 / 252	1003 / 295	993 / 337
	430	1072 / 196	1082 / 246	1086 / 291	1078 / 336	1065 / 381
	450	1126 / 221	1134 / 272	1137 / 319	1129 / 366	1114 / 411
3.0[a]	290	849 / 113	865 / 156	873 / 196	872 / 235	864 / 276
	310	915 / 134	928 / 179	935 / 221	932 / 261	923 / 303
	330	980 / 158	992 / 205	997 / 248	993 / 290	982 / 333
	350	1045 / 184	1055 / 233	1060 / 278	1053 / 322	1041 / 366
	370	1110 / 213	1119 / 264	1122 / 311	1114 / 357	1100 / 402
	400[a]	1211 / 260	1208 / 312	1209 / 366	1202 / 418	1195 / 465
	430	1305 / 319	1309 / 373	1309 / 428	1295 / 482	1242 / 502
	450	1370 / 360	1372 / 415	1371 / 473	1320 / 502	1242 / 502

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

***Note:** CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Table 20. *DHMC100CCV4VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
2.5	290	723 / 58	713 / 109	699 / 157	682 / 204	661 / 234
	310	773 / 72	763 / 125	747 / 174	729 / 222	707 / 256
	330	823 / 87	812 / 141	795 / 182	776 / 241	753 / 279
	350	873 / 103	861 / 158	842 / 210	823 / 260	798 / 302
	370	923 / 120	910 / 177	892 / 229	870 / 279	844 / 325
	400	998 / 148	984 / 206	964 / 258	940 / 309	912 / 360
	430	1072 / 179	1058 / 238	1036 / 290	1011 / 341	981 / 396
	450	1122 / 201	1107 / 260	1084 / 312	1058 / 362	1026 / 420
3.0	290	868 / 101	856 / 157	839 / 208	818 / 258	794 / 299
	310	928 / 122	915 / 179	896 / 231	874 / 281	849 / 327
	330	988 / 144	974 / 202	954 / 254	931 / 305	903 / 356
	350	1047 / 169	1033 / 227	1012 / 279	987 / 330	958 / 384
	370	1107 / 195	1092 / 253	1070 / 305	1044 / 356	1013 / 413
	400	1197 / 237	1181 / 296	1157 / 346	1128 / 395	1095 / 455
	430	1287 / 284	1269 / 341	1243 / 390	1213 / 436	1177 / 498
	450	1347 / 317	1329 / 373	1301 / 420	1269 / 465	1232 / 526
3.5	290	1013 / 154	999 / 212	978 / 265	954 / 315	926 / 367
	310	1082 / 184	1068 / 242	1048 / 294	1020 / 345	990 / 401
	330	1152 / 215	1137 / 274	1113 / 325	1086 / 375	1054 / 434
	350	1222 / 250	1206 / 308	1181 / 358	1152 / 406	1118 / 467
	370	1292 / 286	1274 / 344	1248 / 392	1218 / 439	1182 / 500
	400	1397 / 346	1378 / 401	1349 / 446	1316 / 489	1277 / 548
	430	1501 / 411	1481 / 463	1451 / 503	1415 / 541	1373 / 595
	450	1571 / 457	1550 / 507	1518 / 543	1481 / 577	1437 / 625
4.0[a]	290	1157 / 218	1142 / 276	1118 / 328	1091 / 377	1058 / 436
	310	1237 / 257	1220 / 315	1195 / 365	1166 / 413	1131 / 474
	330	1317 / 300	1299 / 357	1272 / 405	1241 / 450	1204 / 512
	350	1397 / 346	1378 / 401	1349 / 446	1316 / 489	1277 / 548
	370	1476 / 395	1456 / 448	1426 / 489	1392 / 529	1350 / 584
	400[a]	1596 / 474	1575 / 523	1542 / 558	1504 / 591	1460 / 636
	430	1716 / 560	1693 / 604	1658 / 631	1617 / 726	1569 / 726
	450	1796 / 622	1771 / 661	1735 / 682	1693 / 726	1642 / 726

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

Note: *CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Table 21. *DHMD120CCV5VA^ cooling airflow

Outdoor Tonnage (tons)	Airflow Setting (CFM/ ton)	EXTERNAL STATIC PRESSURE (IN. W. C.) VS. CFM/WATTS				
		0.1	0.3	0.5	0.7	0.9
3.5	290	1046 / 131	1103 / 157	1032 / 210	1027 / 251	1022 / 295
	310	1111 / 153	1172 / 180	1102 / 237	1099 / 280	1095 / 326
	330	1177 / 178	1242 / 207	1171 / 266	1171 / 313	1167 / 363
	350	1242 / 205	1311 / 236	1240 / 300	1243 / 350	1240 / 404
	370	1307 / 236	1381 / 269	1310 / 337	1315 / 392	1312 / 450
	400	1405 / 289	1485 / 325	1414 / 401	1422 / 464	1421 / 531
	430	1503 / 351	1589 / 389	1518 / 476	1530 / 547	1530 / 627
	450	1569 / 397	1658 / 436	1587 / 533	1602 / 610	1603 / 700
4.0	290	1181 / 180	1247 / 209	1176 / 269	1176 / 316	1172 / 365
	310	1256 / 212	1326 / 243	1255 / 308	1258 / 359	1255 / 413
	330	1331 / 248	1405 / 282	1335 / 352	1340 / 408	1338 / 468
	350	1405 / 289	1485 / 325	1414 / 401	1422 / 464	1421 / 531
	370	1480 / 336	1564 / 373	1493 / 457	1505 / 526	1504 / 602
	400	1592 / 415	1683 / 454	1612 / 554	1628 / 634	1629 / 728
	430	1704 / 507	1802 / 548	1731 / 667	1751 / 761	1753 / 877
	450	1778 / 577	1882 / 617	1810 / 753	1833 / 857	1836 / 991
5.0[a]	290	1452 / 318	1534 / 354	1463 / 436	1474 / 502	1473 / 574
	310	1545 / 380	1634 / 419	1562 / 512	1577 / 587	1577 / 673
	330	1639 / 452	1733 / 492	1661 / 599	1679 / 685	1681 / 787
	350	1732 / 533	1832 / 573	1760 / 699	1782 / 796	1784 / 918
	370	1825 / 624	1931 / 663	1859 / 811	1885 / 922	1888 / 925
	400[a]	1965 / 781	2080 / 925	1977 / 925	1902 / 925	1853 / 925
	430	2064 / 925	2229 / 925	1977 / 925	1902 / 925	1853 / 925
	450	2064 / 925	2250 / 925	1977 / 925	1902 / 925	1853 / 925

Notes:

1. ** First Letter may be "A" or "T".*
2. *^ Letter may be "A" through "Z".*
3. *Continuous Fan Setting: Heating or Cooling Airflow is approximately 50% of selected cooling value.*
4. *Low 350 cfm/ton is recommended for variable speed applications for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.*

[a] Factory Setting.

