Product Catalog

Trane Rental Services

Packaged DX Air Conditioning



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Introduction

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Revision History

- Updated Model: RSDX0025F7AA-AF section in the Voyager™ with Electric Heat chapter.
- Added Model: RSDX0025F7AG+ section in the Voyager™ with Electric Heat chapter.

Table of Contents

Overview 4

Application Considerations 5

- Ventilation 5
- Controls 5
- Dehumidification/Reheat 5
- Modulating Hot Gas Reheat 6
- Flexible Rental Duct 6
- Additional Considerations 6

Quick Equipment Overview 7

Voyager™ with Electric Heat 8

- Model: CSDX0025F3 8
- Model: CSDX0025F4DE-EB 13
- Model: CSDX0025F4ED-GL 18
- Model: CSDX0025F5 23
- Model: RSDX0025F7AA-AF 28
- Model: RSDX0025F7AG+ 33
- Model: CSDX0035F0 37
- Model: CSDX0035F6 43
- Model: RSDX0035F6AB-AF 49
- Model: CSDX0050F0 54
- Model: CSDX0050F4 59
- Model: CSDX0050F6 64
- Model: RSDX0050F6AA-AJ 70
- Model: CSHX0035F3 75
- Model: CSHX0035F4 80
- Model: RSHX0035F4AA-AO 85
- Model: CSHX0050F3 90
- Model: CSHX0050F4 95
- Model: RSHX0050F4AA-AJ 100
- Model: RSHX0080 105

Overview

This catalog should be only be used as a reference for Trane Rental Services Voyager™ air conditioners to determine size limitations, available power, or lifting requirements. Verify the following with Trane Rental Services:

- Dimensions/weights and control options for the specific rental unit before equipment is shipped to a job site.
- Confirm adequate power is available for each Voyager unit.
- If additional information is required, reference the product catalog and/or installation manual.

Contact Trane Rental Services 24/7 for availability of all equipment (including: flex duct, electrical cable, transformers, etc.) prior to obtaining a purchase order from the customer. Equipment is available on a first come, first-served basis, and can be reserved for three days with a signed Rental Agreement.

Application Considerations

Ventilation

Economizing

Most standard units (CSDX) are equipped with a 0 to 100 percent dry bulb controlled economizer (see “Quick Equipment Overview,” p. 7). A return duct inlet must be left open and a manual damper should be used when introducing fresh air to a machine without an economizer.

100% Outside Air

- Standard units (CSDX) nominally operate to the standard 400 cfm/ton, and can only achieve a 15°F to 25°F temperature differential across the coil, while maintaining a usable external static pressure.
- When the outdoor ambient temperature is high, units cannot provide the discharge air temperatures required to maintain a space at comfortable temperatures.
- High static units (CSHX and RSHX) are nominally designed to provide 200 cfm/ton at a much higher external static pressure.
- They are able to achieve 25°F to 35°F temperature differential across the cooling coil (dependent on latent load).
- This makes them more suitable to maintain typical space temperatures at a relatively high ambient temperature.

Controls

Setpoint

Adjust the CSDX and CSHX setpoint using the unit mounted return air sensor or the provided remote sensor included with a 50 foot lead wire.

Adjust the RSHX0080 setpoint using the unit mounted return air sensor or the supply air sensor with an onboard PLC control.

Another option is to use a remote wireless thermostat. Place this inside the space, up to 100 feet away from the unit.

Communications

If BACnet® or LonTalk® is required on *SDX and *SHX units, contact Trane Rental Services.

RSHX0080 units do not include a remote communications option and are local control only.

Airflow

- 25 ton F3 and F5 units do not have a VFD or an electronic method to modulate cfm.
- 25 ton F4 and F7 feature VFD for VAV/static pressure reset applications.
- 35 to 50 tons F0-F6 feature a VFD for VAV/static pressure reset applications.
- The default static pressure setpoint programmed into the VFD corresponds to the pressure differential between fan discharge pressure and atmospheric pressure.

  Note: *Trane Rental Services models are configured as constant volume with fan speed adjustment performed with an on-board setpoint. If VAV mode is required, contact Trane Rental Services.*
- 35 to 50 tons high static units are not suitable for VAV/static reset or to achieve a wide variety of airflows. If a cfm setpoint is programmed, the fan speed will modulate to maintain that cfm, regardless of static pressure. Only the cfm setting can be changed.

Dehumidification/Reheat

All rental packaged units can operate in electric reheat mode (except CSDX0025F5, RSDX0035F6 and RSDX0050F6) see “Quick Equipment Overview,” p. 7. This operating mode includes compressors, fans, and a portion of the electric heat in the unit. This allows the cooling coil to continue condensing moisture out of the supply air, while reheating it to minimize the amount of overcooling of the conditioned space.

Modulating Hot Gas Reheat

- 35 and 50 tons F6 DX units include hot gas reheat.
- The colder the air, the less moisture it contains. With hot gas reheat, hot refrigerant gas leaving the compressor is diverted to a hot gas reheat coil. The cold air leaving the DX coil is reheated to an acceptable temperature and returned as dehumidified air to the facility space.
- Modulating hot gas reheat helps maintain both temperature and humidity levels in cooling mode, while reducing unit operating costs and saving energy.
- Standard modulating hot gas reheat requires a call for cooling to initiate. If there is no call for cooling, and a need for dehumidification, use another electric reheat.

Flexible Rental Duct

Rental duct is not insulated and can gain/lose heat along duct path. When planning the job, consider the length and path of flexible duct. For high static units, excess duct lengths across hot blacktops or roofing can have a negative impact on cooling ability.

The recommended maximum duct lengths for units do not take into consideration existing duct systems.

If connecting flex duct to customer duct for additional distribution, consider the specified static pressure needed to push air through. Add this to the friction losses through the flexible duct to determine the total amount of external static pressure required.

Important: *If running return ducts on a high static unit, rental duct is collapsible and may cinch closed if put under high enough negative pressure.*

If collapsing return duct occurs, see the following options:

- Straighten the duct path by pulling duct taut and secure with wire or twine with provided nylon tabs and grommets.
- For turns, consider using hard elbows (not provided).
- Introduce fresh air to reduce the negative pressure in the return section of the unit.

Additional Considerations

For additional information and specific unit considerations, contact Trane Rental Services.

Quick Equipment Overview

See table below for equipment overview.

Table 1. Equipment overview

	Heat Size and Type	Electric Re-heat	Hot Gas Reheat	Economizer (0 to 100% Dry Bulb Control)	VFD with VAV Operation	VFD with Constant Volume Operation	Zone Temperature Input Selector
CSDX0025F3	54 kW - Electric	Yes	No	Yes	No	No	Yes
CSDX0025F4	72 kW - Electric	Yes	No	No	Yes	Yes	Yes
CSDX0025F5	200 MBH - Gas	No	No	No	No	No	Yes
RSDX0025F7	72 kW - Electric	Yes	No	No	Yes	Yes	Yes
CSDX0035F0	90 kW - Electric	Yes	No	Yes	Yes	No	No
CSDX0035F6	90 kW - Electric	Yes	Yes	Yes	Yes	Yes	Yes
RSDX0035F6	90 kW - Electric	No	Yes	Yes	Yes	Yes	Yes
CSDX0050F0	108 kW - Electric	Yes	No	Yes	Yes	No	No
CSDX0050F4	108 kW - Electric	Yes	No	Yes	Yes	Yes	Yes
CSDX0050F6	108 kW - Electric	Yes	Yes	Yes	Yes	Yes	Yes
RSDX0050F6	108 kW - Electric	No	Yes	Yes	No	Yes	No
CSHX0035F3	90 kW - Electric	Yes	No	No	No	Yes	Yes
CSHX0035F4	90 kW - Electric	Yes	No	Yes	No	Yes	No
RSHX0035F4	90 kW - Electric	Yes	No	Yes	No	Yes	Yes
CSHX0050F3	108 kW - Electric	Yes	No	No	No	Yes	No
CSHX0050F4	108 kW - Electric	Yes	No	Yes	No	Yes	Yes
RSHX0050F4	108 kW - Electric	Yes	No	Yes	No	Yes	Yes
RSHX0080F0	162 kW - Electric	Yes	No	No	No	Yes	Yes

Voyager™ with Electric Heat

Model: CSDX0025F3

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Constant Volume Fan with Field Adjustable Sheave
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Two Stage Cooling and Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 2. General data – CSDX0025F3

Lables	Value
Nominal Cooling Tons[a]	25
Heating Capacity	54 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 3. Electrical data – circuit breaker style disconnect - CSDX0025F3

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Connections or Hardwire (Maximum 350 MCM)
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	101 A
Maximum Overcurrent Protection (MOP)	125 A
Cooling Only FLA	54 A
Heating Only FLA	78.9 A
Electric Reheat (27 kW Electric Heat + All Cooling) FLA	87.9 A

Table 4. Airflow data – CSDX0025F3

Lables	Value
Supply Motor	7.5 HP
Nominal CFM	10,000
Minimum/Maximum CFM	7,000 – 11,000
Maximum ESP at Nominal CFM	0.75 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-7 Throwaway Filter Qty/Size	(6) 20 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	175 ft.
Maximum Supply/Return Duct Run at Maximum CFM	50 ft.

Table 5. Dimensions and weights – CSDX0025F3

Lables	Value
Length	14 ft. 8.4 in.
Width	8 ft. 6 in.
Height	5 ft. 10 in.
Shipping Weight	4,700 lbs
Fork Pocket Dimensions	9.25 in. x 5.25 in. x 8 ft.
Center to Center Distance of Fork Pockets	63.25 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see *Packaged Rooftop Air Conditioners Voyager™ – Electric/Electric Installation, Operation, and Maintenance* (RT-SVX25*-EN).

Table 6. Operating clearances – CSDX0025F3

Lables	Value
Condenser Coil End	4 ft. 0 in.
Economizer End (if equipped)	5 ft. 8 in.
Front (Control Panel)	5 ft. 0 in.
Back (Supply/Return Duct Connections)	3 ft. 0 in.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Table 7. External static pressure – CSDX0025F3

External Static Pressure (in H_2O)																
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4		ESP Subtraction (in H_2O)
CFM															CFM	54 kW Heat
7000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7000	0.10
7500	—	—	—	—	—	—	—	—	—	—	—	—	—	892	7500	0.11
8000	—	—	—	—	—	—	—	—	—	—	—	—	891	911	8000	0.13
8500	—	—	—	—	—	—	—	—	—	—	—	895	913	932	8500	0.14
9000	—	—	—	—	—	—	—	—	—	887	904	921	938	955	9000	0.15
9500	—	—	—	—	—	—	—	882	889	915	932	949	965	981	9500	0.16
10000	—	—	—	—	—	—	896	912	929	945	—	—	—	—	10000	0.18
10500	—	—	—	—	891	908	—	—	—	—	—	—	—	—	10500	0.19
11000	—	—	885	—	—	—	—	—	—	—	—	—	—	—	11000	0.22

Notes:
1. Assumes 2-inch MERV 7 filters (factory provided).
2. Subtract 0.01 inch from ESPs if using 2-inch MERV 13 filters (customer provided).

Table 8. Fan data – CSDX0025F3

	Turns Open					
Sheave Adjustment	6	5	4	3	2	1
Fan RPM	806	844	882	920	958	994

Table 9. Gross cooling capacities – CSDX0025F3

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		85						95						105					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	257.6	212.0	289.0	165.3	317.0	114.6	245.8	206.4	274.9	159.4	299.4	108.2	233.1	200.6	259.5	153.1	279.6	101.1
	80	257.0	250.5	288.9	204.5	317.1	154.5	245.3	244.2	272.1	198.7	299.5	148.1	232.7	232.3	259.5	192.4	279.8	141.0
	85	259.2	259.1	288.8	243.6	317.2	194.2	249.7	249.7	274.6	237.7	299.7	187.7	239.4	239.4	259.2	231.3	280.1	180.7
	90	273.4	273.4	287.9	282.0	317.2	233.5	263.5	263.5	274.1	273.6	299.8	227.1	252.3	252.3	258.7	258.4	280.4	220.2
8000	75	264.4	228.7	295.5	175.0	321.8	116.8	251.7	223.0	280.5	168.9	302.9	110.1	238.0	216.8	264.2	162.4	281.8	102.7
	80	263.5	262.1	295.4	219.8	322.0	162.4	250.9	250.6	280.4	213.7	303.1	155.7	237.6	237.4	264.1	207.3	282.0	148.3
	85	270.1	270.1	295.0	264.3	322.1	207.6	250.9	250.9	279.9	258.2	303.4	201.0	248.6	248.6	263.6	251.6	282.5	193.7
	90	285.1	285.1	292.4	293.7	322.2	252.7	274.1	274.1	279.3	279.0	303.6	246.1	261.6	261.6	263.6	263.4	282.7	238.7
9000	75	269.4	245.0	300.5	184.4	325.2	118.8	256.0	239.1	284.8	178.2	305.1	111.8	241.7	232.8	267.6	171.5	284.3	104.8
	80	268.4	266.9	300.4	234.8	325.4	170.0	255.7	255.5	284.7	228.6	305.4	163.1	242.3	242.1	267.6	222.1	284.5	156.0
	85	279.4	279.4	299.7	284.7	325.7	221.0	268.4	268.4	283.9	278.5	305.9	214.1	256.1	256.1	267.0	266.2	284.7	206.9
	90	294.7	294.7	299.1	298.8	325.8	271.6	282.6	282.6	284.2	282.0	306.1	264.8	268.8	268.8	269.0	269.0	284.4	257.6
10000	75	273.3	261.1	304.4	193.6	327.7	120.8	259.5	255.0	288.0	187.3	307.8	114.0	244.7	244.0	270.1	180.4	286.4	106.9
	80	273.1	272.9	304.3	249.8	328.0	177.7	260.3	260.3	288.1	243.4	307.8	170.8	248.3	248.3	270.2	236.5	286.7	163.8
	85	287.3	287.3	303.3	302.5	328.3	234.3	275.4	275.4	287.0	286.2	307.9	227.3	262.1	262.1	269.1	268.5	286.9	220.4
	90	302.6	302.6	303.8	303.5	328.2	290.4	289.5	289.5	289.7	289.7	307.7	283.6	274.4	274.4	274.5	274.5	286.4	276.4
11000	75	276.5	275.7	307.6	202.8	330.2	122.9	262.3	261.6	290.6	196.3	310.1	116.2	247.0	246.2	272.1	189.3	288.1	109.1
	80	277.6	277.6	307.6	264.5	330.3	185.5	266.1	266.1	290.6	258.0	310.3	178.8	253.4	253.4	272.0	251.0	288.4	171.5
	85	293.9	293.9	306.1	305.3	331.2	247.7	281.3	281.3	289.1	288.4	310.4	241.0	267.1	267.1	270.8	270.4	288.6	233.8
	90	309.2	309.2	309.4	309.4	330.3	309.3	295.0	295.0	295.2	295.2	309.5	302.3	278.5	278.5	278.7	278.7	288.1	286.9
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		115						120						125					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	219.7	194.5	243.0	146.4	258.2	93.6	212.8	191.4	234.3	143.0	247.2	89.8	—	—	—	—	236.0	85.9
	80	219.4	219.2	243.0	185.7	258.2	133.4	212.8	212.5	234.3	182.3	247.5	129.7	—	—	—	—	236.2	125.8
	85	228.2	228.2	242.7	224.7	258.5	173.0	222.2	222.2	234.1	221.2	247.8	169.3	—	—	—	—	236.6	165.5
	90	239.8	239.8	242.5	242.2	258.7	212.5	233.0	233.0	234.1	233.9	247.9	208.7	—	—	—	—	233.8	204.9
8000	75	223.7	209.8	246.5	155.4	260.3	95.4	216.5	207.3	237.3	151.9	244.8	91.5	—	—	227.8	148.2	236.9	87.5
	80	224.1	224.0	246.6	200.4	260.5	140.9	217.8	217.8	237.4	196.8	249.1	137.1	—	—	228.0	193.2	237.3	133.1
	85	236.1	236.1	246.2	243.9	260.9	186.2	229.4	229.4	237.1	236.4	249.6	182.4	—	—	227.6	227.1	238.0	178.6
	90	247.4	247.4	247.6	247.6	260.9	231.2	239.5	239.5	239.7	239.7	249.6	227.3	—	—	231.1	231.1	238.0	223.4
9000	75	226.8	221.7	249.1	164.3	257.8	96.3	214.5	213.9	234.7	159.8	245.1	92.1	—	—	229.5	156.9	—	—
	80	230.0	227.3	249.1	214.9	258.8	148.2	220.4	220.4	234.8	210.7	246.2	144.0	—	—	229.6	207.4	—	—
	85	242.4	239.8	248.5	248.1	259.6	199.7	231.9	231.9	234.3	233.9	247.0	195.5	—	—	229.1	228.7	—	—
	90	252.9	251.0	253.0	253.0	259.8	250.6	241.7	241.7	241.8	241.8	247.3	245.5	—	—	233.9	233.9	—	—
10000	75	229.3	223.8	251.0	173.2	263.2	99.2	221.2	220.7	241.0	169.4	250.7	95.1	213.2	212.8	230.8	165.7	—	—
	80	235.2	232.2	250.9	229.1	263.6	156.2	228.2	228.2	240.9	225.5	251.4	152.2	220.9	220.9	230.7	221.7	—	—
	85	247.3	244.8	250.1	249.6	263.9	212.8	239.1	239.1	240.3	240.0	251.7	208.6	230.3	230.3	230.4	230.4	—	—
	90	256.6	255.0	256.7	256.7	263.7	262.7	246.2	246.2	246.3	246.3	251.6	250.6	236.1	236.1	236.2	236.2	—	—
11000	75	230.8	230.4	252.4	182.0	264.0	101.1	222.7	222.3	242.1	178.2	251.2	97.0	214.6	214.1	—	—	—	—
	80	239.4	239.4	252.2	243.6	264.7	163.8	232.0	232.0	242.0	238.9	252.1	159.2	224.1	224.1	—	—	—	—
	85	251.0	251.0	251.7	251.3	264.9	226.1	242.1	242.1	242.2	242.2	252.4	222.0	232.5	232.5	—	—	—	—
	90	258.7	258.7	258.8	258.8	264.9	263.8	248.7	248.7	248.8	248.8	252.1	251.4	237.7	237.7	—	—	—	—

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. MBh = Total Gross Capacity.
3. SHC = Sensible Heat Capacity.