***Note:** CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.*

Maximum Vent Length Table

Table 22. Maximum vent length

VENT LENGTH TABLE - MODULATING FURNACE						
ALTITUDE	**MAXIMUM TOTAL EQUIVALENT LENGTH IN FEET FOR VENT AND INLET Air (See Notes)**					
0-7000 Feet	**2 INCH PIPE**		**2.5 INCH PIPE**		**3 or 4 INCH PIPE**	
	NATURAL GAS	**PROPANE**	**NATURAL GAS**	**PROPANE**	**NATURAL GAS**	**PROPANE**
UH/DHMB060CCV3V	200	Not Allowed	200	Not Allowed	200	150
UH/DHMB080CCV3V	50	Not Allowed	120	Not Allowed	200	150
UH/DHMC100CCV4V	Not Allowed	Not Allowed	60	Not Allowed	200	150
UHMD120CCV5V	Not Allowed	Not Allowed	Not Allowed	Not Allowed	200	150
DHMD120CCV5V	Not Allowed	Not Allowed	Not Allowed	Not Allowed	200	100
7000-9500 Feet	**2 INCH PIPE**		**2.5 INCH PIPE**		**3 or 4 INCH PIPE**	
	NATURAL GAS	**PROPANE**	**NATURAL GAS**	**PROPANE**	**NATURAL GAS**	**PROPANE**
UH/DHMB060CCV3V	100	Not Allowed	100	Not Allowed	100	100
UH/DHMB080CCV3V	25	Not Allowed	60	Not Allowed	100	100
UH/DHMC100CCV4V	Not Allowed	Not Allowed	30	Not Allowed	100	100
UHMD120CCV5V	Not Allowed	Not Allowed	Not Allowed	Not Allowed	100	100
DHMD120CCV5V	Not Allowed	Not Allowed	Not Allowed	Not Allowed	100	50
9500-12000 Feet	**2 INCH PIPE**		**2.5 INCH PIPE**		**3 or 4 INCH PIPE**	
	NATURAL GAS	**PROPANE**	**NATURAL GAS**	**PROPANE**	**NATURAL GAS**	**PROPANE**
UH/DHMB060CCV3V	50	Not Allowed	50	Not Allowed	50	38
UH/DHMB080CCV3V	Not Allowed	Not Allowed	30	Not Allowed	50	38
UH/DHMC100CCV4V	Not Allowed	Not Allowed	Not Allowed	Not Allowed	50	38
UHMD120CCV5V	Not Allowed	Not Allowed	Not Allowed	Not Allowed	50	38
DHMD120CCV5V	Not Allowed	Not Allowed	Not Allowed	Not Allowed	50	25

Notes:

1. ** - First letter may be "A" or "T", ** - Last two digits may be "A" thru "Z"*
2. *Minimum vent length for all models: 3' horizontal or 3' vertical.*
3. *DO NOT MIX PIPE DIAMETERS IN THE SAME LENGTH OF PIPE OUTSIDE THE FURNACE CABINET, (Except adapters at the top of the furnace). If different inlet and vent pipe sizes are used, the vent pipe must adhere to the maximum length limit shown in the table above (See note 6 below for exception). The inlet pipe can be of a larger diameter, but never smaller than the vent pipe.*
4. *MAXIMUM PIPE LENGTHS MUST NOT BE EXCEEDED! THE LENGTH SHOWN IS NOT A COMBINED TOTAL, IT IS THE MAXIMUM LENGTH OF EACH (Vent or Inlet air pipes).*
5. *One SHORT radius 90° elbow is equivalent to 10' of 3" pipe and one LONG radius elbow is equivalent to 6' of 3" pipe. One 90° elbow is equivalent to 7½' of 2½" pipe or 5' of 2" pipe. Two 45° elbows equal one 90° elbow.*
6. *The termination tee or bend must be included in the total number of elbows. If the BAYAIR30AVENTA termination kit is used, the equivalent length of pipe is 5 feet. BAYVENT200B equivalent length is 0 feet.*
7. *Pipe adapters are field supplied. Downflow models, UHM 100 and UHM 120 models include the 2" x 3" adapter.*
8. *For Canadian applications ONLY, IPEX 196006 may be used for horizontal and vertical terminations. IPEX 081216, IPEX 081218, and IPEX 081219 may only be used for horizontal vent terminations. Equivalent lengths are IPEX 196009 = 5 feet, IPEX 081216 = 11 feet, IPEX 081218 = 16 feet, and IPEX 081219 = 21 feet.*

Electrical Data

Figure 1. TUHM wiring diagram

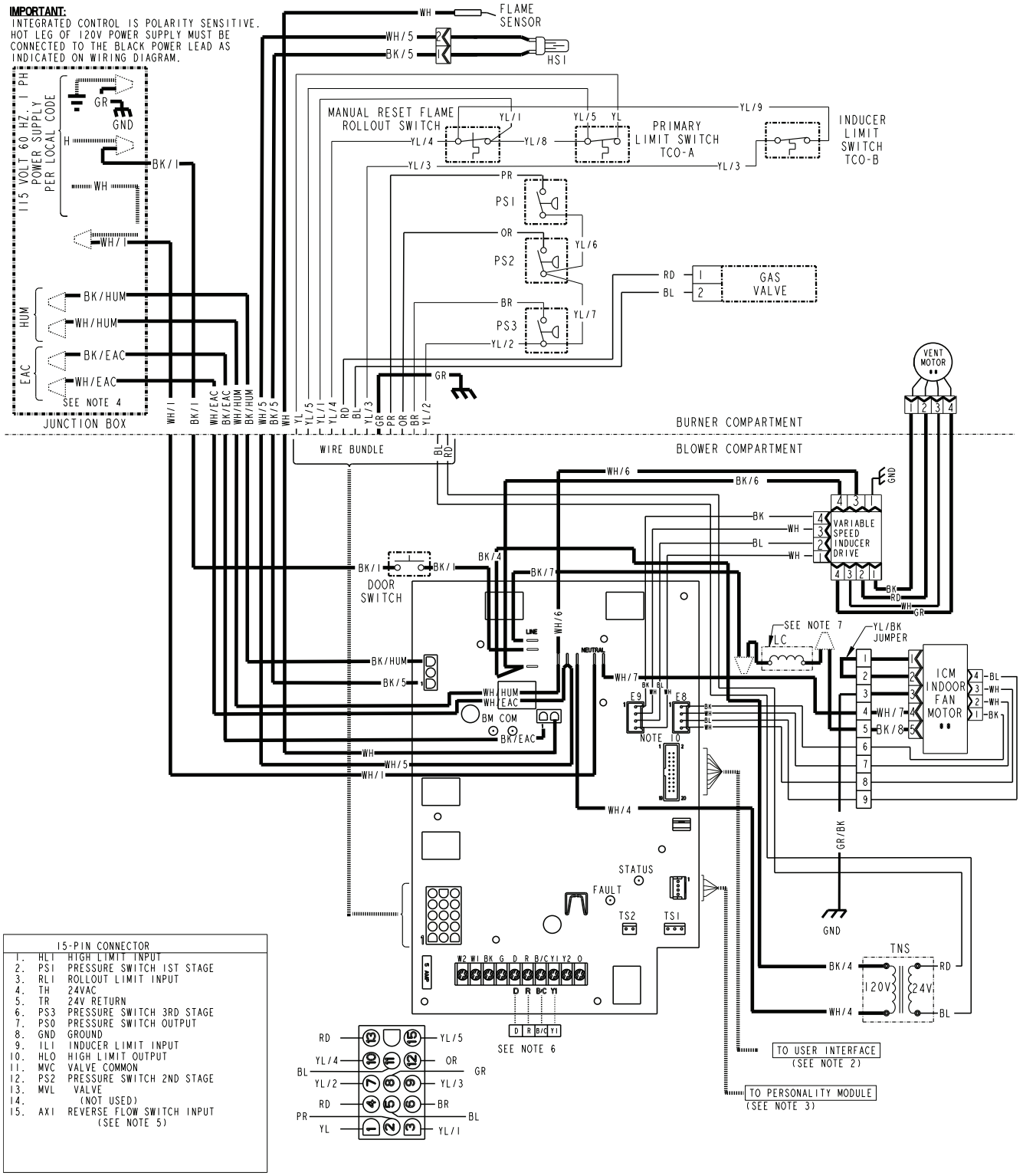
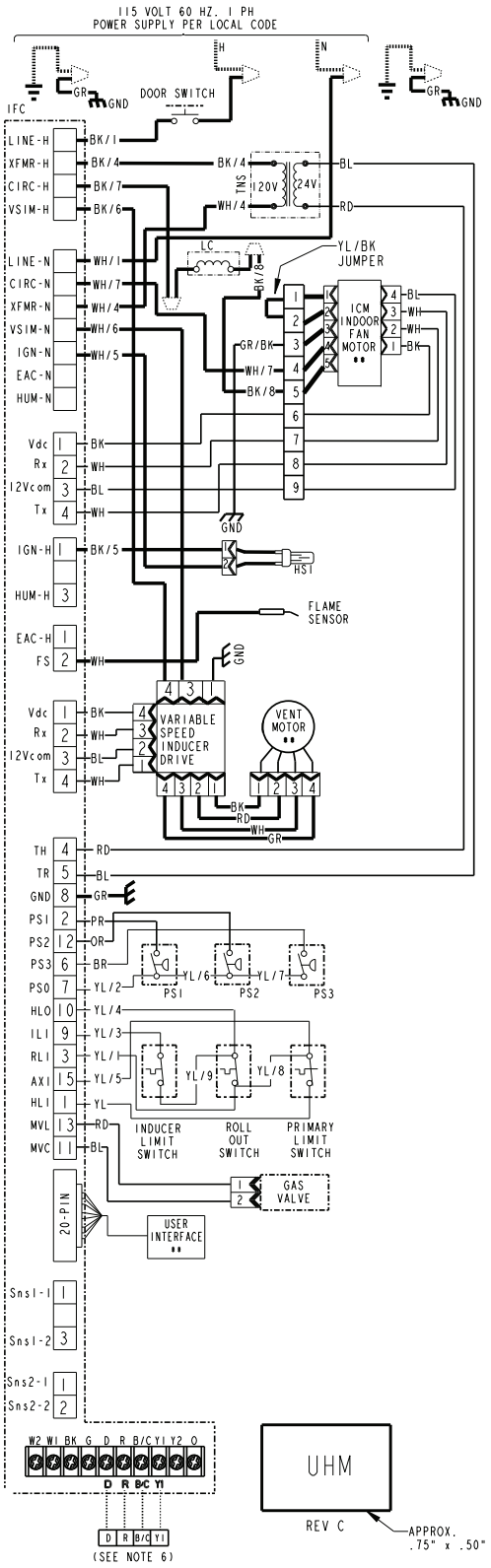