Table 10. Electric heating performance – CSDX0025F3

CFM	Temp Rise (°F)
7000	24.0
8000	21.0
9000	19.0

Table 10. Electric heating performance – CSDX0025F3 (continued)

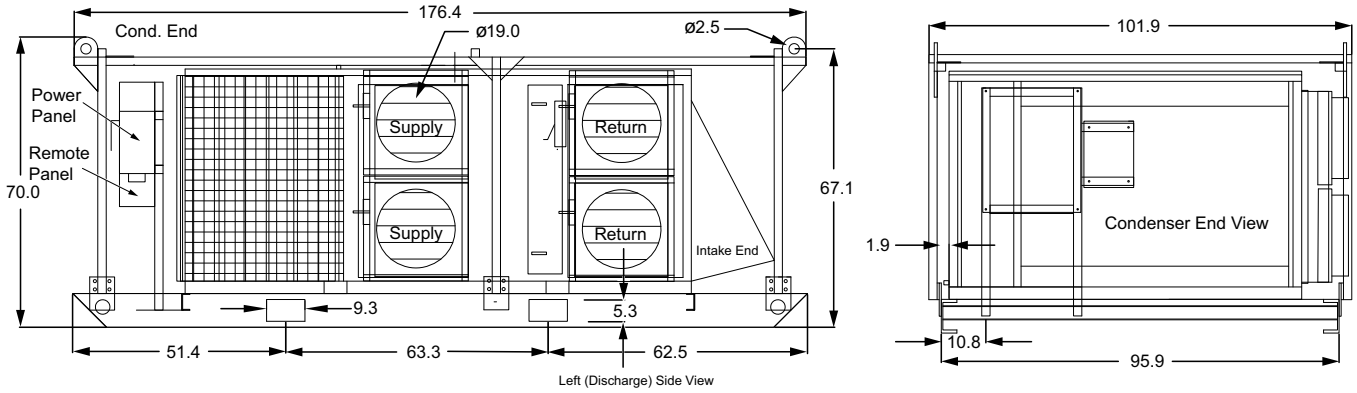
CFM	Temp Rise (°F)
10000	17.0
11000	15.5

Table 11. Sound data – CSDX0025F3

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	95	88	79	80	80	80	80	74
Ducted Inlet (dB)	93	84	79	70	70	71	71	67
Outdoor Noise (dB)	102	89	93	94	92	87	83	75

Unit Drawings

Figure 1. CSDX0025F3 unit dimensions



Model: CSDX0025F4DE-EB

Features

- Hot Gas Bypass
- Incoming/Outgoing Power Daisy Chain Capable
- Phase and Under/Over Voltage Protection
- ReliaTel™ Trane Controls
- Hinged Service Access
- Electric Heat with Reheat Option
- Series 16 Cam Type Electrical Connections
- Low Ambient Down to 0°F
- Two Stage Cooling and Heating
- Unit Mounted Thermostat with Remote Option
- Blower VFD with across the Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Trane BACnet® Control Interface RS-485 MS/TP (Remote Monitoring Available Upon Request)
- Clogged Filter Switch

Table 12. General data – CSDX0025F4DE-EB

Lables	Value
Nominal Cooling Tons[a]	25
Heating Capacity	54 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 13. Electrical data – circuit breaker style disconnect – CSDX0025F4DE-EB

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	110.9 A
Maximum Overcurrent Protection (MOP)	125 A
Cooling Only FLA	48.9 A
Heating Only FLA	101.5 A
Electric Reheat (36 kW Electric Heat + All Cooling) FLA	94.1 A

Table 14. Airflow data – CSDX0025F4DE-EB

Lables	Value
Supply Motor	7.5 HP
Nominal CFM	10,000

Table 14. Airflow data – CSDX0025F4DE-EB (continued)

Lables	Value
Minimum/Maximum CFM	7,000 – 11,000
Maximum ESP at Nominal CFM	1.25 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-7 Throwaway Filter Qty/Size	(8) 20 in. x 25 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	350 ft.
Maximum Supply/Return Duct Run at Maximum CFM	75 ft.

Table 15. Dimensions and weights – CSDX0025F4DE-EB

Lables	Value
Length	10 ft. 11.5 in.
Width	7 ft. 11.625 in.
Height	5 ft. 4.125 in.
Shipping Weight	3,790 lbs
Fork Pocket Dimensions	7.625 in. x 2.625 in.
Center to Center Distance of Fork Pockets	32 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see *Packaged Rooftop Air Conditioners Voyager™ – Electric/Electric Installation, Operation, and Maintenance* (RT-SVX25*-EN).

Table 16. Operating clearances – CSDX0025F4DE-EB

Lables	Value
Ends	4 ft.
Front (Control Panel)	5 ft.
Back (Supply/Return Duct Connections)	3 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 2. Fan curve – CSDX0025F4DE-EB

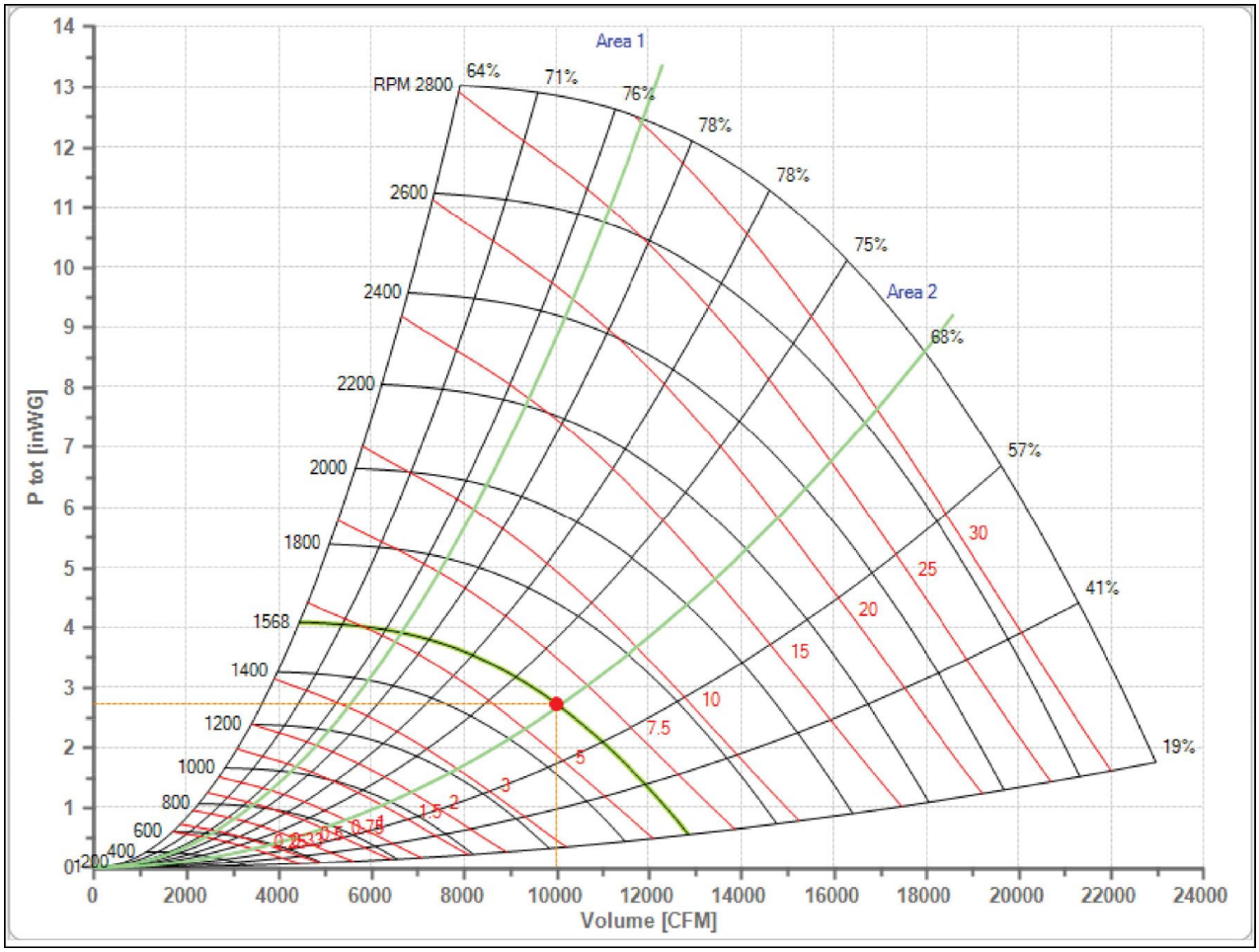


Table 17. Gross cooling capacities – CSDX0025F4DE-EB

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		85						95						105					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	257.6	212.0	289.0	165.3	317.0	114.6	245.8	206.4	274.9	159.4	299.4	108.2	233.1	200.6	259.5	153.1	279.6	101.1
	80	257.0	250.5	288.9	204.5	317.1	154.5	245.3	244.2	272.1	198.7	299.5	148.1	232.7	232.3	259.5	192.4	279.8	141.0
	85	259.2	259.1	288.8	243.6	317.2	194.2	249.7	249.7	274.6	237.7	299.7	187.7	239.4	239.4	259.2	231.3	280.1	180.7
	90	273.4	273.4	287.9	282.0	317.2	233.5	263.5	263.5	274.1	273.6	299.8	227.1	252.3	252.3	258.7	258.4	280.4	220.2
8000	75	264.4	228.7	295.5	175.0	321.8	116.8	251.7	223.0	280.5	168.9	302.9	110.1	238.0	216.8	264.2	162.4	281.8	102.7
	80	263.5	262.1	295.4	219.8	322.0	162.4	250.9	250.6	280.4	213.7	303.1	155.7	237.6	237.4	264.1	207.3	282.0	148.3
	85	270.1	270.1	295.0	264.3	322.1	207.6	250.9	250.9	279.9	258.2	303.4	201.0	248.6	248.6	263.6	251.6	282.5	193.7
	90	285.1	285.1	292.4	293.7	322.2	252.7	274.1	274.1	279.3	279.0	303.6	246.1	261.6	261.6	263.6	263.4	282.7	238.7
9000	75	269.4	245.0	300.5	184.4	325.2	118.8	256.0	239.1	284.8	178.2	305.1	111.8	241.7	232.8	267.6	171.5	284.3	104.8
	80	268.4	266.9	300.4	234.8	325.4	170.0	255.7	255.5	284.7	228.6	305.4	163.1	242.3	242.1	267.6	222.1	284.5	156.0
	85	279.4	279.4	299.7	284.7	325.7	221.0	268.4	268.4	283.9	278.5	305.9	214.1	256.1	256.1	267.0	266.2	284.7	206.9
	90	294.7	294.7	299.1	298.8	325.8	271.6	282.6	282.6	284.2	282.0	306.1	264.8	268.8	268.8	269.0	269.0	284.4	257.6
10000	75	273.3	261.1	304.4	193.6	327.7	120.8	259.5	255.0	288.0	187.3	307.8	114.0	244.7	244.0	270.1	180.4	286.4	106.9
	80	273.1	272.9	304.3	249.8	328.0	177.7	260.3	260.3	288.1	243.4	307.8	170.8	248.3	248.3	270.2	236.5	286.7	163.8
	85	287.3	287.3	303.3	302.5	328.3	234.3	275.4	275.4	287.0	286.2	307.9	227.3	262.1	262.1	269.1	268.5	286.9	220.4
	90	302.6	302.6	303.8	303.5	328.2	290.4	289.5	289.5	289.7	289.7	307.7	283.6	274.4	274.4	274.5	274.5	286.4	276.4
11000	75	276.5	275.7	307.6	202.8	330.2	122.9	262.3	261.6	290.6	196.3	310.1	116.2	247.0	246.2	272.1	189.3	288.1	109.1
	80	277.6	277.6	307.6	264.5	330.3	185.5	266.1	266.1	290.6	258.0	310.3	178.8	253.4	253.4	272.0	251.0	288.4	171.5
	85	293.9	293.9	306.1	305.3	331.2	247.7	281.3	281.3	289.1	288.4	310.4	241.0	267.1	267.1	270.8	270.4	288.6	233.8
	90	309.2	309.2	309.4	309.4	330.3	309.3	295.0	295.0	295.2	295.2	309.5	302.3	278.5	278.5	278.7	278.7	288.1	286.9
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		115						120						125					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	219.7	194.5	243.0	146.4	258.2	93.6	212.8	191.4	234.3	143.0	247.2	89.8	—	—	—	—	236.0	85.9
	80	219.4	219.2	243.0	185.7	258.2	133.4	212.8	212.5	234.3	182.3	247.5	129.7	—	—	—	—	236.2	125.8
	85	228.2	228.2	242.7	224.7	258.5	173.0	222.2	222.2	234.1	221.2	247.8	169.3	—	—	—	—	236.6	165.5
	90	239.8	239.8	242.5	242.2	258.7	212.5	233.0	233.0	234.1	233.9	247.9	208.7	—	—	—	—	233.8	204.9
8000	75	223.7	209.8	246.5	155.4	260.3	95.4	216.5	207.3	237.3	151.9	244.8	91.5	—	—	227.8	148.2	236.9	87.5
	80	224.1	224.0	246.6	200.4	260.5	140.9	217.8	217.8	237.4	196.8	249.1	137.1	—	—	228.0	193.2	237.3	133.1
	85	236.1	236.1	246.2	243.9	260.9	186.2	229.4	229.4	237.1	236.4	249.6	182.4	—	—	227.6	227.1	238.0	178.6
	90	247.4	247.4	247.6	247.6	260.9	231.2	239.5	239.5	239.7	239.7	249.6	227.3	—	—	231.1	231.1	238.0	223.4
9000	75	226.8	221.7	249.1	164.3	257.8	96.3	214.5	213.9	234.7	159.8	245.1	92.1	—	—	229.5	156.9	—	—
	80	230.0	227.3	249.1	214.9	258.8	148.2	220.4	220.4	234.8	210.7	246.2	144.0	—	—	229.6	207.4	—	—
	85	242.4	239.8	248.5	248.1	259.6	199.7	231.9	231.9	234.3	233.9	247.0	195.5	—	—	229.1	228.7	—	—
	90	252.9	251.0	253.0	253.0	259.8	250.6	241.7	241.7	241.8	241.8	247.3	245.5	—	—	233.9	233.9	—	—
10000	75	229.3	223.8	251.0	173.2	263.2	99.2	221.2	220.7	241.0	169.4	250.7	95.1	213.2	212.8	230.8	165.7	—	—
	80	235.2	232.2	250.9	229.1	263.6	156.2	228.2	228.2	240.9	225.5	251.4	152.2	220.9	220.9	230.7	221.7	—	—
	85	247.3	244.8	250.1	249.6	263.9	212.8	239.1	239.1	240.3	240.0	251.7	208.6	230.3	230.3	230.4	230.4	—	—
	90	256.6	255.0	256.7	256.7	263.7	262.7	246.2	246.2	246.3	246.3	251.6	250.6	236.1	236.1	236.2	236.2	—	—
11000	75	230.8	230.4	252.4	182.0	264.0	101.1	222.7	222.3	242.1	178.2	251.2	97.0	214.6	214.1	—	—	—	—
	80	239.4	239.4	252.2	243.6	264.7	163.8	232.0	232.0	242.0	238.9	252.1	159.2	224.1	224.1	—	—	—	—
	85	251.0	251.0	251.7	251.3	264.9	226.1	242.1	242.1	242.2	242.2	252.4	222.0	232.5	232.5	—	—	—	—
	90	258.7	258.7	258.8	258.8	264.9	263.8	248.7	248.7	248.8	248.8	252.1	251.4	237.7	237.7	—	—	—	—

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. MBh = Total Gross Capacity.
3. SHC = Sensible Heat Capacity.

Table 18. Electric heating performance – CSDX0025F4DE-EB

CFM	Temp Rise (°F)
7000	32.4
8000	28.3
9000	25.2

Table 18. Electric heating performance – CSDX0025F4DE-EB (continued)

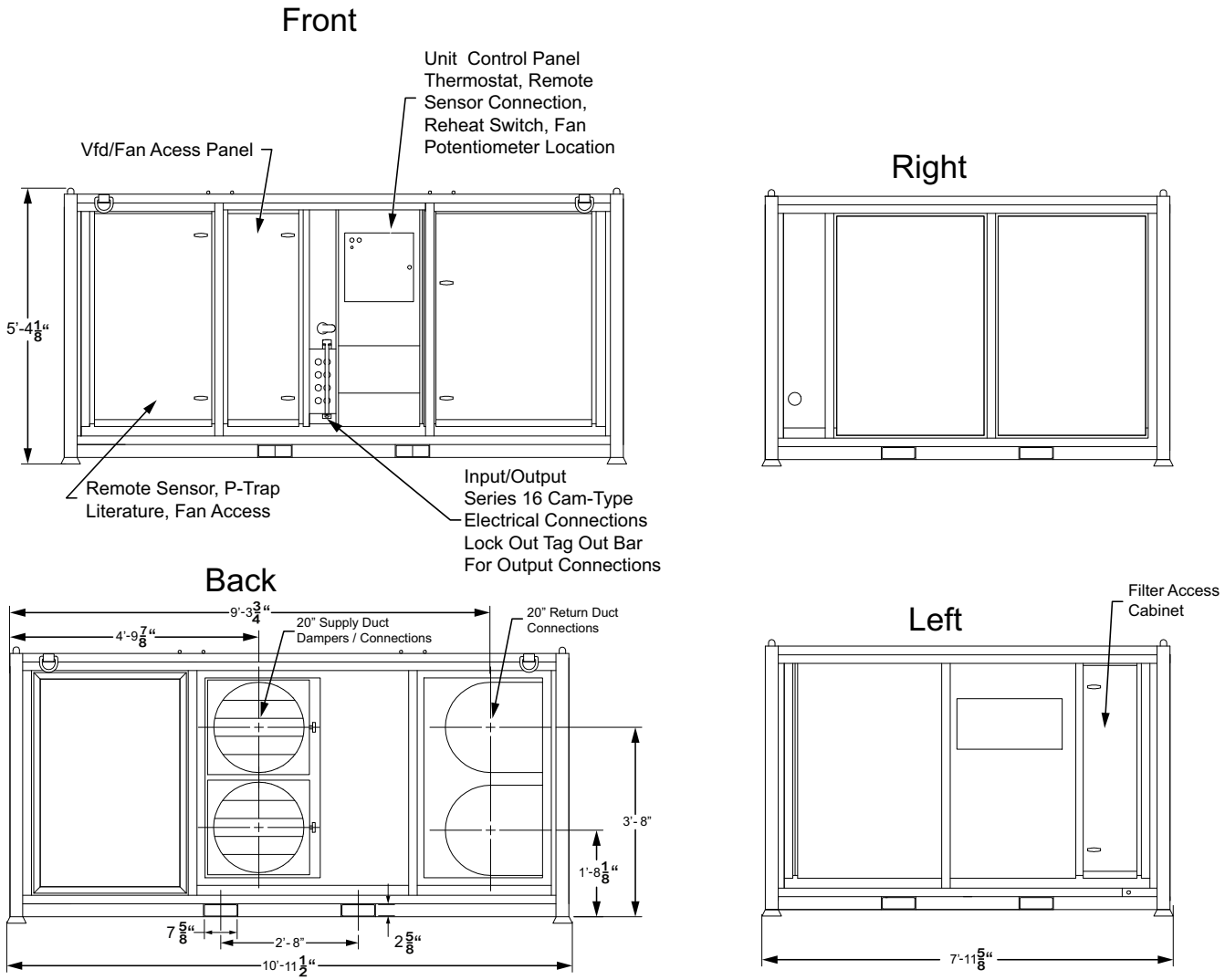
CFM	Temp Rise (°F)
10000	22.7
11000	20.6

Table 19. Sound data – CSDX0025F4DE-EB

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	94	88	78	80	79	79	79	74
Ducted Inlet (dB)	93	84	78	74	69	71	71	66
Outdoor Noise (dB)	102	89	93	94	92	87	83	75

Unit Drawings

Figure 3. CSDX0025F4DE-EB unit dimensions



Model: CSDX0025F4ED-GL

Features

- Hot Gas Bypass
- Series 16 Cam Type Electrical Connections
- Incoming/Outgoing Power Daisy Chain Capable
- Phase and Under/Over Voltage Protection
- ReliaTel™ Trane Controls
- Hinged Service Access
- Electric Heat with Reheat Option
- Low Ambient Down to 0°F
- Four Stage Cooling and Two Stage Heating
- Unit Mounted Thermostat with Remote Option
- Blower VFD with across the Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Trane BACnet® Control Interface RS-485 MS/TP (Remote Monitoring Available Upon Request)
- Clogged Filter Switch

Table 20. General data – CSDX0025F4ED-GL

Lables	Value
Nominal Cooling Tons[a]	25
Heating Capacity	72 kW
Refrigerant	R-410A
Refrigerant Charge(Ckt1/Ckt2)	11.8 lbs/10.6 lbs
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 21. Electrical data – circuit breaker style disconnect – CSDX0025F4ED-GL

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	111.8 A
Maximum Overcurrent Protection (MOP)	125 A
Cooling Only FLA	50.7 A
Heating Only FLA	101.4 A
Reheat (36 kW Electric Heat + All Cooling) FLA	95.9 A

Table 22. Airflow data – CSDX0025F4ED-GL

Lables	Value
Supply Motor	7.5 HP
Nominal CFM	10,000
Minimum/Maximum CFM	7,000 – 11,000
Maximum ESP at Nominal CFM	1.25 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-8 Throwaway Filter Qty/Size	(12) 20 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at 7000 CFM	650 ft.
Maximum Supply/Return Duct Run at 10,000 CFM	125 ft.

Table 23. Dimensions and weights – CSDX0025F4ED-GL

Lables	Value
Length	11 ft. 0.25 in.
Width	8 ft. 0.25 in.
Height	6 ft. 3.25 in.
Shipping Weight	3,700 lbs.
Fork Pocket Dimensions	7.625 in. x 3.625 in.
Center to Center Distance of Fork Pockets	32 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see *Packaged Rooftop Air Conditioners Voyager™ – Electric/Electric Installation, Operation, and Maintenance* (RT-SVX25*-EN).

Table 24. Operating clearances – CSDX0025F4ED-GL

Lables	Value
Sides	48 in.
Front (Control Panel)	60 in.
Back (Supply/Return)	18 in.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 4. Fan curve – CSDX0025F4ED-GL

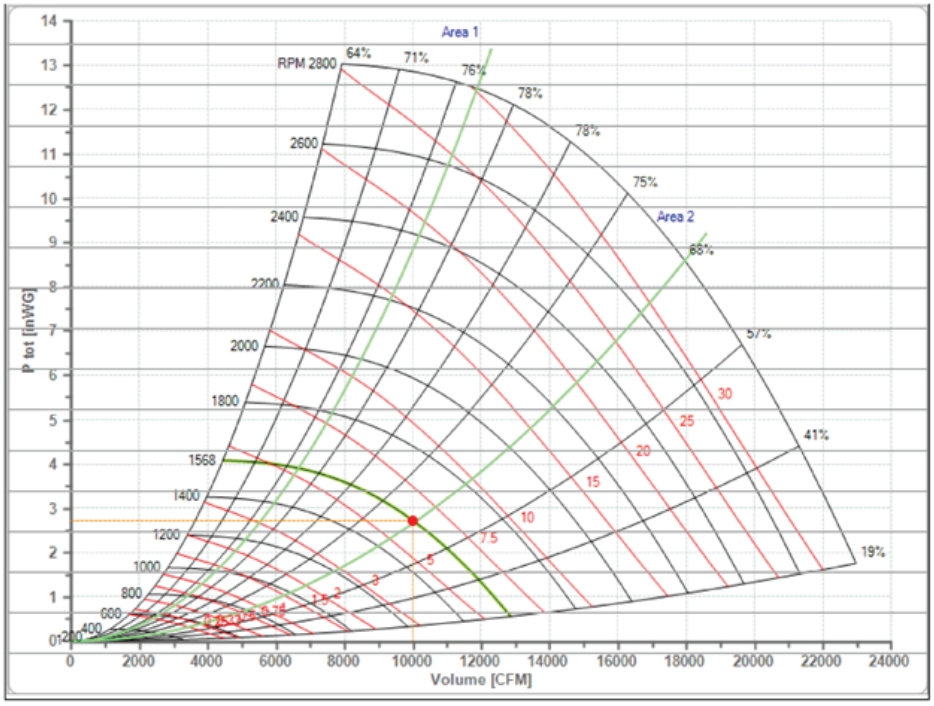


Table 25. Electric heating performance – CSDX0025F4ED-GL

CFM	Temp Rise (°F)
7000	32.4
8000	28.3
9000	25.2
10000	22.7
11000	20.6

Table 26. Sound data – CSDX0025F4ED-GL

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	94	88	78	80	79	79	79	74
Ducted Inlet (dB)	92	84	78	74	69	71	71	66
Outdoor Noise (dB)	102	89	93	94	92	87	83	75

Table 27. Gross cooling capacities – CSDX0025F4ED-GL

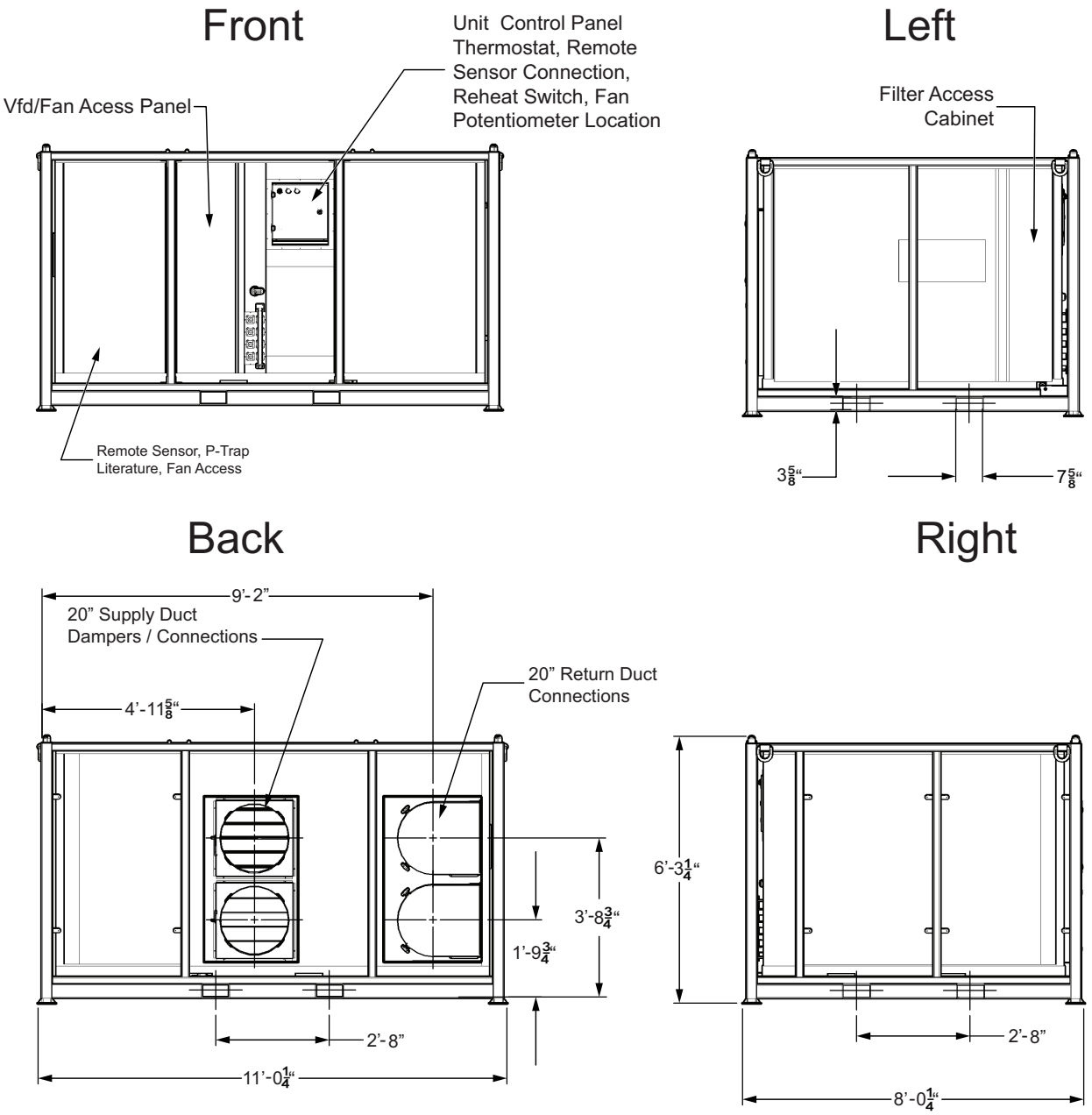
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		85						95						105					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	265.0	218.8	289.1	175.7	308.5	103.5	251.6	209.8	273.9	168.5	292.2	98.3	237.1	200.1	257.7	160.6	274.8	92.5
	80	272.6	243.7	290.1	213.7	312.6	162.9	259.1	233.6	275.1	205.1	296.2	156.0	244.6	222.8	259.1	195.8	278.8	148.4
	85	282.6	263.5	295.9	241.5	316.7	204.5	268.8	252.4	280.9	231.7	300.2	196.1	254.0	240.6	264.8	221.2	282.7	187.1
	90	293.9	279.9	304.6	263.0	320.8	234.9	279.7	268.1	289.2	252.2	304.2	225.4	264.4	255.6	272.9	240.8	286.7	215.3
8000	75	273.3	229.9	295.7	185.4	324.1	111.8	259.1	220.1	279.8	177.5	306.4	105.9	243.9	209.7	262.8	168.9	287.8	99.3
	80	281.8	255.9	298.0	224.7	324.2	172.6	267.6	245.0	282.2	215.4	306.7	165.0	252.3	233.5	265.5	205.3	288.3	156.6
	85	292.5	276.6	304.7	253.7	324.2	215.6	278.0	264.7	288.9	243.1	307.0	206.4	262.5	252.2	272.1	231.9	288.7	196.7
	90	304.5	293.8	314.1	276.0	329.2	247.0	289.5	281.2	298.1	264.5	311.9	236.8	273.5	268.0	281.0	252.4	293.6	225.9
9000	75	280.1	239.6	301.0	193.8	327.8	118.7	265.2	229.1	284.3	185.2	309.4	112.0	249.3	218.0	266.6	175.8	290.0	104.7
	80	289.6	266.7	304.4	234.4	329.1	181.0	274.7	255.1	288.0	224.3	310.9	172.6	258.7	242.8	270.5	213.5	291.7	163.6
	85	301.1	288.3	312.1	264.4	330.3	225.2	285.9	275.7	295.6	253.1	312.3	215.4	269.6	262.5	278.1	241.2	293.3	204.9
	90	313.7	306.3	322.3	287.7	336.3	257.8	297.9	293.0	305.5	275.5	318.3	246.8	281.2	279.0	287.7	262.6	299.2	235.1
10000	75	285.6	247.9	304.9	200.8	330.2	124.2	270.0	236.7	287.4	191.4	311.0	116.8	253.3	224.8	269.0	181.3	290.9	108.7
	80	296.1	276.1	309.5	242.7	332.6	188.0	280.4	263.8	292.3	231.9	313.7	178.9	263.6	250.7	274.1	220.3	293.7	169.1
	85	308.3	298.6	318.2	273.8	335.0	233.5	292.3	285.3	300.9	261.7	316.3	222.9	275.3	271.3	282.6	249.0	296.6	211.7
	90	321.4	317.4	329.1	298.0	342.0	267.1	305.0	303.3	311.6	285.0	323.2	255.4	287.5	287.5	293.0	271.4	303.4	243.0
11000	75	289.7	254.9	307.3	206.5	331.1	128.3	273.3	243.0	289.2	196.3	311.2	120.2	255.9	230.3	270.0	185.5	291.5	111.3
	80	301.1	284.2	313.2	249.6	334.7	193.7	284.7	271.1	295.2	238.0	315.1	183.8	267.2	257.3	276.3	225.8	294.4	173.2
	85	314.1	307.6	322.8	281.8	338.3	240.4	297.4	293.5	304.8	269.0	318.9	229.1	279.6	278.8	285.8	255.6	298.4	217.1
	90	327.9	327.1	334.5	306.9	346.3	275.1	310.7	310.7	316.3	293.2	326.8	262.7	292.5	292.5	297.0	278.8	306.2	249.5
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		115						120						125					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	221.7	189.7	240.4	152.0	256.4	85.9	213.6	184.3	231.5	147.5	246.8	82.4	205.2	178.7	222.2	142.8	237.0	78.7
	80	229.1	211.3	242.1	185.8	260.3	140.1	220.9	205.2	233.2	180.5	250.7	135.7	212.6	199.1	224.1	175.1	240.8	131.1
	85	238.2	228.2	247.7	210.1	264.2	177.4	229.9	221.7	238.8	204.3	254.6	172.3	221.4	215.1	229.6	198.2	244.7	167.0
	90	248.2	242.4	255.6	228.7	268.1	204.4	239.7	235.5	246.5	222.4	258.4	198.7	230.9	228.5	237.2	215.9	248.5	192.8
8000	75	227.7	198.6	244.9	159.6	268.2	92.0	219.2	192.8	235.5	154.6	258.0	88.1	210.5	186.8	225.9	149.6	247.5	84.0
	80	236.1	221.2	247.7	194.6	268.8	147.6	227.6	214.8	238.5	189.0	258.7	142.8	218.8	208.3	229.0	183.2	248.4	137.9
	85	245.9	239.0	254.3	220.0	269.5	186.2	237.3	232.2	245.0	213.8	259.5	180.8	228.4	225.2	235.5	207.4	249.2	175.1
	90	256.5	254.0	262.9	239.5	274.3	214.3	247.7	246.8	253.5	232.9	264.3	208.2	238.5	238.5	243.9	226.0	254.0	202.0
9000	75	232.4	206.1	247.9	165.7	269.7	96.6	223.5	200.0	238.2	160.5	259.1	92.4	214.4	193.6	228.2	155.0	248.3	87.9
	80	241.7	229.8	252.0	202.0	271.5	153.8	232.8	223.0	242.4	196.0	261.0	148.6	223.7	216.1	232.5	189.9	250.3	143.3
	85	252.3	248.5	259.5	228.5	273.4	193.7	243.3	241.3	249.9	221.9	263.0	187.8	234.1	233.9	240.0	215.2	252.4	181.8
	90	263.5	263.5	268.9	249.0	279.2	222.8	254.3	254.3	259.1	241.9	268.8	216.4	244.8	244.8	249.1	234.7	258.1	209.8
10000	75	235.6	212.3	249.6	170.5	269.8	99.9	226.4	205.7	239.5	164.9	260.5	95.3	217.0	199.0	229.2	159.1	249.2	90.5
	80	245.9	237.0	254.9	208.1	272.8	158.6	236.7	229.9	244.9	201.7	262.0	153.1	227.2	222.6	234.6	195.2	250.9	147.4
	85	257.3	256.6	263.3	235.7	275.9	199.7	247.9	247.9	253.3	228.7	265.1	193.5	238.3	238.3	243.1	221.6	254.1	187.1
	90	269.1	269.1	273.5	257.1	282.7	229.9	259.5	259.5	263.4	249.6	271.9	223.2	249.6	249.6	253.0	242.0	260.9	216.2
11000	75	237.5	217.0	249.9	174.0	271.0	101.8	228.0	210.1	240.5	167.9	261.3	96.8	218.1	203.0	229.8	161.7	252.3	91.6
	80	248.8	242.8	256.3	212.8	274.0	162.0	239.2	235.3	246.0	206.1	263.6	156.1	229.3	227.7	235.4	199.2	253.4	150.1
	85	260.9	260.9	265.8	241.4	277.0	204.4	251.2	251.2	255.4	234.1	265.9	197.9	241.2	241.2	244.8	226.6	254.5	191.1
	90	273.3	273.3	276.7	263.8	284.7	235.7	263.3	263.3	266.2	256.0	273.6	228.5	253.1	253.1	255.4	248.0	262.2	221.2

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. MBh = Total Gross Capacity.
3. SHC = Sensible Heat Capacity.