Figure 2. TUHM schematic diagram



DIAGNOSTIC CODES	
RED LED - FAULT Data - 1 Flash every 20 seconds	
2 FLASHES - SYSTEM LOCKOUT RETRIES OR RECYCLES EXCEEDED	6 FLASHES - 115 VOLT AC POWER REVERSED OR IGNITER FAULT
3 FLASHES - PRESSURE SWITCH FAULT	7 FLASHES - GAS VALVE CIRCUIT ERROR
	8 FLASHES - LOW FLAME SENSE SIGNAL
4 FLASHES - OPEN LIMIT SWITCH	9 FLASHES - OPEN INDUCER LIMIT
5 FLASHES - FLAME SENSED WHEN NO FLAME SHOULD BE PRESENT	10 FLASHES - COMMUNICATION FAULT
	CONTINUOUS ON - INTERNAL CONTROL FAILURE
GREEN LED - STATUS	
SLOW FLASH - NORMAL, NO CALL FOR HEAT	
FAST FLASH - NORMAL, CALL FOR HEAT PRESENT	
GREEN AND RED LED'S ON CONTINUOUS - INTERNAL CONTROL FAILURE	
GREEN AND RED LED'S OFF CONTINUOUS - FUSE OPEN	

WARNING ⚠	CAUTION ⚠
HAZARDOUS VOLTAGE DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.	USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

INTEGRATED FURNACE CONTROL

REPLACE WITH PART CNT 07080 OR EQUIVALENT
ELECTRICAL RATING
INPUT: 25 V.A.C., 60 HZ.
XFMR SEC. CURRENT: 450 MA. + MV LOAD
MV OUTPUT: 1.5 A @ 24 V.A.C.
IND OUTPUT: 3 PHASE OUTPUT
IGN OUTPUT: 2.0 A @ 120V.A.C.
CIRC. BLOWER OUTPUT: 14.5 FLA, 25 LRA @ 120 VAC
HUMIDIFER & AIR CLEANER MAX. LOAD: 1.0 A @ 120 VAC

TIMINGS
PREPURGE: 0 SEC.; INTERPURGE: 60 SEC.
POST PURGE: 5 SECONDS
IGNITOR WARMUP: 20 SECONDS
IAP: 3; TFI: 5 SECONDS
RETRIES: 2; RECYCLES: 10
HEAT ON DELAY: 45 SECONDS
COOL ON DELAY: 0 SECONDS
AUTO RESTART: 60 MINUTES
AUTO RESTART PURGE: 15 SECONDS

TCO THERMAL CUT OUT
PS PRESSURE SWITCH
FRS FLAME ROLLOUT SWITCH
FP FLAME SENSOR
CHASSIS GROUND
HSI HOT SURFACE IGNITER
DOOR SWITCH
FUSE
LC LINE CHOKE

LINE / 24 V — FACTORY WIRING
LINE / 24 V — FIELD WIRING

** INTERNAL THERMAL PROTECTION

CF CAPACITOR
COIL

BK	BLACK	GR	GREEN
WH	WHITE	BR	BROWN
YL	YELLOW	RD	RED
OR	ORANGE	BL	BLUE

BK/1 — WIRE COLOR; NUMBER ID (IF ANY)

L	LINE	TH	24 VAC (HOT)
N	NEUTRAL	TR	24 VAC (COMMON)
GND	GROUND	MV	MAIN GAS VALVE
B/C	COMMON	TNS	TRANSFORMER
HLO	HIGH LIMIT OUTPUT	ILI	INDUCER LIMIT INPUT
HLI	HIGH LIMIT INPUT		

NOTES:

1. IF ANY OF THE ORIGINAL WIRING AS SUPPLIED WITH THIS FURNACE MUST BE REPLACED, IT, MUST BE WITH WIRE HAVING A TEMPERATURE RATING OF AT LEAST 105° C.
2. USER INTERFACE MUST BE INSTALLED FOR PROPER FURNACE INSTALLATION & SET-UP.
3. CORRECT PERSONALITY MODULE IS REQUIRED FOR PROPER FURNACE OPERATION. PERSONALITY MODULE IS SPECIFIC TO EACH MODEL & SERIAL NUMBER, AND IS TO REMAIN WITHIN IT'S ORIGINAL UNIT.
4. THESE LEADS PROVIDE 120V POWER CONNECTIONS FOR ELECTRONIC AIR CLEANER (EAC) AND HUMIDIFIER (HUM). MAX. LOAD: 1.0 AMPS EACH.
5. ON POWER-UP, LAST FOUR FAULTS, IF ANY, WILL BE FLASHED ON RED LED. GREEN LED WILL BE SOLID ON DURING LAST FAULT RECOVERY.
6. Y1 IS OUTPUT TO NON-COMMUNICATING OUTDOOR UNIT.
7. LINE CHOKE (LC) NOT USED ON ALL MODELS.
8. IN 24 VOLT MODE, AN OPTIONAL HUMIDISTAT CAN BE CONNECTED BETWEEN THE "R" AND "BK" TERMINALS. FACTORY INSTALLED "BK JUMPER" ON THE CIRCUIT BOARD MUST BE CUT. SEE FURNACE INSTALLERS GUIDE FOR DETAILS.
9. USED ON UHM/UXM MODELS ONLY.
10. THESE TWO MOTOR CONNECTIONS (E8 & E9) ARE INTERCHANGEABLE.