Unit Drawings

Figure 5. CSDX0025F4ED-GL unit dimensions



Model: CSDX0025F5

Features

- Incoming/Outgoing Power Daisy Chain Capable
- Constant Volume Fan with Field Adjustable Sheave
- Hinged Service Access
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Two Stage Cooling and Heating
- Low Ambient Operation Down to 0°F

Table 28. General data – CSDX0025F5

Lables	Value
Nominal Cooling Tons[a]	25
Heating Capacity (Input/Output)[b] [c]	250/200 Mbh
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.
[b] Gas Heat – Machine will come with factory fitted gas valve to orifice plate only. Trane does not provide any gas piping, fittings, regulators required to connect to machine. When gas heat is utilized, Trane start-up is required.
[c] Unit will ship from Trane ready to operate with Natural Gas. LP Kit available for field installation only. Unit must be returned to NG prior to returning the machine to TRS.

Table 29. Electrical data – circuit breaker style disconnect – CSDX0025F5

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	58.65 A
Maximum Overcurrent Protection (MOP)	70 A
Cooling Only FLA	54 A
Heating Only FLA	11.8 A

Table 30. Airflow data – CSDX0025F5

Lables	Value
Supply Motor	7.5 HP
Nominal CFM	10,000

Table 30. Airflow data – CSDX0025F5 (continued)

Lables	Value
Minimum/Maximum CFM	7,000 – 11,000
Maximum ESP at Nominal CFM	0.5 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-7 Throwaway Filter Qty/Size	(8) 20 in. x 25 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	175 ft.
Maximum Supply/Return Duct Run at at Maximum CFM	50 ft.

Table 31. Dimensions and weights – CSDX0025F5

Lables	Value
Length	10 ft. 11.5 in.
Width	8 ft. 0 in.
Height	5 ft. 1.25 in.
Shipping Weight	3,600 lbs
Fork Pocket Dimensions	7.625 in. x 2.625 in.
Center to Center Distance of Fork Pockets	32 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see Packaged Rooftop Air Conditioners Voyager™ – Cooling, Gas/Electric Installation, Operation, and Maintenance (RT-SVX26*-EN).

Table 32. Operating clearances – CSDX0025F5

Lables	Value
Ends	4 ft.
Front (Control Panel)	5 ft.
Back (Supply/Return Duct Connections)	3 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Table 33. External static pressure – CSDX0025F5

cfm	External Static Pressure (Inches of Water)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
											7.5-hp Standard Motor and Drive									
7000											694	3.19	716	3.38	738	3.58	760	3.79	783	4.01
7500									704	3.57	725	3.76	746	3.94	767	4.15	787	4.36	807	4.57
8000							716	3.99	737	4.19	757	4.39	777	4.59	797	4.8	816	5.02	835	5.24
8500			705	4.16	728	4.42	750	4.67	770	4.89	790	5.11	808	5.30	827	5.53	846	5.75	864	5.98
9000	717	4.63	740	4.86	763	5.14	785	5.43	804	5.66	823	5.89	841	6.12	859	6.34	877	6.57		
9500	752	5.38	777	5.68	799	5.97	818	6.23	838	6.50	856	6.76	874	7.00						
10000	791	6.27	814	6.56	834	6.86	854	7.16	872	7.43										
10500	828	7.23	850	7.55	869	7.80														
11000	867	8.33																		

cfm	External Static Pressure (Inches of Water)									
	1.10		1.20		1.30		1.40		1.50	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
	7.5-hp Standard Motor and Drive									
7000	805	4.24	827	4.74	849	4.69	869	4.91		
7500	828	4.82	850	5.06	871	5.31				
8000	853	5.46	873	5.72						
8500										
9000										
9500										
10000										
10500										
11000										

Notes:

1. Fan motor heat (MBh) = 3.15 x Fan bhp.
2. Data includes pressure drop due to standard filters and wet coils. No accessories or options are included in pressure drop data.
3. 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. Gross cooling capacities – CSDX0025F5

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		85						95						105					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	257.6	212	289	165.3	317	114.6	245.8	206.4	274.9	159.4	299.4	108.2	233.1	200.6	259.5	153.1	279.6	101.1
	80	257	250.5	288.9	204.5	317.1	154.5	245.3	244.2	272.1	198.7	299.5	148.1	232.7	232.3	259.5	192.4	279.8	141
	85	259.2	259.1	288.8	243.6	317.2	194.2	249.7	249.7	274.6	237.7	299.7	187.7	239.4	239.4	259.2	231.3	280.1	180.7
	90	273.4	273.4	287.9	282	317.2	233.5	263.5	263.5	274.1	273.6	299.8	227.1	252.3	252.3	258.7	258.4	280.4	220.2
8000	75	264.4	228.7	295.5	175	321.8	116.8	251.7	223	280.5	168.9	302.9	110.1	238	216.8	264.2	162.4	281.8	102.7
	80	263.5	262.1	295.4	219.8	322	162.4	250.9	250.6	280.4	213.7	303.1	155.7	237.6	237.4	264.1	207.3	282	148.3
	85	270.1	270.1	295	264.3	322.1	207.6	250.9	250.9	279.9	258.2	303.4	201	248.6	248.6	263.6	251.6	282.5	193.7
	90	285.1	285.1	292.4	293.7	322.2	252.7	274.1	274.1	279.3	279	303.6	246.1	261.6	261.6	263.6	263.4	282.7	238.7
9000	75	269.4	245	300.5	184.4	325.2	118.8	256	239.1	284.8	178.2	305.1	111.8	241.7	232.8	267.6	171.5	284.3	104.8
	80	268.4	266.9	300.4	234.8	325.4	170	255.7	255.5	284.7	228.6	305.4	163.1	242.3	242.1	267.6	222.1	284.5	156
	85	279.4	279.4	299.7	284.7	325.7	221	268.4	268.4	283.9	278.5	305.9	214.1	256.1	256.1	267	266.2	284.7	206.9
	90	294.7	294.7	299.1	298.8	325.8	271.6	282.6	282.6	284.2	282	306.1	264.8	268.8	268.8	269	269	284.4	257.6
10000	75	273.3	261.1	304.4	193.6	327.7	120.8	259.5	255	288	187.3	307.8	114	244.7	244	270.1	180.4	286.4	106.9
	80	273.1	272.9	304.3	249.8	328	177.7	260.3	260.3	288.1	243.4	307.8	170.8	248.3	248.3	270.2	236.5	286.7	163.8
	85	287.3	287.3	303.3	302.5	328.3	234.3	275.4	275.4	287	286.2	307.9	227.3	262.1	262.1	269.1	268.5	286.9	220.4
	90	302.6	302.6	303.8	303.5	328.2	290.4	289.5	289.5	289.7	289.7	307.7	283.6	274.4	274.4	274.5	274.5	286.4	276.4
11000	75	276.5	275.7	307.6	202.8	330.2	122.9	262.3	261.6	290.6	196.3	310.1	116.2	247	246.2	272.1	189.3	288.1	109.1
	80	277.6	277.6	307.6	264.5	330.3	185.5	266.1	266.1	290.6	258	310.3	178.8	253.4	253.4	272	251	288.4	171.5
	85	293.9	293.9	306.1	305.3	331.2	247.7	281.3	281.3	289.1	288.4	310.4	241	267.1	267.1	270.8	270.4	288.6	233.8
	90	309.2	309.2	309.4	309.4	330.3	309.3	295	295	295.2	295.2	309.5	302.3	278.5	278.5	278.7	278.7	288.1	286.9
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		115						120						125					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7000	75	219.7	194.5	243	146.4	258.2	93.6	212.8	191.4	234.3	143	247.2	89.8	—	—	—	—	236	85.9
	80	219.4	219.2	243	185.7	258.2	133.4	212.8	212.5	234.3	182.3	247.5	129.7	—	—	—	—	236.2	125.8
	85	228.2	228.2	242.7	224.7	258.5	173	222.2	222.2	234.1	221.2	247.8	169.3	—	—	—	—	236.6	165.5
	90	239.8	239.8	242.5	242.2	258.7	212.5	233	233	234.1	233.9	247.9	208.7	—	—	—	—	233.8	204.9
8000	75	223.7	209.8	246.5	155.4	260.3	95.4	216.5	207.3	237.3	151.9	244.8	91.5	—	—	227.8	148.2	236.9	87.5
	80	224.1	224	246.6	200.4	260.5	140.9	217.8	217.8	237.4	196.8	249.1	137.1	—	—	228	193.2	237.3	133.1
	85	236.1	236.1	246.2	243.9	260.9	186.2	229.4	229.4	237.1	236.4	249.6	182.4	—	—	227.6	227.1	238	178.6
	90	247.4	247.4	247.6	247.6	260.9	231.2	239.5	239.5	239.7	239.7	249.6	227.3	—	—	231.1	231.1	238	223.4
9000	75	226.8	221.7	249.1	164.3	257.8	96.3	214.5	213.9	234.7	159.8	245.1	92.1	—	—	229.5	156.9	—	—
	80	230	227.3	249.1	214.9	258.8	148.2	220.4	220.4	234.8	210.7	246.2	144	—	—	229.6	207.4	—	—
	85	242.4	239.8	248.5	248.1	259.6	199.7	231.9	231.9	234.3	233.9	247	195.5	—	—	229.1	228.7	—	—
	90	252.9	251	253	253	259.8	250.6	241.7	241.7	241.8	241.8	247.3	245.5	—	—	233.9	233.9	—	—
10000	75	229.3	223.8	251	173.2	263.2	99.2	221.2	220.7	241	169.4	250.7	95.1	213.2	212.8	230.8	165.7	—	—
	80	235.2	232.2	250.9	229.1	263.6	156.2	228.2	228.2	240.9	225.5	251.4	152.2	220.9	220.9	230.7	221.7	—	—
	85	247.3	244.8	250.1	249.6	263.9	212.8	239.1	239.1	240.3	240	251.7	208.6	230.3	230.3	230.4	230.4	—	—
	90	256.6	255	256.7	256.7	263.7	262.7	246.2	246.2	246.3	246.3	251.6	250.6	236.1	236.1	236.2	236.2	—	—
11000	75	230.8	230.4	252.4	182	264	101.1	222.7	222.3	242.1	178.2	251.2	97	214.6	214.1	—	—	—	—
	80	239.4	239.4	252.2	243.6	264.7	163.8	232	232	242	238.9	252.1	159.2	224.1	224.1	—	—	—	—
	85	251	251	251.7	251.3	264.9	226.1	242.1	242.1	242.2	242.2	252.4	222	232.5	232.5	—	—	—	—
	90	258.7	258.7	258.8	258.8	264.9	263.8	248.7	248.7	248.8	248.8	252.1	251.4	237.7	237.7	—	—	—	—

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. MBh = Total Gross Capacity.
3. SHC = Sensible Heat Capacity.

Table 35. Gas heating performance – CSDX0025F5

CFM	Temp Rise (°F)
7000	26.3
8000	23.0
9000	20.5

Table 35. Gas heating performance – CSDX0025F5 (continued)

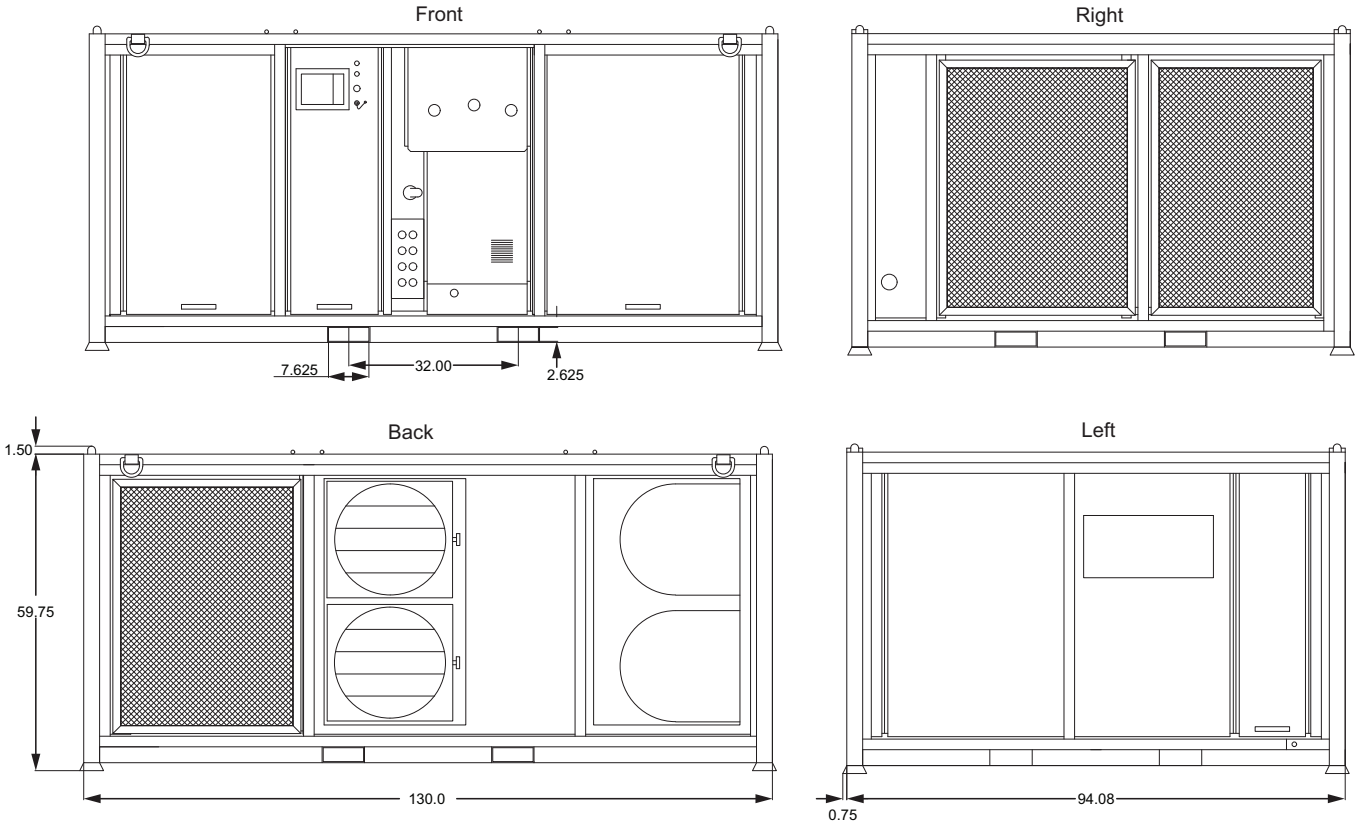
CFM	Temp Rise (°F)
10000	18.4
11000	16.8

Table 36. Sound data – CSDX0025F5

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	94	88	78	80	79	79	79	74
Ducted Inlet (dB)	92	84	78	74	69	71	71	66
Outdoor Noise (dB)	102	89	93	94	92	87	83	75

Unit Drawings

Figure 6. CSDX0025F5 unit dimensions



Model: RSDX0025F7AA-AF

Features

- Two Direct Drive Plenum Fans
- Series 16 Cam Type Electrical Connections
- Phase and Under/Over Voltage Protection
- Advanced Symbio™ 700 Controller with support for BACnet® MS/TP, BACnet IP, Modbus® and LonTalk® (Remote Monitoring Available Upon Request)
- Hinged Service Access
- High Efficiency Heat Pump with Electric Heat Backup for Low Ambient Conditions
- Low Ambient Down to 0°F
- Unit Mounted Thermostat with User-Selectable Return/Remote Sensor Options
- Variable Speed Evaporator Fans with EC motors
- Clogged Filter Switch
- Dehumidification via Electric Reheat with User-Adjustable %RH Setpoint and Selectable Return or Remote Sensors for Humidity Input

Table 37. General data – RSDX0025F7AA-AF

Lables	Value
Nominal Cooling Tons[a]	25
Electric Heat Capacity[b]	72 kW
Refrigerant	R-410A
Refrigerant Charge	38.0 lbs
Number of Refrigerant Circuits	1
Number of Compressors	2
Ambient Operating Conditions	0°F to 125°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.
[b] See 45Gross heating capacity – RSDX0025F7AA-AF, p. 31 for Heat Pump Capacity.

Table 38. Electrical data – circuit breaker style disconnect – RSDX0025F7AA-AF

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	65 kA
Minimum Circuit Ampacity (MCA)	147 A
Maximum Overcurrent Protection (MOP)	150 A
Cooling Only FLA	54.3 A
Heating + Aux Electric Heat FLA	144.8 A
Reheat (72kW Electric Heat + All Cooling) FLA	99.5 A

Table 39. Airflow data – RSDX0025F7AA-AF

Lables	Value
Supply Motor	7.5 HP
Nominal CFM	10,000
Minimum/Maximum CFM	7,500 – 12,000
Maximum ESP at Nominal CFM	1.70 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-8 Throwaway Filter Qty/Size	(4) 20 in. x 24 in. x 2 in. and (4) 20 in. x 30 in. x 2 in.
Maximum Supply/Return Duct Run at 7500 CFM	500 ft.
Maximum Supply/Return Duct Run at 12,000 CFM	150 ft.

Table 40. Dimensions and weights – RSDX0025F7AA-AF

Lables	Value
Length	11 ft. 6 in.
Width	8 ft. 5 in.
Height	8 ft. 6 in.
Shipping Weight	4,900 lbs
Fork Pocket Dimensions	7.625 in. x 3.625 in.
Center to Center Distance of Fork Pockets	3 ft. 2 in.

Note: Lifting Device: Forklift or crane.

Table 41. Operating clearances – RSDX0025F7AA-AF

Lables	Value
Front (Control Panel)	60 in.
Back Side	36 in.
Left Side (Supply/Return)	68 in.
Right Side (Power Connection)	48 in.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 7. Fan curve – RSDX0025F7AA-AF

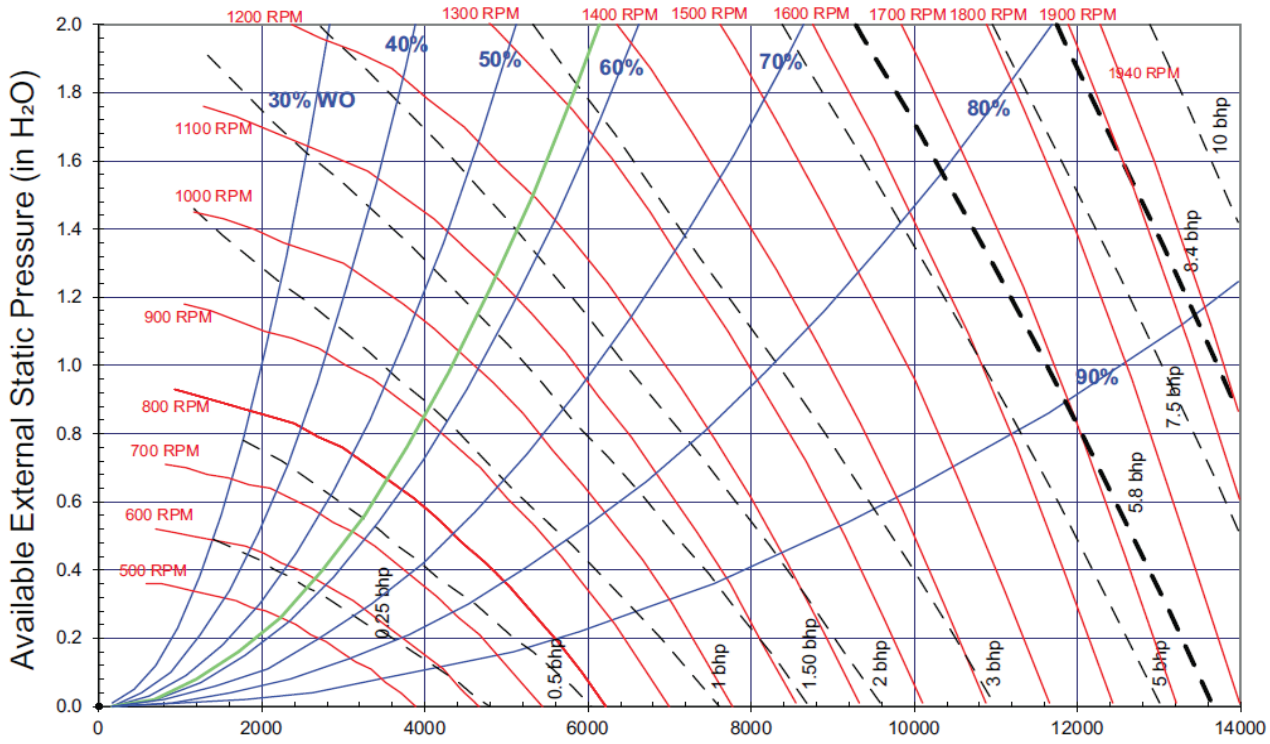


Table 42. Electric heating performance – RSDX0025F7AA-AF

CFM	Temp Rise (°F)
7500	30.35
9000	25.29
10000	22.76
11000	20.69
12000	18.97

Table 43. Sound data – RSDX0025F7AA-AF

Octave Center Frequency (Hz)	63	125	250	500	1K	2K	4K	8K	Overall dBA
	94	90	92	91	88	84	81	75	93

Table 44. Gross cooling capacities – RSDX0025F7AA-AF

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)																	
		85						95						105					
		Entering Wet Bulb																	
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7500	75	247.4	201.9	273.9	155.7	301.5	107.9	233.5	194.4	258.6	148.2	284.3	100.4	218.8	186.5	242.5	140.4	266.0	92.7
	80	250.4	238.1	275.3	193.8	303.1	146.3	237.0	230.3	260.1	186.3	286.4	138.9	222.9	222.1	244.0	178.5	268.8	131.3
	85	260.5	260.5	276.6	231.8	304.4	184.4	248.4	248.4	261.7	224.4	288.0	177.1	235.4	235.4	245.9	216.7	270.5	169.5
	90	274.9	274.9	280.0	267.7	305.4	222.4	262.5	262.5	265.6	260.0	289.1	215.2	249.2	249.2	250.6	250.6	271.7	207.6
9000	75	255.6	222.5	281.6	167.6	308.2	111.2	241.2	214.9	265.7	160.0	290.4	103.8	225.8	207.0	248.8	152.1	271.5	96.0
	80	261.5	261.5	283.1	212.5	310.7	156.6	248.1	248.1	267.3	204.9	293.4	149.1	234.5	234.5	250.5	197.0	275.0	141.4
	85	276.3	276.3	285.7	257.7	312.3	201.6	263.1	263.1	270.3	250.3	295.1	194.2	249.1	249.1	253.9	238.4	276.9	186.5
	90	291.7	291.7	292.4	292.4	313.6	246.4	278.2	278.2	278.3	278.3	296.7	239.1	263.7	263.7	264.1	264.1	278.7	231.5
10000	75	260.2	235.7	285.7	175.2	311.9	113.4	245.5	228.1	269.3	167.5	293.6	105.8	230.0	215.4	252.0	159.6	274.4	98.0
	80	268.7	268.7	287.2	224.4	314.7	163.1	255.6	255.6	271.1	216.8	297.0	155.6	241.4	241.4	254.0	209.0	278.2	147.9
	85	284.8	284.8	290.9	270.6	316.3	212.5	271.1	271.1	275.3	262.5	298.8	205.1	256.4	256.4	258.9	253.9	280.1	197.3
	90	300.8	300.8	301.2	301.2	318.1	261.9	286.7	286.7	287.0	287.0	300.9	254.5	271.5	271.5	271.8	271.8	282.6	246.9
11000	75	264.3	248.5	289.0	182.4	314.9	115.4	249.5	235.9	272.4	174.8	296.3	107.8	233.9	227.1	254.8	166.7	276.7	99.9
	80	275.8	275.8	290.8	236.0	318.1	169.4	262.0	262.0	274.5	228.4	300.0	161.9	247.2	247.2	257.2	220.5	280.9	154.1
	85	292.2	292.2	295.8	285.7	319.7	223.0	277.9	277.9	280.1	277.5	301.8	215.6	262.7	262.7	263.6	263.6	282.9	207.8
	90	308.6	308.6	308.9	308.9	322.1	276.9	293.9	293.9	294.2	294.2	304.6	269.5	278.2	278.2	278.4	278.4	286.1	261.9
12000	75	268.2	255.8	291.9	189.5	317.4	117.3	253.2	247.3	275.0	181.7	298.6	109.7	237.4	237.4	257.1	173.7	278.6	101.8
	80	281.8	281.8	294.1	247.3	320.9	175.5	267.5	267.5	277.5	239.7	302.5	167.9	252.3	252.3	260.0	231.7	283.2	160.1
	85	298.5	298.5	300.4	300.4	322.6	233.2	283.8	283.8	284.6	284.6	304.4	225.8	268.1	268.1	268.2	268.2	285.2	218.0
	90	315.3	315.3	315.7	315.7	325.7	291.4	300.1	300.1	300.4	300.4	308.0	284.1	283.9	283.9	284.1	384.1	289.3	269.9

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		115						125					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
7500	75	203.0	178.3	225.2	132.2	246.7	84.6	186.2	169.5	206.7	123.5	225.9	76.1
	80	208.2	208.2	226.8	170.3	250.0	123.3	193.3	193.3	208.4	161.7	229.8	114.8
	85	221.4	221.4	229.0	208.7	251.9	161.5	206.2	206.2	211.0	196.2	231.7	153.1
	90	234.8	234.8	235.0	235.0	253.3	199.7	219.1	219.1	219.4	219.4	233.3	191.2
9000	75	209.6	194.3	230.8	143.8	251.5	87.8	192.5	184.5	211.5	135.1	229.9	79.2
	80	219.8	219.8	232.7	188.8	255.5	133.4	203.9	203.9	213.7	180.2	234.5	124.8
	85	234.0	234.0	236.8	229.5	257.5	178.4	217.5	217.5	218.6	218.6	236.6	169.9
	90	248.1	248.1	248.4	248.4	259.7	223.6	231.1	231.1	231.3	231.3	239.1	215.1
10000	75	213.7	206.2	233.7	151.2	253.9	89.8	196.3	196.2	214.0	142.4	231.8	81.1
	80	226.1	226.1	236.0	200.7	258.4	139.8	209.5	209.5	216.5	186.5	237.0	131.2
	85	240.7	240.7	241.7	241.7	260.4	189.2	223.5	223.5	223.6	223.6	239.1	180.7
	90	255.2	255.2	255.5	255.5	263.3	239.0	237.4	237.4	237.6	237.6	242.5	224.2
11000	75	217.4	217.4	236.1	158.4	255.8	91.7	200.0	200.0	216.0	149.5	233.2	82.9
	80	231.4	231.4	238.9	212.3	260.7	146.0	214.3	214.3	219.3	196.7	239.0	137.3
	85	246.4	246.4	246.5	246.5	262.8	199.7	228.6	228.6	228.8	228.8	241.3	191.1
	90	261.3	261.3	261.5	261.5	266.6	247.5	242.7	242.7	243.0	243.0	245.7	237.6
12000	75	220.9	220.9	238.1	165.3	257.3	93.5	203.7	203.7	217.7	156.3	234.3	84.7
	80	236.1	236.1	241.5	216.8	262.7	152.0	218.4	218.4	221.8	206.4	240.6	143.3
	85	251.3	251.3	251.5	251.5	265.0	209.9	232.9	232.9	233.1	233.1	243.3	201.3
	90	266.4	266.4	266.7	266.7	269.8	260.6	247.3	247.3	247.5	247.5	248.8	248.8

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. MBh = Total Gross Capacity.
3. SHC = Sensible Heat Capacity.

Table 45. Gross heating capacity – RSDX0025F7AA-AF

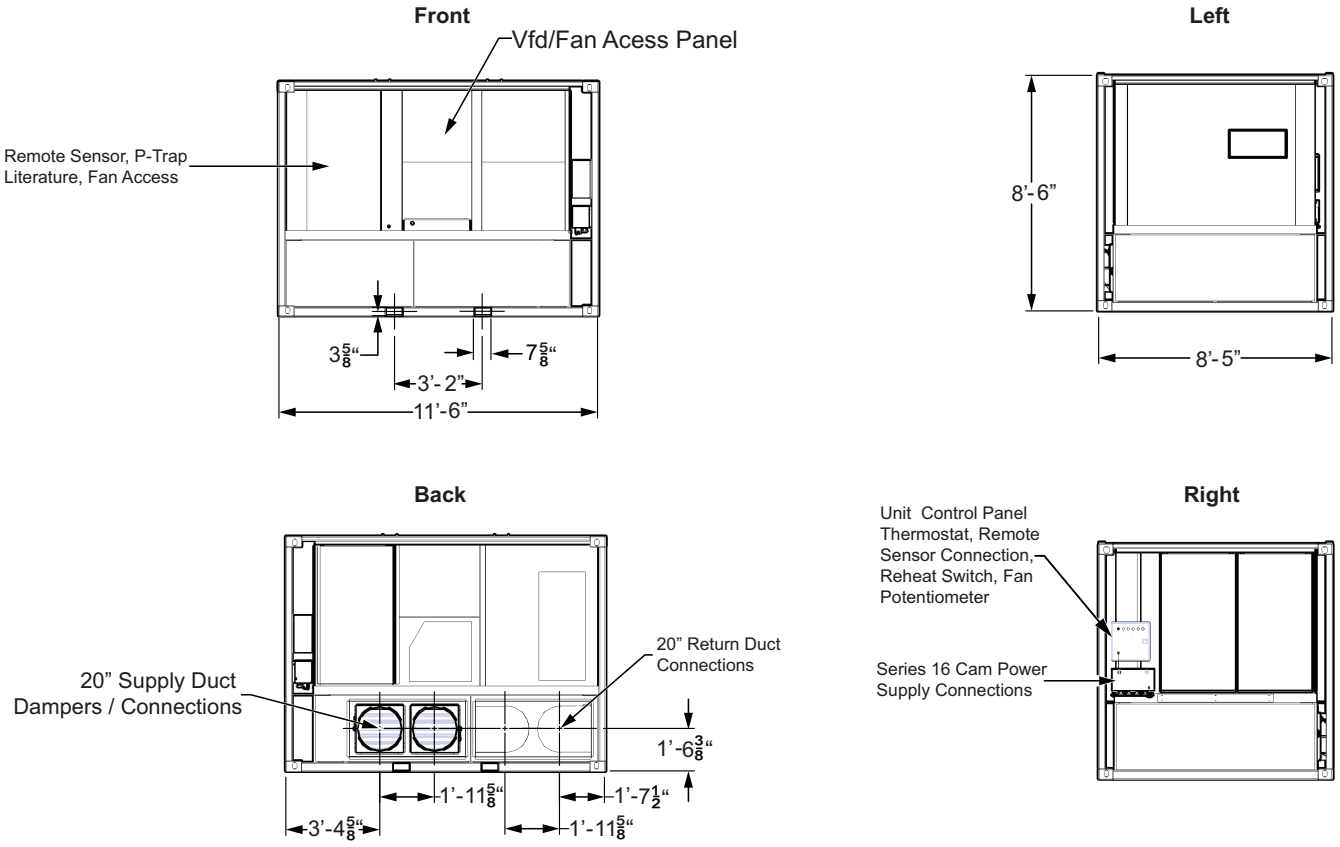
Outdoor Temp (° F) 70% RH	Integrated Heating Capacity (MBh/1000) at Indicated Dry Bulb Temp (°F)				Total Power in Kilowatts at Indicated Dry Bulb Temp (°F)			
	60	70	75	80	60	70	75	80
-8	90.3	88.2	87.4	86.7	17.6	19.2	20.1	21
-3	101.7	99.4	98.4	97.7	17.8	19.5	20.4	21.3
2	113.6	111.2	110.1	109.1	18.1	19.7	20.6	21.6
7	126.1	123.4	122.2	121	18.3	20	20.9	21.8
12	139.1	136.2	134.8	133.6	18.6	20.2	21.2	22.1

Table 45. Gross heating capacity – RSDX0025F7AA-AF (continued)

Outdoor Temp (° F) 70% RH	Integrated Heating Capacity (MBh/1000) at Indicated Dry Bulb Temp (°F)				Total Power in Kilowatts at Indicated Dry Bulb Temp (°F)			
	60	70	75	80	60	70	75	80
17	152.6	149.3	147.8	146.5	18.8	20.5	21.4	22.4
22	167	163.5	161.8	160.1	19.1	20.8	21.7	22.7
27	182	177.9	176.2	174.3	19.3	21	22	23
32	197.9	193.6	191.2	189.3	19.6	21.3	22.3	23.3
37	213.6	208.8	206.4	204.2	19.8	21.6	22.5	23.5
42	230	224.7	222.1	219.5	20.1	21.9	22.8	23.8
47	246.6	240.8	237.9	235	20.4	22.1	23.1	24.1
52	263.9	257.5	254.3	251.2	20.6	22.4	23.4	24.4
57	282.2	275.2	271.6	268.1	20.9	22.7	23.7	24.7
62	300.4	292.6	288.7	284.8	21.2	23	24	25.1
67	318.4	309.8	305.4	301	21.5	23.3	24.3	25.4
72	338.1	328.1	323.2	318.2	21.9	23.7	24.7	25.7

Unit Drawings

Figure 8. RSDX0025F7AA-AF unit dimensions



Model: RSDX0025F7AG+

Features

- Two Direct Drive Plenum Fans
- Series 16 Cam Type Electrical Connections
- Phase and Under/Over Voltage Protection
- Advanced Symbio™ 700 Controller with support for BACnet® MS/TP, BACnet IP, Modbus® and LonTalk® (Remote Monitoring Available Upon Request)
- Hinged Service Access
- High Efficiency Heat Pump with Electric Heat Backup for Low Ambient Conditions
- Low Ambient Down to 0°F
- Unit Mounted Thermostat with User-Selectable Return/Remote Sensor Options
- Variable Speed Evaporator Fans with EC motors
- Clogged Filter Switch
- Dehumidification via Electric Reheat with User-Adjustable %RH Setpoint and Selectable Return or Remote Sensors for Humidity Input

Table 46. General data – RSDX0025F7AG+

Lables	Value
Nominal Cooling Tons[a]	25
Electric Heat Capacity[b]	72 kW
Refrigerant	R-454B
Refrigerant Charge	35.0 lbs
Number of Refrigerant Circuits	1
Number of Compressors	2
Ambient Operating Conditions	0°F to 125°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.
[b] See 54Gross heating capacity – RSDX0025F7AG+, p. 36 for Heat Pump Capacity.