D343630G04

Figure 3. TDHM wiring diagram

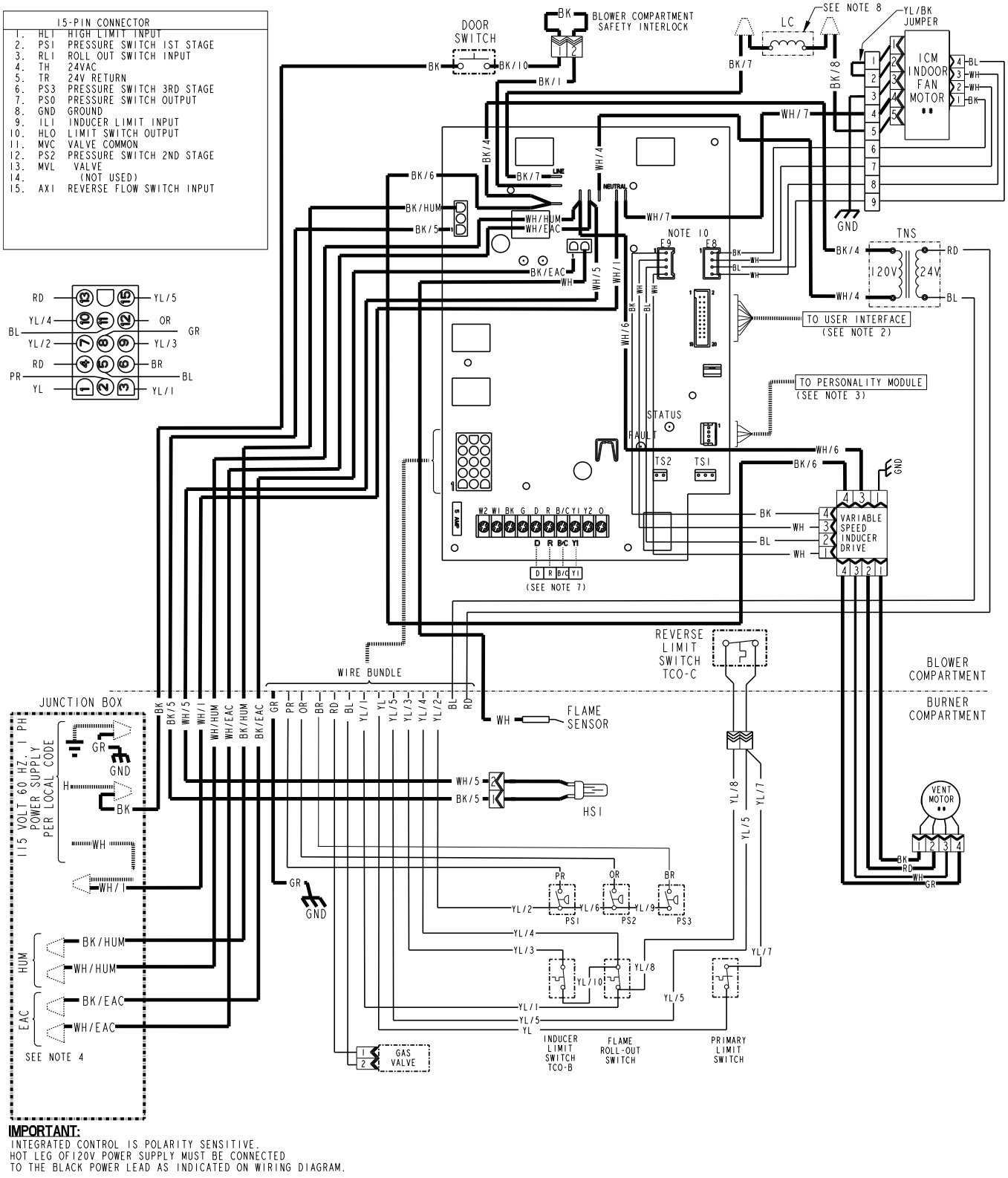
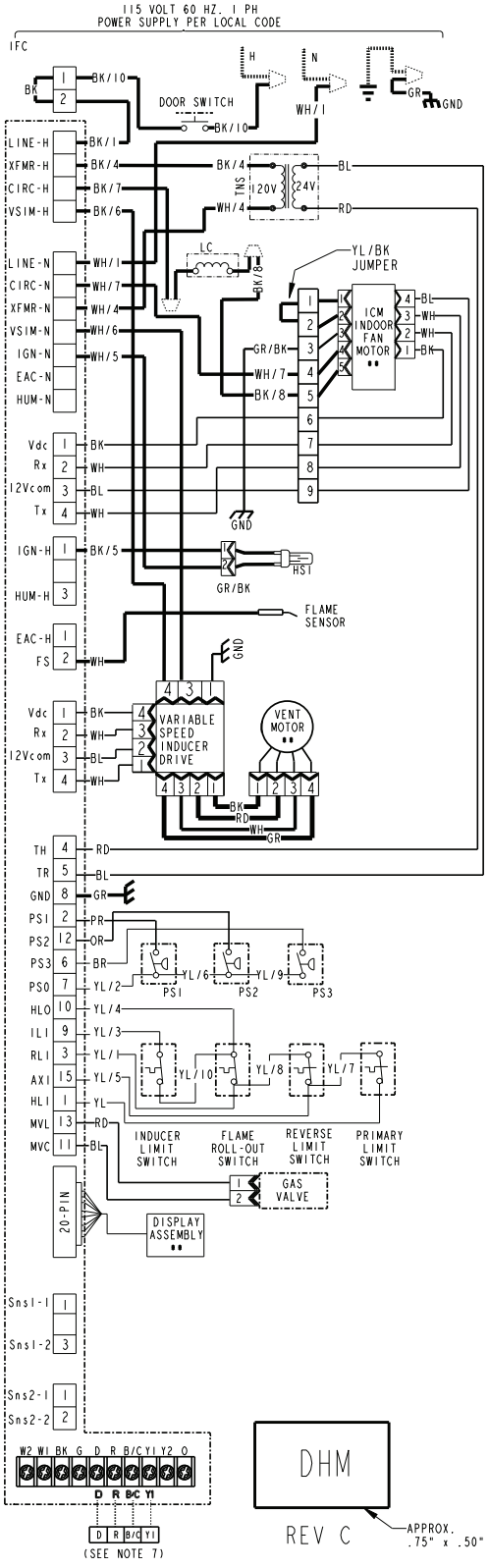


Figure 4. TDHM schematic diagram



DIAGNOSTIC CODES	
RED LED - FAULT Data - 1 Flash every 20 seconds	
2 FLASHES - SYSTEM LOCKOUT RETRIES OR RECYCLES EXCEEDED	6 FLASHES - 115 VOLT AC POWER REVERSED OR IGNITER FAULT
3 FLASHES - PRESSURE SWITCH FAULT	7 FLASHES - GAS VALVE CIRCUIT ERROR
	8 FLASHES - LOW FLAME SENSE SIGNAL
4 FLASHES - OPEN LIMIT SWITCH	9 FLASHES - OPEN INDUCER LIMIT
5 FLASHES - FLAME SENSED WHEN NO FLAME SHOULD BE PRESENT	10 FLASHES - COMMUNICATION FAULT
	CONTINUOUS ON - INTERNAL CONTROL FAILURE
GREEN LED - STATUS	
SLOW FLASH - NORMAL, NO CALL FOR HEAT	
FAST FLASH - NORMAL, CALL FOR HEAT PRESENT	
GREEN AND RED LED'S ON CONTINUOUS - INTERNAL CONTROL FAILURE	
GREEN AND RED LED'S OFF CONTINUOUS - FUSE OPEN	

WARNING ⚠	CAUTION ⚠
HAZARDOUS VOLTAGE DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.	USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

INTEGRATED FURNACE CONTROL

REPLACE WITH PART CNT 07080 OR EQUIVALENT
ELECTRICAL RATING
INPUT: 25 V.A.C., 60 HZ.
XFMR SEC. CURRENT: 450 MA. + MV LOAD
MV OUTPUT: 1.5 A @ 24 V.A.C.
IND OUTPUT: 3 PHASE OUTPUT
IGN OUTPUT: 2.0 A @ 120V.A.C.
CIRC. BLOWER OUTPUT: 14.5 FLA,
25 LRA @ 120 VAC
HUMIDIFER & AIR CLEANER
MAX. LOAD: 1.0 A @ 120 VAC