Table 47. Electrical data – circuit breaker style disconnect – RSDX0025F7AG+

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	65 kA
Minimum Circuit Ampacity (MCA)	147 A
Maximum Overcurrent Protection (MOP)	150 A
Cooling Only FLA	54.3 A
Heating + Aux Electric Heat FLA	144.8 A
Reheat (72kW Electric Heat + All Cooling) FLA	99.5 A

Table 48. Airflow data – RSDX0025F7AG+

Lables	Value
Supply Motor	(2) 5.0 HP
Nominal CFM	10,000
Minimum/Maximum CFM	7,500 – 12,000
Maximum ESP at Nominal CFM	1.70 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-8 Throwaway Filter Qty/Size	(4) 20 in. x 24 in. x 2 in. and (4) 20 in. x 30 in. x 2 in.
Maximum Supply/Return Duct Run at 7500 CFM	500 ft.
Maximum Supply/Return Duct Run at 12,000 CFM	150 ft.

Table 49. Dimensions and weights – RSDX0025F7AG+

Lables	Value
Length	11 ft. 6 in.
Width	8 ft. 5 in.
Height	8 ft. 6 in.
Shipping Weight	4,900 lbs
Fork Pocket Dimensions	7.625 in. x 3.625 in.
Center to Center Distance of Fork Pockets	3 ft. 2 in.

Note: Lifting Device: Forklift or crane.

Table 50. Operating clearances – RSDX0025F7AG+

Lables	Value
Front (Control Panel)	60 in.
Back Side	36 in.
Left Side (Supply/Return)	68 in.
Right Side (Power Connection)	48 in.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 9. Fan curve – RSDX0025F7AG+

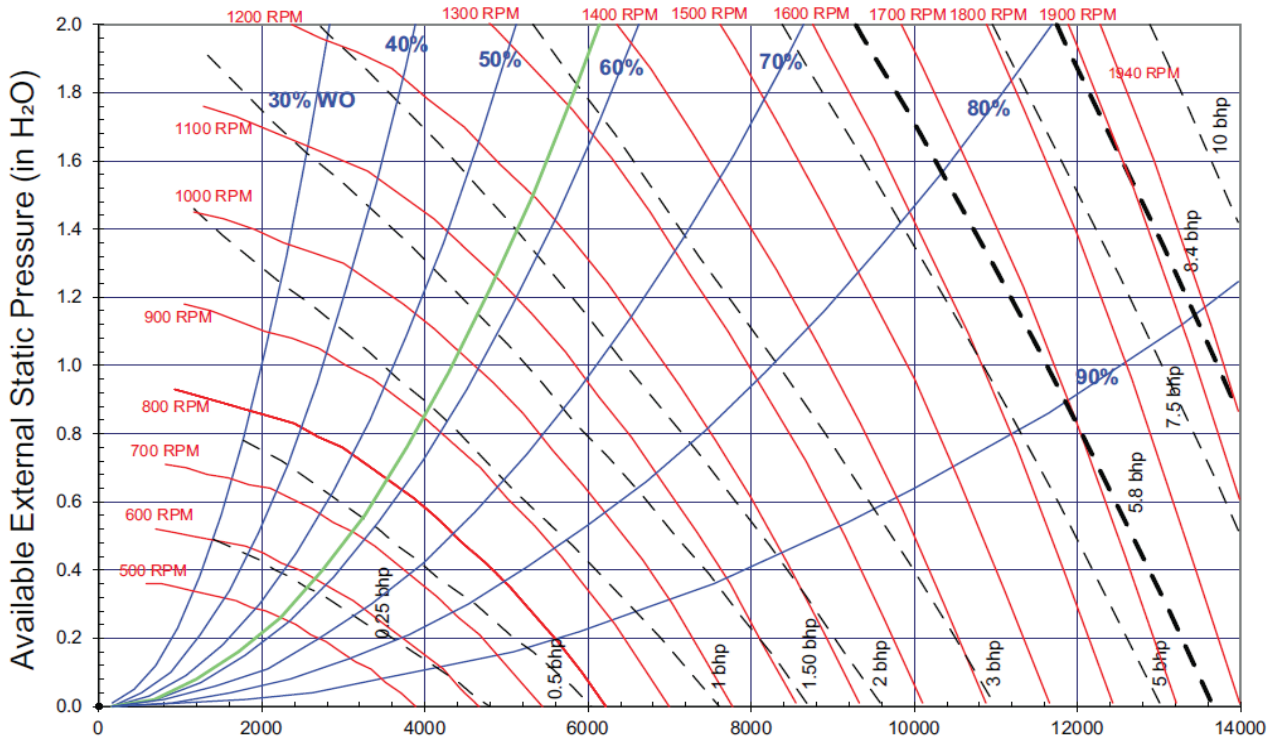


Table 51. Electric heating performance – RSDX0025F7AG+

CFM	Temp Rise (°F)
7500	30.35
9000	25.29
10000	22.76
11000	20.69
12000	18.97

Table 52. Sound data – RSDX0025F7AG+

Octave Center Frequency (Hz)	63	125	250	500	1K	2K	4K	8K	Overall dBA
	94	90	92	91	88	84	81	75	93

Table 53. Gross cooling capacities – RSDX0025F7AG+

CFM	Ent DB (° F)	Entering Wet Bulb Temp (°F)						Entering Wet Bulb Temp (°F)						Entering Wet Bulb Temp (°F)					
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
		Ambient Temperature 85°F						Ambient Temperature 95°F						Ambient Temperature 105°F					
7500	75	246.3	201.7	273.9	155.8	303.7	108.7	233.3	194.6	259.6	148.9	287.9	101.8	219.2	187.2	244.2	141.5	271.1	94.6
	80	248.9	239.1	274.5	193.7	304.1	146.8	236.3	232.0	260.3	186.8	288.4	140.0	223.1	223.1	245.0	179.4	271.7	132.8
	85	259.8	259.8	275.4	231.5	304.7	184.8	248.6	248.6	261.4	224.7	289.1	178.0	236.3	236.3	246.3	217.4	272.5	170.8
	90	274.3	274.3	278.4	268.9	305.2	222.7	262.8	262.8	265.0	262.0	289.7	215.9	250.2	250.2	250.9	250.9	273.2	208.7
9000	75	254.4	222.3	281.7	167.9	311.5	112.2	240.9	215.2	266.7	160.8	295.0	105.3	226.3	207.7	250.7	153.3	277.4	98.0
	80	260.3	260.3	282.4	212.5	312.0	157.2	248.6	248.6	267.5	205.5	295.7	150.3	235.7	235.7	251.5	198.1	278.2	143.0
	85	275.8	275.8	284.4	257.5	312.7	202.0	263.6	263.6	269.9	250.6	296.5	195.1	250.4	250.4	254.4	241.7	279.1	187.9
	90	291.4	291.4	291.6	291.6	313.4	246.7	278.9	278.9	279.3	279.3	297.4	239.9	265.3	265.3	265.7	265.7	280.3	232.8

Table 53. Gross cooling capacities – RSDX0025F7AG+ (continued)

CFM	Ent DB (° F)	Entering Wet Bulb Temp (°F)						Entering Wet Bulb Temp (°F)						Entering Wet Bulb Temp (°F)					
		61		67		73		61		67		73		61		67		73	
		MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC	MBh	SHC
10000	75	259.0	235.4	285.8	175.5	315.5	114.4	245.2	226.8	270.4	168.3	298.6	107.4	230.5	219.0	254.0	160.8	280.5	100.5
	80	268.6	268.6	286.6	224.5	316.1	163.8	256.2	256.2	271.3	217.4	299.4	156.8	242.8	242.8	255.1	210.0	281.6	149.5
	85	284.6	284.6	289.7	272.7	316.9	213.0	271.8	271.8	275.0	265.5	300.3	206.1	258.0	258.0	259.5	257.9	282.5	198.8
	90	300.8	300.8	301.2	301.2	318.0	262.2	287.7	287.7	288.1	288.1	301.7	255.4	273.5	273.5	273.8	273.8	284.3	248.2
11000	75	263.1	246.6	289.2	182.8	318.9	116.5	249.2	239.2	273.5	175.6	301.6	109.4	234.4	231.3	256.9	168.1	283.2	102.0
	80	275.6	275.6	290.1	236.1	319.6	170.2	262.7	262.7	274.7	229.0	302.6	163.1	248.9	248.9	258.3	221.6	284.4	155.8
	85	292.1	292.1	294.6	288.5	320.4	223.7	278.9	278.9	280.0	280.0	303.5	216.7	264.6	264.6	264.7	264.7	285.4	209.4
	90	308.9	308.9	309.3	309.3	322.1	277.3	295.3	295.3	295.6	295.6	305.5	270.4	280.5	280.5	280.8	280.8	287.9	263.2
12000	75	267.0	258.6	292.1	189.8	321.7	118.5	253.0	251.1	276.2	182.6	304.1	111.4	238.3	238.3	259.3	175.0	285.4	103.9
	80	281.7	281.7	293.4	247.4	322.6	176.3	268.4	268.4	277.8	240.3	305.2	169.3	254.2	254.2	261.2	232.8	286.9	161.9
	85	298.7	298.7	299.5	299.5	323.4	233.9	285.1	285.1	285.1	285.1	306.2	226.9	270.3	270.3	270.6	270.6	287.9	219.6
	90	316.0	316.0	316.4	316.4	325.8	291.9	301.9	301.9	302.3	302.3	309.1	285.1	286.6	286.6	284.4	284.4	291.4	275.3
		Ambient Temperature 115°F						Ambient Temperature 125°F											
7500	75	204.2	179.4	227.8	133.8	253.1	87.1	188.1	171.2	210.2	125.7	233.7	79.1						
	80	209.7	209.7	228.6	171.7	253.8	125.2	195.8	195.8	211.1	163.7	234.8	117.4						
	85	223.1	223.1	230.2	209.8	254.7	163.3	208.9	208.9	213.1	200.4	235.7	155.5						
	90	236.7	236.7	237.1	237.1	255.5	201.3	222.0	222.0	222.4	222.4	236.7	193.5						
9000	75	210.9	198.2	233.6	145.5	258.6	90.3	194.6	189.6	215.3	137.4	238.5	82.4						
	80	221.8	221.8	234.6	190.3	259.7	135.4	206.9	206.9	216.5	182.2	240.0	127.5						
	85	236.2	236.2	238.1	233.8	260.7	180.3	220.8	220.8	221.2	221.2	241.0	172.4						
	90	250.6	250.6	251.0	251.0	262.1	225.3	234.8	234.8	235.1	235.1	242.8	217.5						
10000	75	215.0	210.8	236.6	153.0	261.3	92.4	198.7	198.7	218.0	144.8	241.0	84.4						
	80	228.4	228.4	237.9	202.2	262.7	141.9	212.9	212.9	219.6	194.1	242.6	133.9						
	85	243.2	243.2	243.4	243.4	263.7	191.2	227.2	227.2	227.5	227.5	243.7	183.2						
	90	258.2	258.2	258.5	258.5	265.9	240.7	241.7	241.7	242.0	242.0	246.4	230.5						
11000	75	218.9	218.9	239.1	160.2	263.7	94.3	203.4	203.4	220.2	151.9	243.1	86.3						
	80	234.0	234.0	240.9	213.8	265.3	148.2	218.0	218.0	222.4	203.2	244.9	140.2						
	85	249.2	249.2	249.5	249.5	266.3	201.7	232.7	232.7	233.0	233.0	246.0	193.8						
	90	264.7	264.7	265.0	265.0	269.4	253.3	247.6	247.6	247.8	247.8	249.9	244.9						
12000	75	223.2	223.2	241.3	167.1	265.7	96.2	207.4	207.4	222.1	158.8	244.8	88.1						
	80	238.8	238.8	243.6	222.6	267.4	154.2	222.4	222.4	225.0	213.9	246.8	146.2						
	85	254.5	254.5	253.7	253.7	268.5	211.9	237.5	237.5	237.7	237.7	248.1	204.0						
	90	270.3	270.3	270.5	270.5	272.8	267.3	-	-	-	-	-	-						

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. MBh = Total gross capacity
3. SHC = Sensible heat capacity

Table 54. Gross heating capacity – RSDX0025F7AG+

Outdoor Temp (°F)	Integrated Heating Capacity (MBh) at Indicated Dry Bulb Temp (°F)						Total Power (kW) at Indicated Dry Bulb Temp (°F)					
	40	50	60	70	75	80	40	50	60	70	75	80
-8	73.5	67.9	63.1	58.6	56.4	54.3	14.9	16.2	17.6	19.2	20.0	20.9
-3	88.3	83.4	78.9	74.6	72.6	70.7	15.0	16.3	17.7	19.3	20.1	21.0
2	103.6	98.9	94.5	90.4	88.5	86.6	15.0	16.3	17.8	19.4	20.3	21.2
7	119.0	114.4	110.2	106.2	104.3	102.3	15.2	16.5	17.9	19.5	20.4	21.4
12	132.5	128.1	124.0	120.1	118.2	116.4	15.3	16.7	18.1	19.8	20.7	21.6
17	149.5	145.0	140.8	136.6	134.7	132.8	15.5	16.8	18.3	20.0	20.9	21.9
22	167.2	162.8	158.5	154.3	152.3	150.3	15.7	17.0	18.5	20.2	21.2	22.1
27	185.7	181.2	176.8	172.4	170.4	168.4	15.9	17.3	18.8	20.5	21.5	22.5
32	204.9	200.3	195.6	191.1	188.9	186.7	16.2	17.6	19.1	20.8	21.8	22.8
37	220.8	215.9	211.1	206.3	204.0	201.8	16.4	17.8	19.4	21.1	22.1	23.1

Table 54. Gross heating capacity – RSDX0025F7AG+ (continued)

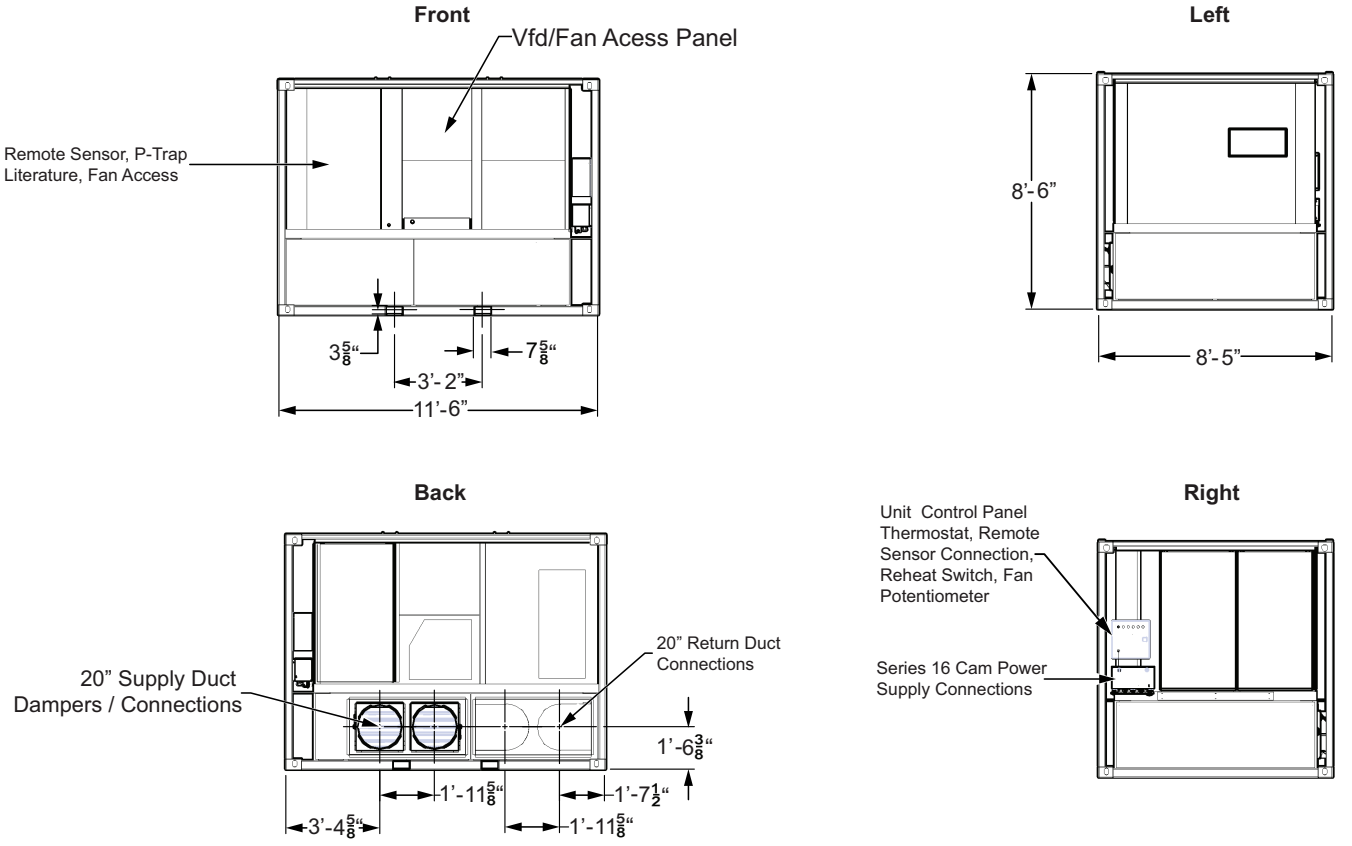
Outdoor Temp (°F)	Integrated Heating Capacity (MBh) at Indicated Dry Bulb Temp (°F)						Total Power (kW) at Indicated Dry Bulb Temp (°F)					
	40	50	60	70	75	80	40	50	60	70	75	80
42	240.3	235.3	230.0	225.0	222.5	220.1	16.7	18.1	19.7	21.5	22.4	23.5
47	257.1	251.7	246.1	240.8	238.1	235.5	17.0	18.4	20.0	21.8	22.8	23.8
52	278.6	272.6	266.5	260.7	257.8	254.9	17.3	18.8	20.4	22.2	23.2	24.2
57	296.8	290.1	283.6	277.3	274.2	271.0	17.6	19.1	20.7	22.6	23.6	24.6
62	320.2	312.2	304.9	297.4	294.4	290.9	18.0	19.5	21.2	23.0	24.0	25.1
67	334.7	326.6	318.8	311.4	307.6	303.9	18.2	19.8	21.5	23.3	24.4	25.4
72	346.5	337.8	354.8	321.2	317.4	313.4	18.5	20.0	22.7	23.6	24.6	25.7

Notes:

1. For other airflow conditions, see heating capacity correction factor Net Heating Capacity and Power Input include indoor fan heat at nominal CFM and 0.40 inch ESP. To obtain net heating at other conditions, subtract fan heat at this condition and add fan heat at new condition.
2. Heating capacities and powers are integrated to include the effects of defrost in the frost region.
3. All heating capacities and power (kW) are at 70% OD relative humidity.