TIMINGS
PREPURGE: 0 SEC.; INTERPURGE: 60 SEC.
POST PURGE: 5 SECONDS
IGNITOR WARMUP: 20 SECONDS
IAP: 3; TFI: 5 SECONDS
RETRIES: 2; RECYCLES: 10
HEAT ON DELAY: 45 SECONDS
COOL ON DELAY: 0 SECONDS
AUTO RESTART: 60 MINUTES
AUTO RESTART PURGE: 15 SECONDS

TCO THERMAL CUT OUT
PS PRESSURE SWITCH
FRS FLAME ROLLOUT SWITCH
FP FLAME SENSOR
CHASSIS GROUND
HSI HOT SURFACE IGNITER
DOOR SWITCH
FUSE
LC LINE CHOKE

LINE / 24 V — FACTORY WIRING
LINE / 24 V — FIELD WIRING

** INTERNAL THERMAL PROTECTION

CF CAPACITOR
COIL

BK	BLACK	GR	GREEN
WH	WHITE	BR	BROWN
YL	YELLOW	RD	RED
OR	ORANGE	BL	BLUE

WIRE COLOR
BK/1
NUMBER ID (IF ANY)

L	LINE	TH	24 VAC (HOT)
N	NEUTRAL	TR	24 VAC (COMMON)
GND	GROUND	MV	MAIN GAS VALVE
B/C	COMMON	TNS	TRANSFORMER
HLO	HIGH LIMIT OUTPUT	ILI	INDUCER LIMIT INPUT
HLI	HIGH LIMIT INPUT		

NOTES:

1. IF ANY OF THE ORIGINAL WIRING AS SUPPLIED WITH THIS FURNACE MUST BE REPLACED, IT MUST BE WITH WIRE HAVING A TEMPERATURE RATING OF AT LEAST 105 C.
2. USER INTERFACE MUST BE INSTALLED FOR PROPER FURNACE INSTALLATION & SET-UP.
3. CORRECT PERSONALITY MODULE IS REQUIRED FOR PROPER FURNACE OPERATION. PERSONALITY MODULE IS SPECIFIC TO EACH MODEL & SERIAL NUMBER, AND IS TO REMAIN WITHIN IT'S ORIGINAL UNIT.
4. THESE LEADS PROVIDE 120V POWER CONNECTIONS FOR ELECTRONIC AIR CLEANER (EAC) AND HUMIDIFIER (HUM). MAX. LOAD: 1.0 AMPS EACH.
5. USED FOR DHM/DXM
6. ON POWER-UP, LAST FOUR FAULTS, IF ANY, WILL BE FLASHED ON RED LED. GREEN LED WILL BE SOLID ON DURING LAST FAULT RECOVERY.
7. Y1 IS OUTPUT TO NON-COMMUNICATING OUTDOOR UNIT.
8. LINE CHOKE (LC) NOT USED ON ALL MODELS.
9. IN 24 VOLT MODE, AN OPTIONAL HUMIDISTAT CAN BE CONNECTED BETWEEN THE "R" AND "BK" TERMINALS. FACTORY INSTALLED "BK JUMPER" ON THE CIRCUIT BOARD MUST BE CUT. SEE FURNACE INSTALLERS GUIDE FOR DETAILS.
10. THESE TWO MOTOR CONNECTIONS (E9 INDOOR FAN MOTOR AND E8 INDUCER MOTOR) ARE INTERCHANGEABLE.

D343630G05

Notes:

- *The maximum total cable length for the entire Comfort Control communicating system is 500 ft. 18 AWG. The maximum distance of any single cable from a transformer is 250 ft. 18 AWG.*
- *When connecting an EFD whole house air cleaner with this furnace, order BAYACCECOMM101.*
- *The B/C terminal will require three wires to be connected. Rather than connecting the three wires to the low voltage terminal strip, create a pigtail using a short length of thermostat wire and a wire nut (field supplied) to attach to the B/C terminal.*
- *The BAYACCECOMM101 must be used when connecting an EFD whole house air cleaner to a furnace in communicating mode. For 24 volt mode, see the installation in the whole house air cleaner Installer's Guide.*
- *The BAYACCECOMM101 can be ordered through the sales channels.*

Field Wiring

Figure 5. Communicating indoor unit with communicating comfort control and communicating outdoor unit

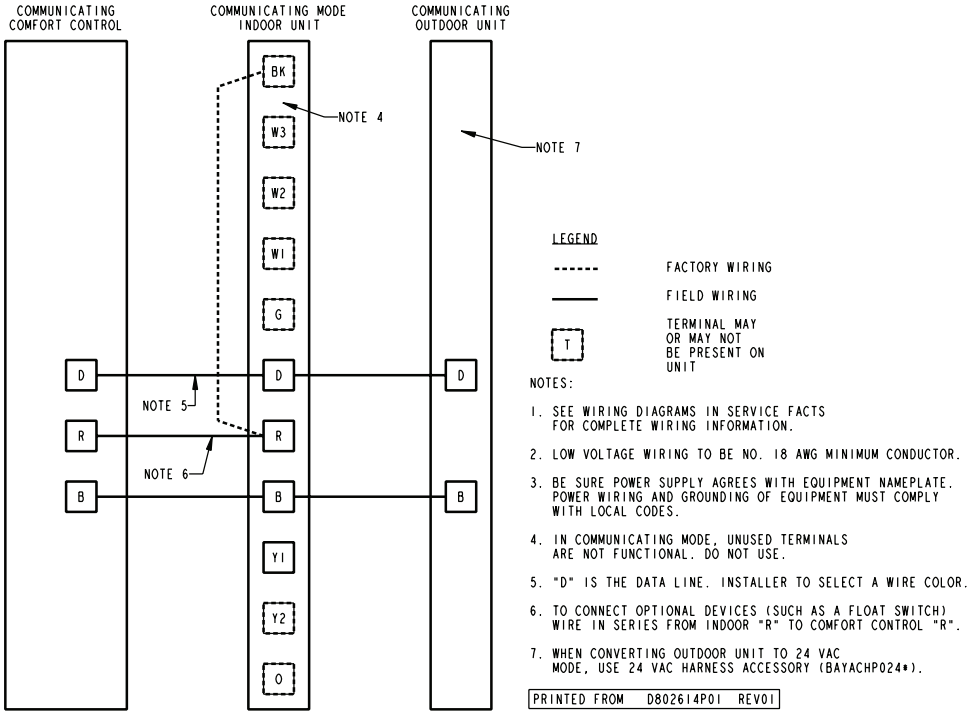


Figure 6. Communicating indoor unit with communicating comfort control and 24 Vac single stage cooling

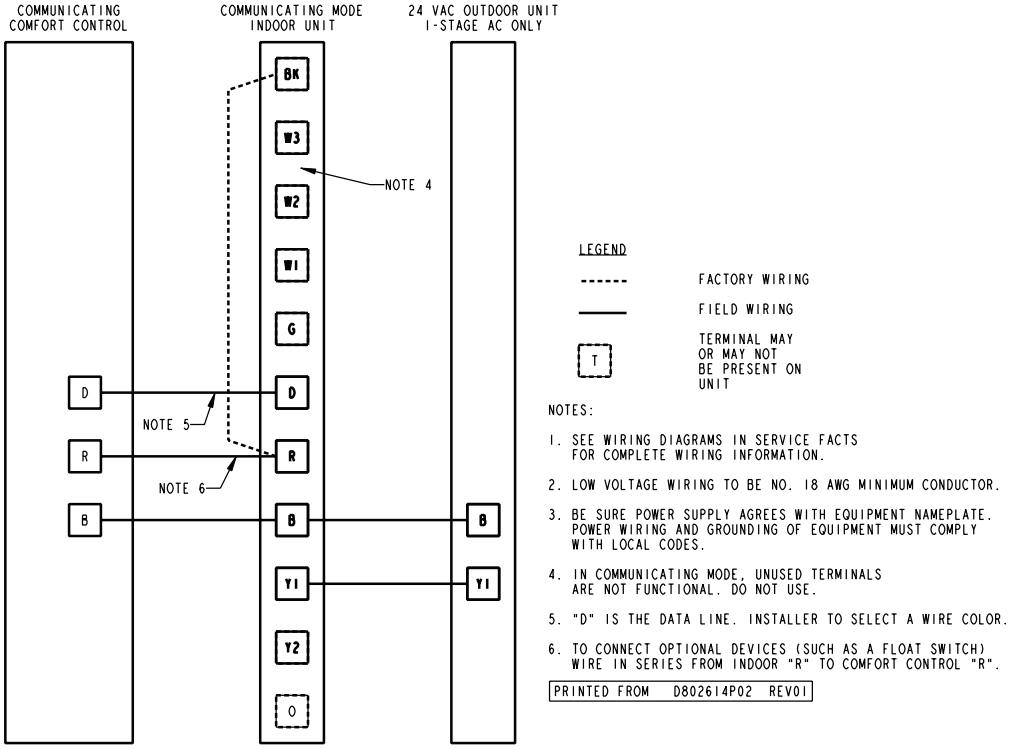


Figure 7. 24 Vac mode indoor unit with 24 Vac comfort control and 24 Vac single stage cooling

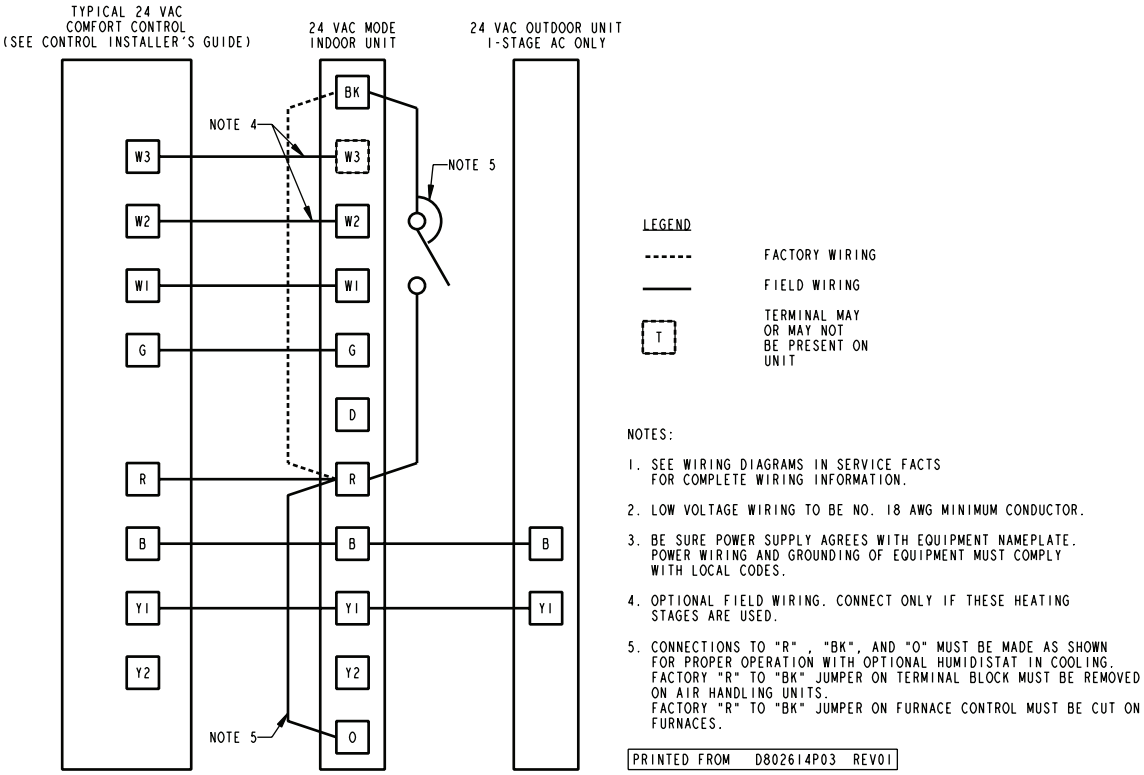


Figure 8. 24 Vac mode indoor unit with 24 VAC comfort control and 24 Vac 2-stage or 2-step cooling

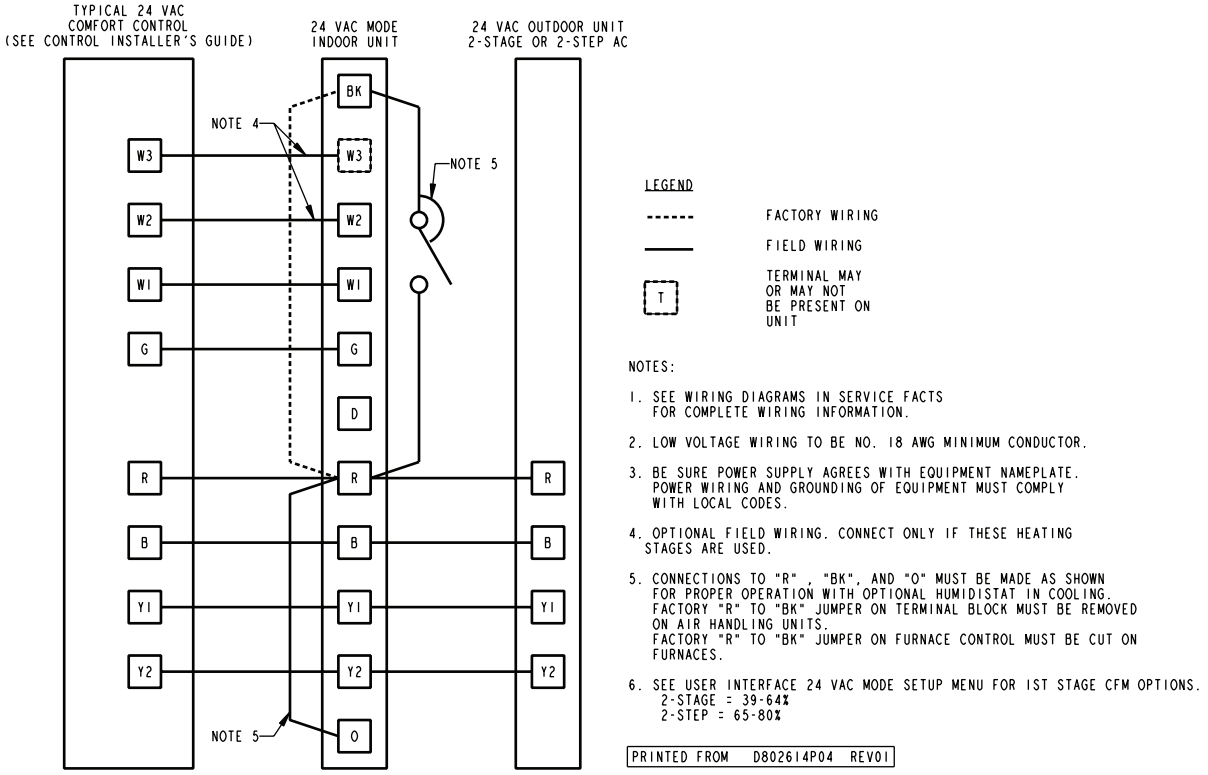


Figure 9. 24 Vac mode indoor unit with 24 Vac comfort control and 24V AC single stage heat pump