Unit Drawings

Figure 10. RSDX0025F7AG+ unit dimensions



Model: CSDX0035F0

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- VAV with VFD and with Bypass

- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Remote Room Sensor
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply/Return Air Dampers
- Two Stage Cooling and Heating
- Low Ambient Operation Down to 0°F

Table 55. General data – CSDX0035F0

Lables	Value
Nominal Cooling Tons[a]	35
Heating Capacity	90 kW
Refrigerant	R-22/R-410A
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 56. Electrical data – circuit breaker style disconnect – CSDX0035F0

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Connections or Hardwire (Maximum 350 MCM)
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	180.1 A
Maximum Overcurrent Protection (MOP)	200 A
Cooling Only FLA	79 A
Heating Only FLA	131.1 A
Electric Reheat (60 kW Electric Heat + All Cooling) FLA	154.4 A

Table 57. Airflow data – CSDX0035F0

Lables	Value
Supply Motor	15 HP
Nominal CFM	14,000
Minimum/Maximum CFM	10,500 – 14,400
Maximum ESP at Nominal CFM	1.9 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-7 Throwaway Filter Qty/Size	(16) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	125 ft.
Maximum Supply/Return Duct Run at Maximum CFM	50 ft.

Table 58. Dimensions and weights – CSDX0035F0

Lables	Value
Length	19 ft. 0 in.
Width	8 ft. 4 in.
Height	7 ft. 2.25 in.
Shipping Weight	7000 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in. x 94 in.
Center to Center Distance of Fork Pockets	63.5 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.

Table 59. Operating clearances – CSDX0035F0

Lables	Value
Condenser Coil End	8 ft.
Economizer End	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances provided are for single unit use only, if multiple units are to be placed next to each other reach out to Trane Rental Services for more information.

Figure 11. Fan curve – CSDX0035F0

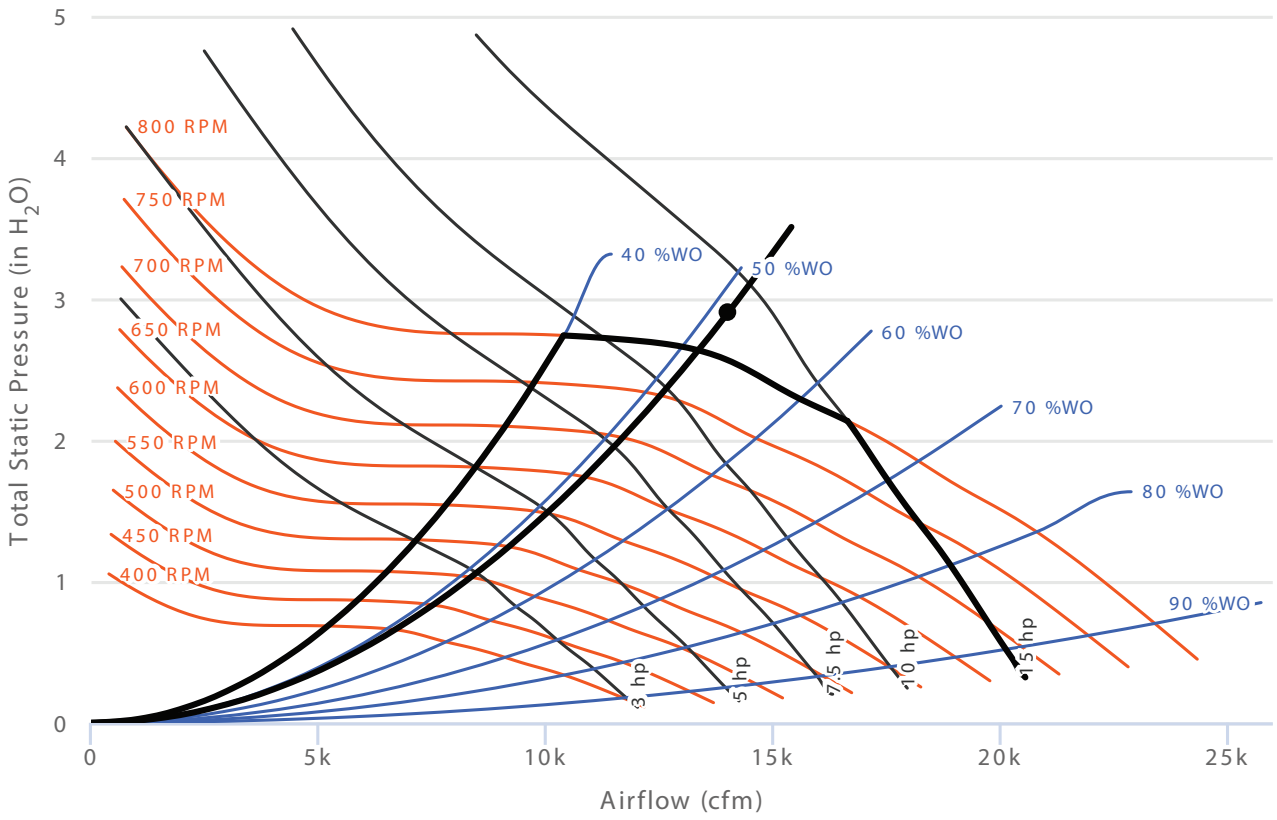


Table 60. Gross cooling capacities – CSDX0035F0

Airflow cfm	Ent DB (°F)	Ambient Temperature											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10500	75	375	307	410	238	447	162	355	297	388	227	422	152
	80	381	364	412	293	450	221	361	353	390	282	425	210
	85	397	397	416	349	452	278	379	379	394	337	427	268
	90	417	417	422	406	454	332	399	399	401	394	430	321
12000	75	384	328	418	251	454	166	364	319	395	241	429	155
	80	392	392	421	312	458	232	373	373	398	300	433	222
	85	413	413	426	376	459	295	394	394	404	364	434	283
	90	434	434	434	434	463	357	414	414	414	414	438	345
13000	75	389	342	423	261	458	168	368	333	399	250	433	158
	80	400	400	426	324	462	240	381	381	403	313	436	229
	85	422	422	432	393	464	306	402	402	409	381	439	294
	90	444	444	444	444	468	373	423	423	423	423	443	361
14000	75	394	356	427	270	462	170	373	344	402	254	436	160
	80	408	408	430	337	466	247	388	388	407	325	440	237
	85	431	431	437	410	468	317	410	410	414	398	442	305
	90	456	456	456	456	475	395	434	434	434	434	449	383
14400	75	396	361	428	273	463	171	378	349	404	257	437	161
	80	411	411	432	341	467	250	391	391	408	329	441	239
	85	434	434	439	417	470	321	413	413	416	405	444	309
	90	456	456	456	456	475	395	434	434	434	434	449	383
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10500	75	334	285	364	216	396	141	311	272	339	204	367	130
	80	340	340	267	269	399	200	320	320	341	257	371	188
	85	359	359	371	325	401	255	338	338	346	312	373	242
	90	378	378	378	378	404	309	356	356	356	356	376	296
12000	75	342	306	371	230	402	144	318	291	344	218	372	133
	80	353	353	374	288	406	211	331	331	348	275	376	199
	85	373	373	379	351	408	271	350	350	354	338	379	258
	90	392	392	392	392	412	333	368	368	368	368	383	319
13000	75	346	318	374	234	405	147	322	304	347	221	375	135
	80	360	360	378	300	409	218	338	338	352	287	378	204
	85	381	381	384	369	411	282	357	357	358	355	382	268
	90	400	400	400	400	416	348	376	376	376	376	387	335
14000	75	350	331	377	241	407	149	326	317	350	228	377	137
	80	367	367	382	312	411	223	326	317	350	228	377	137
	85	388	388	389	385	415	292	344	344	355	298	381	210
	90	410	410	410	410	421	370	382	382	382	382	390	350
14400	75	352	336	378	244	409	150	328	322	351	231	378	138
	80	369	369	383	317	412	225	346	346	356	303	382	212
	85	390	390	390	390	416	296	365	365	365	365	386	283
	90	410	410	410	410	421	370	384	384	384	384	391	356

Notes:

1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 61. Electric heating performance – CSDX0035F0

CFM	Temp Rise (°F)
10500	30.1
12000	27.0
13000	25.5

Table 61. Electric heating performance – CSDX0035F0 (continued)

CFM	Temp Rise (°F)
14000	24.2
14400	23.7

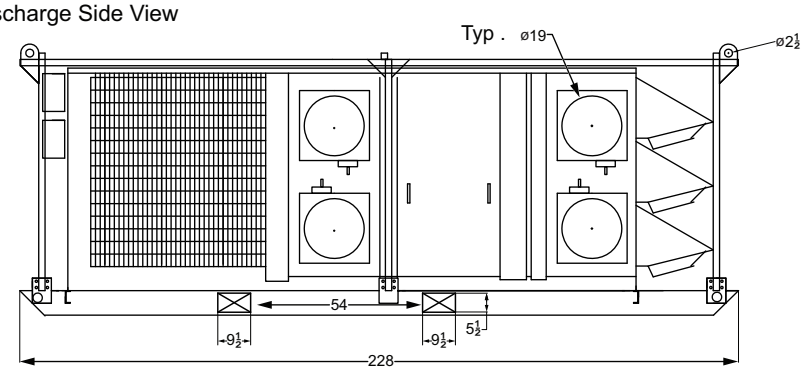
Table 62. Sound data – CSDX0035F0

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	87	87	84	86	82	76	72	70
Ducted Inlet (dB)	88	79	73	80	75	70	65	58
Outdoor Noise (dB)	100	96	97	96	93	89	90	83

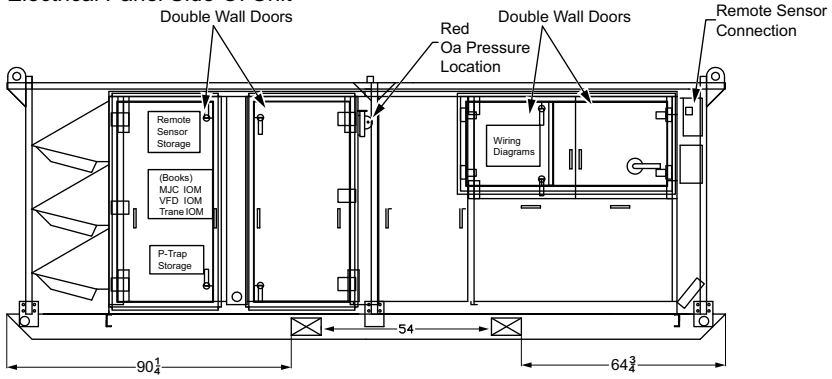
Unit Drawings

Figure 12. CSDX0035F0 unit dimensions

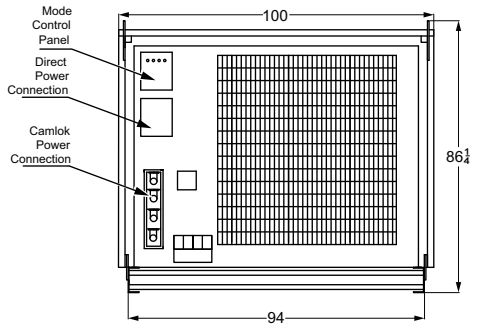
Discharge Side View



Trane Electrical Panel Side Of Unit



Front View



Model: CSDX0035F6

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Hot Gas Reheat (Performance available upon request)
- Blower VFD with across the Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Two Stage Cooling and Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 63. General data – CSDX0035F6

Lables	Value
Nominal Cooling Tons[a]	35
Heating Capacity	90 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 69°F EWB, 400 CFM/Ton.

Table 64. Electrical data – circuit breaker style disconnect – CSDX0035F6

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	180.1 A
Maximum Overcurrent Protection (MOP)	200 A
Cooling Only FLA	79 A
Heating Only FLA	131.1 A
Electric Reheat (60 kW Electric Heat + All Cooling) FLA	154.4 A

Table 65. Airflow data – CSDX0035F6

Lables	Value
Supply Motor	15 HP
Nominal CFM	14,000
Minimum/Maximum CFM	10,500 – 14,400
Maximum ESP at Nominal CFM	2.48 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-7 Throwaway Filter Qty/Size	(16) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	250 ft.
Maximum Supply/Return Duct Run at Maximum CFM	75 ft.

Table 66. Dimensions and weights – CSDX0035F6

Lables	F6CA-CQ	F6CR-DK
Length	18 ft. 4 in.	18 ft. 4 in.
Width	8 ft. 3.625 in.	7 ft. 7.25 in
Height	7 ft. 4.5 in.	6 ft. 10 in.
Shipping Weight	7,900 lbs	6,420 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	60 in.	4 ft. 10.25 in.

Notes:
1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see *Voyager™ 3 Installation, Operation, and Maintenance* (RT-SVX34*-EN).

Table 67. Operating clearances – CCSDX0035F6

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances provided are for single unit use only, if multiple units are to be placed next to each other reach out to Trane Rental Services for more information.

Figure 13. Fan curve – CSDX0035F6

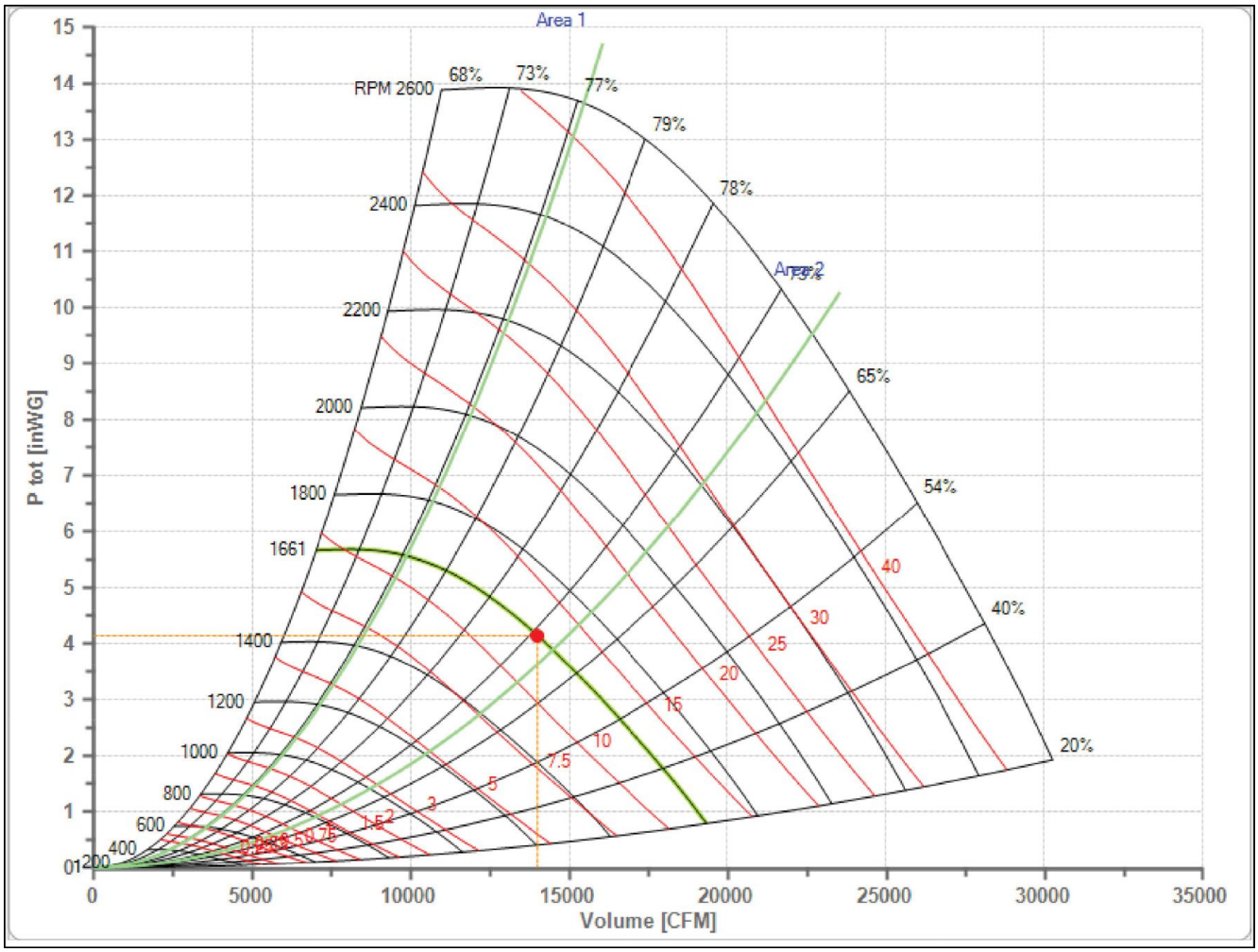


Table 68. Gross cooling capacities – CSDX0035F6

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10500	75	375	307	410	238	447	162	355	297	388	227	422	152
	80	381	364	412	293	450	221	361	353	390	282	425	210
	85	397	397	416	349	452	278	379	379	394	337	427	268
	90	417	417	422	406	454	332	399	399	401	394	430	321
12000	75	384	328	418	251	454	166	364	319	395	241	429	155
	80	392	392	421	312	458	232	373	373	398	300	433	222
	85	413	413	426	376	459	295	394	394	404	364	434	283
	90	434	434	434	434	463	357	414	414	414	414	438	345
13000	75	389	342	423	261	458	168	368	333	399	250	433	158
	80	400	400	426	324	462	240	381	381	403	313	436	229
	85	422	422	432	393	464	306	402	402	409	381	439	294
	90	444	444	444	444	468	373	423	423	423	423	443	361
14000	75	394	356	427	270	462	170	373	344	402	254	436	160
	80	408	408	430	337	466	247	388	388	407	325	440	237
	85	431	431	437	410	468	317	410	410	414	398	442	305
	90	456	456	456	456	475	395	434	434	434	434	449	383
14400	75	396	361	428	273	463	171	378	349	404	257	437	161
	80	411	411	432	341	467	250	391	391	408	329	441	239
	85	434	434	439	417	470	321	413	413	416	405	444	309
	90	456	456	456	456	475	395	434	434	434	434	449	383
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10500	75	334	285	364	216	396	141	311	272	339	204	367	130
	80	340	340	267	269	399	200	320	320	341	257	371	188
	85	359	359	371	325	401	255	338	338	346	312	373	242
	90	378	378	378	378	404	309	356	356	356	356	376	296
12000	75	342	306	371	230	402	144	318	291	344	218	372	133
	80	353	353	374	288	406	211	331	331	348	275	376	199
	85	373	373	379	351	408	271	350	350	354	338	379	258
	90	392	392	392	392	412	333	368	368	368	368	383	319
13000	75	346	318	374	234	405	147	322	304	347	221	375	135
	80	360	360	378	300	409	218	338	338	352	287	378	204
	85	381	381	384	369	411	282	357	357	358	355	382	268
	90	400	400	400	400	416	348	376	376	376	376	387	335
14000	75	350	331	377	241	407	149	326	317	350	228	377	137
	80	367	367	382	312	411	223	326	317	350	228	377	137
	85	388	388	389	385	415	292	344	344	355	298	381	210
	90	410	410	410	410	421	370	382	382	382	382	390	350
14400	75	352	336	378	244	409	150	328	322	351	231	378	138
	80	369	369	383	317	412	225	346	346	356	303	382	212
	85	390	390	390	390	416	296	365	365	365	365	386	283
	90	410	410	410	410	421	370	384	384	384	384	391	356