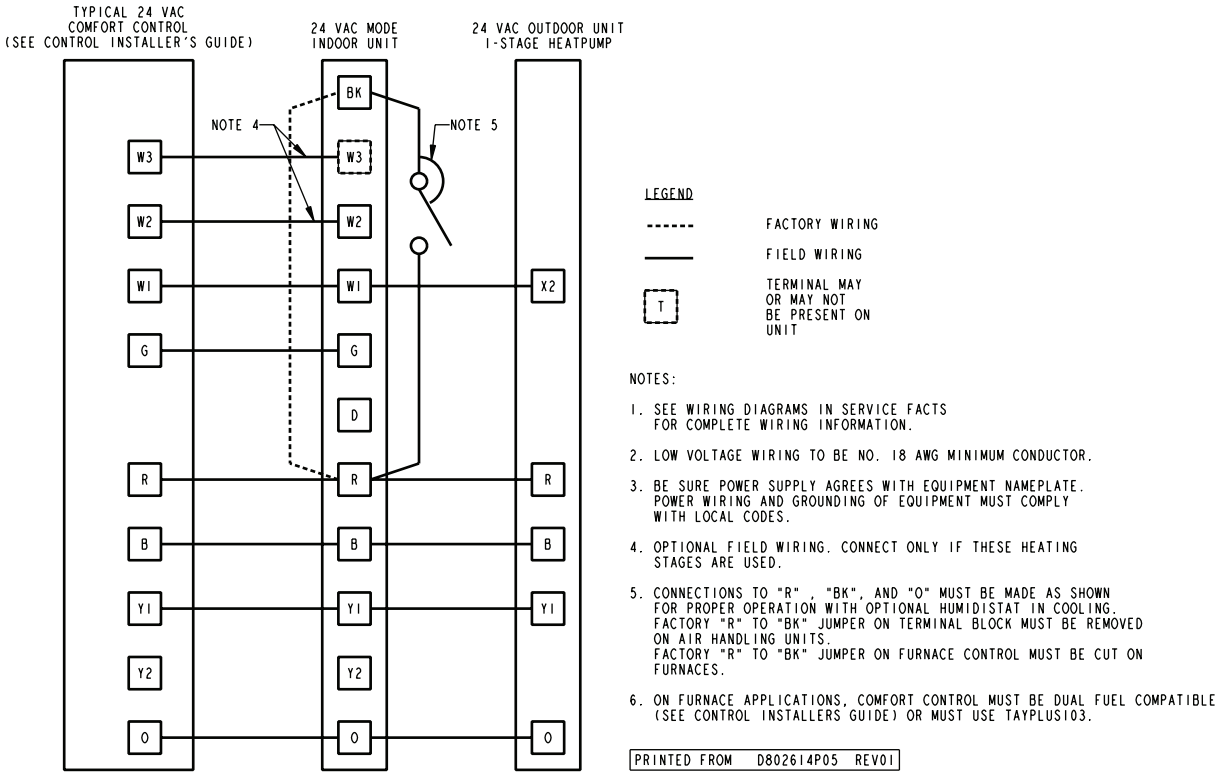


Figure 10. 24 Vac mode indoor unit with 24 Vac comfort control and 24 Vac 2-stage or 2-step heat pump

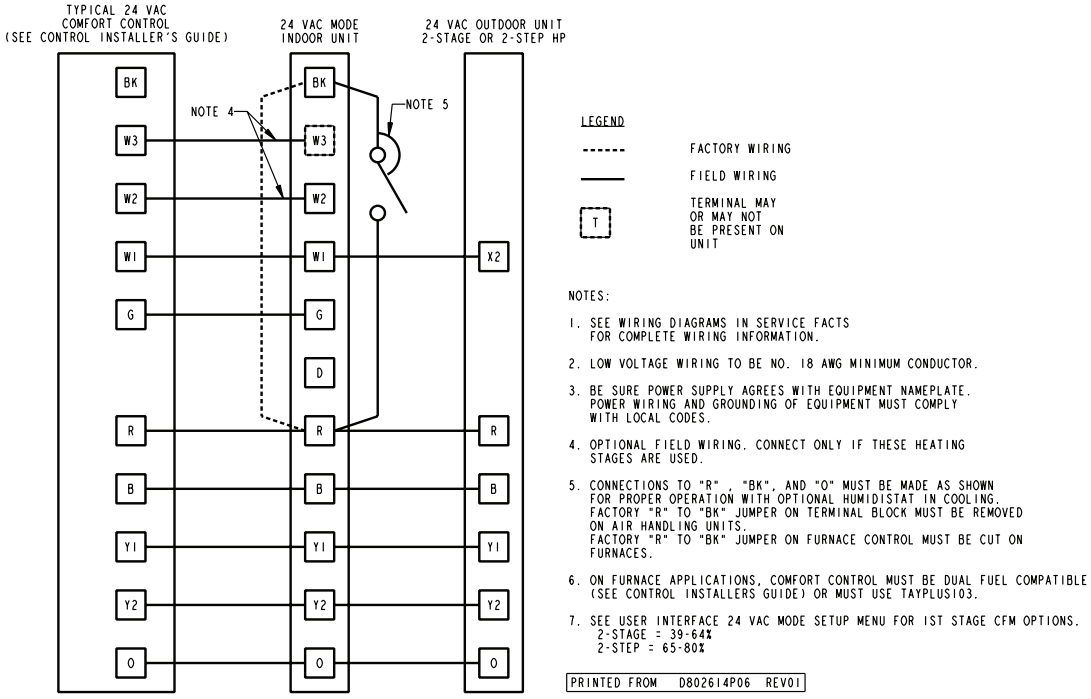
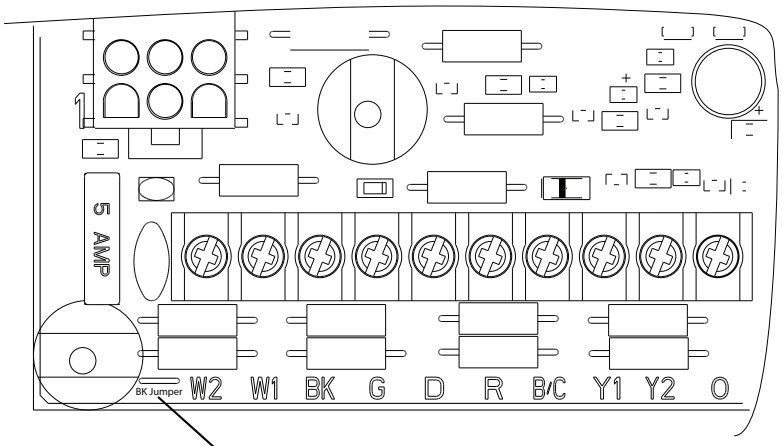


Figure 11. Humidistat hookup - 24 V mode only



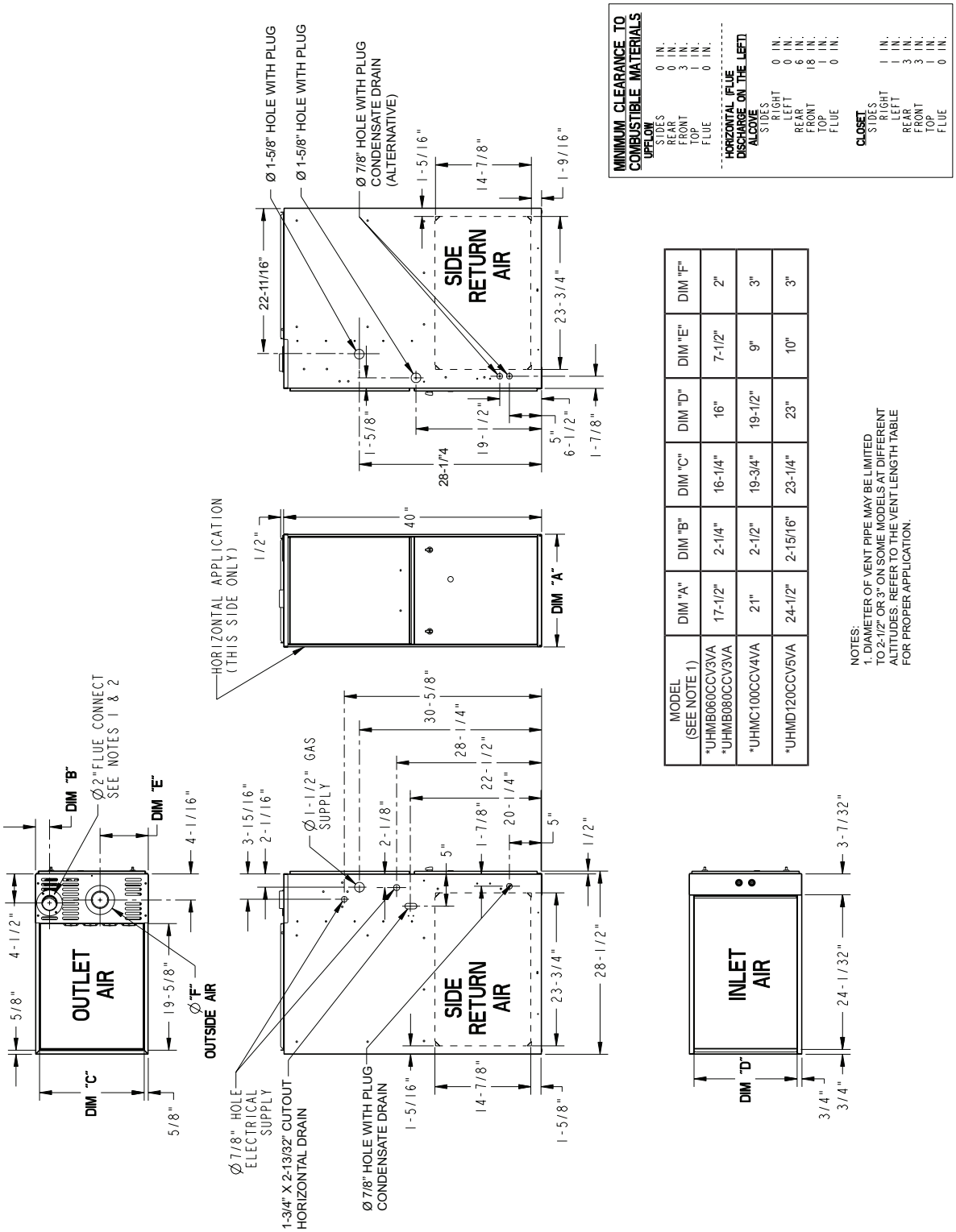
The factory installed jumper between "R" and "BK" on the circuit board must be cut if an optional humidistat is installed.

HUMIDISTAT HOOKUP - 24 V ONLY

If an optional humidistat for humidity control in cooling is used, the factory installed "BK Jumper" must be cut. The BK Jumper must also be cut if a multi-zone controller is connected to *CONT402 is installed and using the BK enabled feature. See the 24 Vac field wiring diagrams for more information.

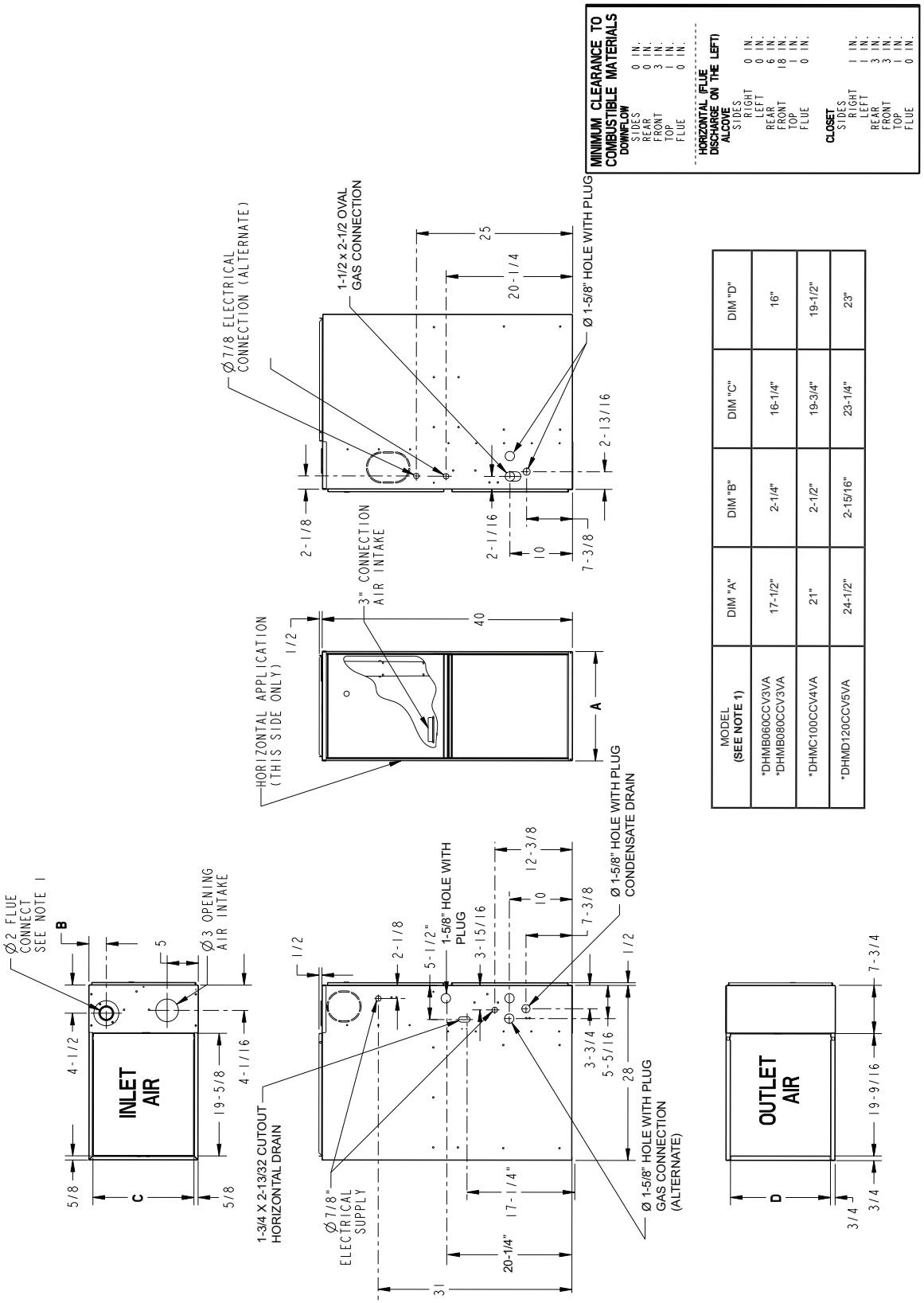
Dimensional Data

Figure 12. TUHM —CCV (all dimensions are in inches)



MODEL (SEE NOTE 1)	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"
*UHMB060CCV3VA *UHMB080CCV3VA	17-1/2"	2-1/4"	16-1/4"	16"	7-1/2"	2"
*UHMC100CCV4VA	21"	2-1/2"	19-3/4"	19-1/2"	9"	3"
*UHMD120CCV5VA	24-1/2"	2-15/16"	23-1/4"	23"	10"	3"

Figure 13. TDHM — CCV downflow / horizontal (all dimensions are in inches)



MODEL (SEE NOTE 1)	DIM "A"	DIM "B"	DIM "C"	DIM "D"
*DHMB060CCV3VA *DHMB080CCV3VA	17-1/2"	2-1/4"	16-1/4"	16"
*DHMC100CCV4VA	21"	2-1/2"	19-3/4"	19-1/2"
*DHMD120CCV5VA	24-1/2"	2-15/16"	23-1/4"	23"

Notes

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 data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

FNR-PSD013A-EN 23 May 2025
Supersedes (New)