Notes:

1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 69. Electric heating performance – CSDX0035F6

CFM	Temp Rise (°F)
10500	30.1
12000	27.0
13000	25.5

Table 69. Electric heating performance – CSDX0035F6 (continued)

CFM	Temp Rise (°F)
14000	24.2
14400	23.7

Table 70. Sound data – CSDX0035F6

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	89	92	95	89	86	79	74	68
Outdoor Noise (dB)	100	96	97	96	93	89	90	83

Unit Drawings

Figure 14. CSDX0035F6CA-CQ unit dimensions

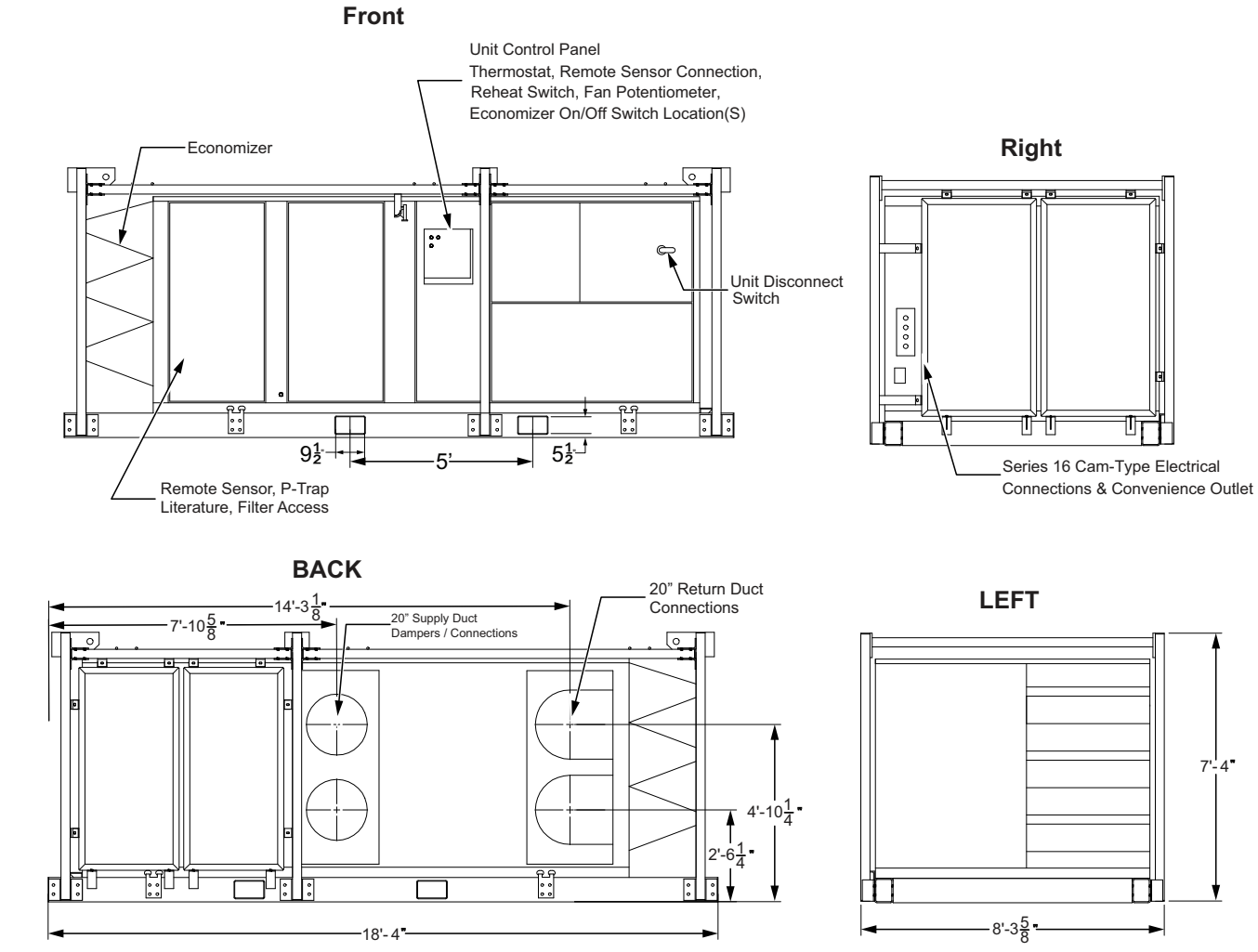
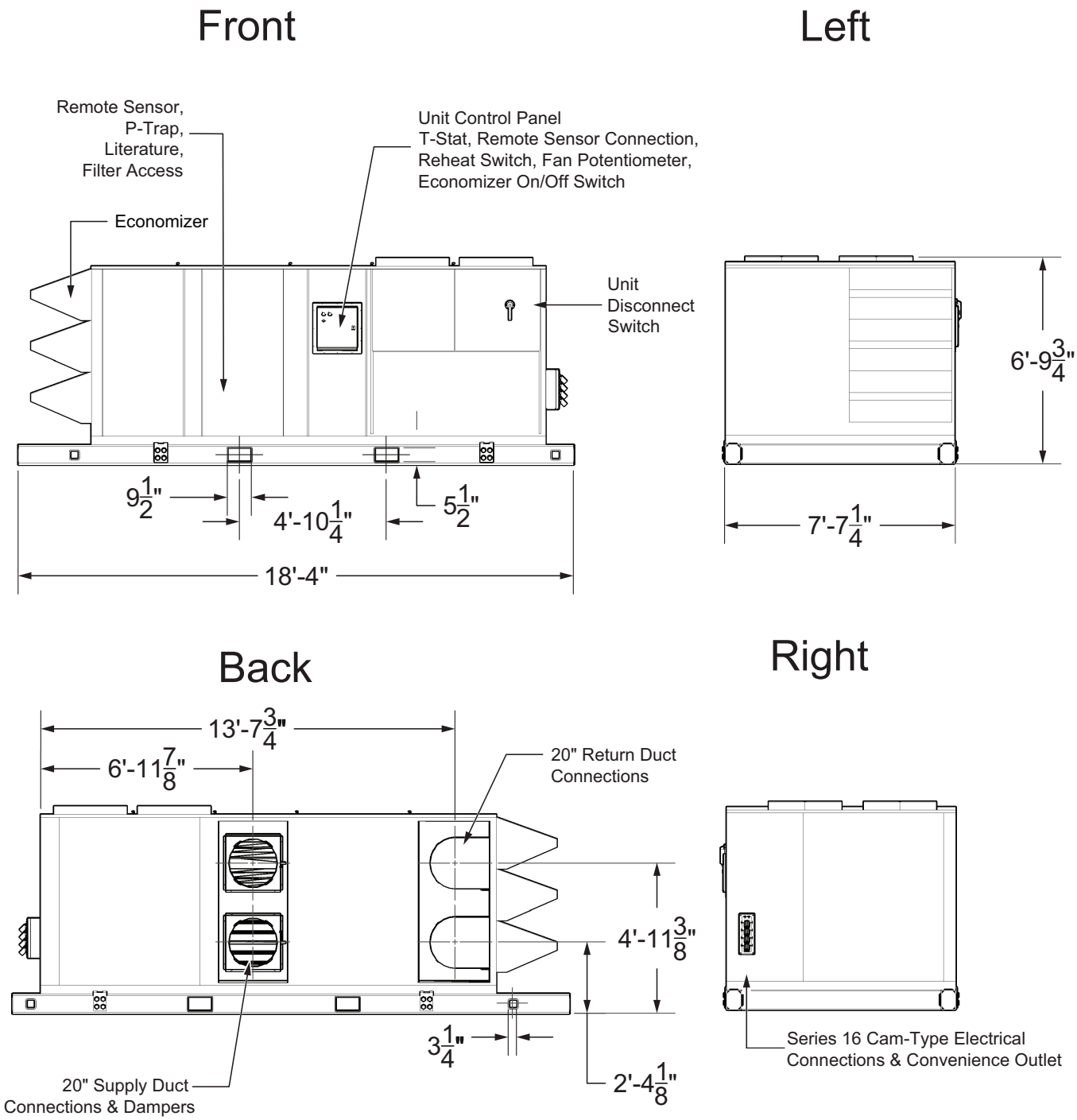


Figure 15. CSDX0035F6CR-DK unit dimensions



Model: RSDX0035F6AB-AF

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Hot Gas Reheat (Performance available upon request)
- Blower VFD with across the Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Sybmio™ 700 Trane Controls with BACnet® Interface RS-485 MS/TP (Remote Monitoring Available Upon Request)
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Three Stage Cooling and Two Stage Electric Heat
- Low Ambient Operation Down to 0°F

Table 71. General data – RSDX0035F6AB-AF

Lables	Value
Nominal Cooling Tons[a]	35
Heating Capacity	90 kW
Refrigerant	R-410A
Refrigerant Charge	41.3lbs
Number of Refrigerant Circuits	1
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 72. Electrical data – circuit breaker style disconnect – RSDX0035F6AB-AF

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	65 kA
Minimum Circuit Ampacity (MCA)	141 A
Maximum Overcurrent Protection (MOP)	150 A
Cooling Only FLA	93.4 A
Heating Only FLA	137.8 A

Table 73. Airflow data – RSDX0035F6AB-AF

Lables	Value
Supply Motor	20 HP
Nominal CFM	14,000
Minimum/Maximum CFM	10,500 – 14,400
Maximum ESP at Nominal CFM	2.50 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-8 Throwaway Filter Qty/Size	(16) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at 10,500 CFM	400 ft.
Maximum Supply/Return Duct Run at 14,400 CFM	184 ft.

Table 74. Dimensions and weights – RSDX0035F6AB-AF

Lables	F6CA-CQ
Length	18 ft. 4 in.
Width	7 ft. 7.25 in.
Height	6 ft. 9.75 in.
Shipping Weight	6,580 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	4 ft. 10.375 in.

Note: Lifting Device: Forklift or crane.

Table 75. Operating clearances – RSDX0035F6AB-AF

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances provided are for single unit use only, if multiple units are to be placed next to each other reach out to Trane Rental Services for more information.

Figure 16. Fan curve – RSDX0035F6AB-AF

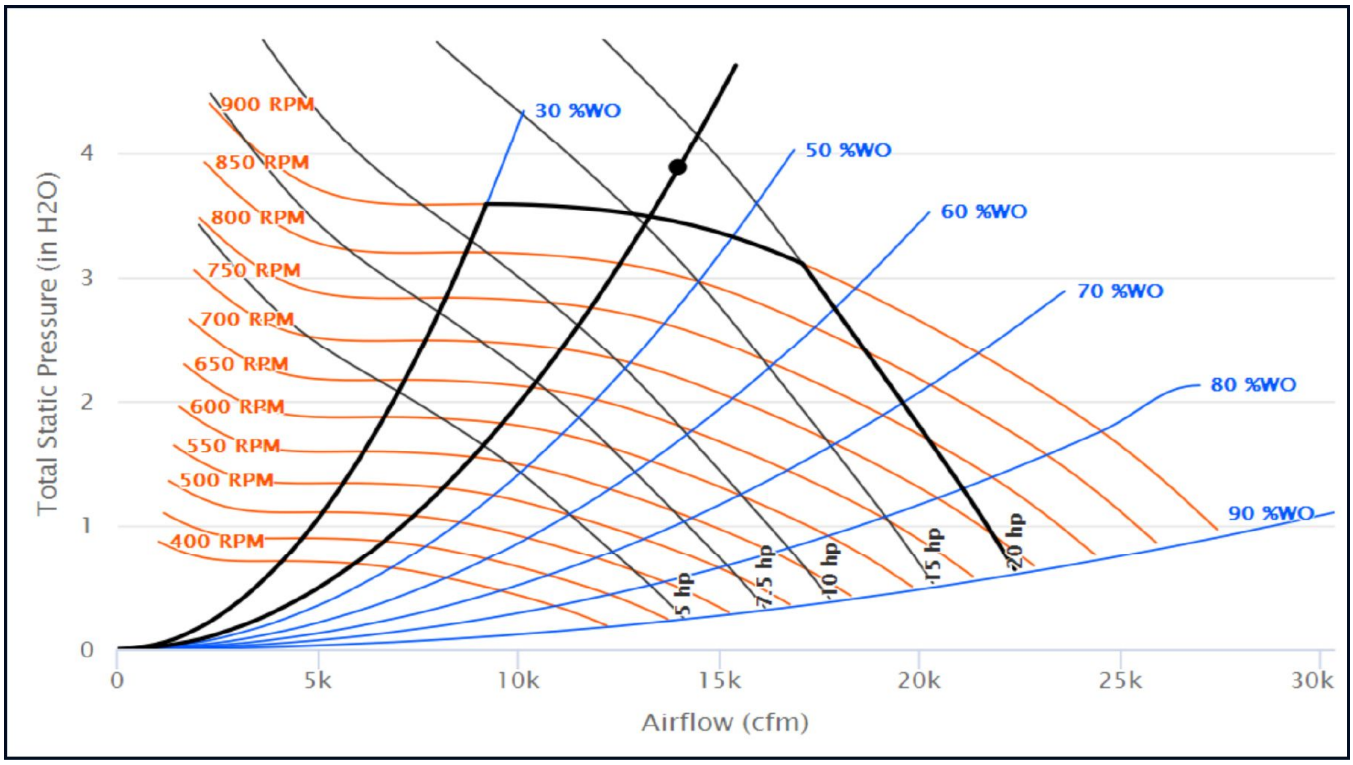


Table 76. Gross cooling capacities – RSDX0035F6AB-AF

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10500	75	375	307	410	238	447	162	355	297	388	277	422	152
	80	381	364	412	293	450	221	361	353	390	282	425	210
	85	397	397	416	349	452	278	379	379	394	337	427	268
	90	417	417	422	406	454	332	399	399	401	394	430	321
12000	75	384	328	418	251	454	166	364	319	395	241	429	155
	80	392	392	421	312	458	232	373	373	398	300	433	222
	85	413	413	426	376	459	295	394	394	404	364	434	283
	90	434	434	434	434	463	357	414	414	414	414	438	345
13000	75	389	342	423	261	458	168	368	333	399	250	433	158
	80	400	400	426	324	462	240	381	381	403	313	436	229
	85	422	422	432	393	464	306	402	402	409	381	439	294
	90	444	444	444	444	468	373	423	423	423	423	443	361
14000	75	394	356	429	270	462	170	373	344	402	254	436	160
	80	408	408	430	337	466	247	388	388	407	325	440	237
	85	431	431	437	410	468	317	410	410	414	398	445	305
	90	456	456	456	456	475	395	434	434	434	434	449	383
14400	75	396	361	428	273	463	171	378	349	404	257	437	161
	80	411	411	432	341	467	250	391	391	408	329	441	239
	85	434	434	439	417	470	321	413	413	416	405	444	309
	90	456	456	456	456	475	395	434	434	434	434	449	383
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10500	75	334	285	364	216	396	141	311	272	339	204	367	130
	80	340	340	267	269	399	200	320	320	341	257	371	188
	85	359	359	371	325	401	255	338	338	346	312	373	242
	90	378	378	378	378	404	309	356	356	356	356	376	296
12000	75	342	306	371	230	402	144	318	291	344	218	372	133
	80	353	353	374	288	406	211	331	331	348	275	376	199
	85	273	273	379	351	408	271	350	350	354	338	379	258
	90	392	392	392	392	412	333	368	368	368	368	383	319
13000	75	346	318	374	234	405	147	322	304	347	221	375	135
	80	360	360	378	300	409	218	338	338	352	287	378	204
	85	381	381	384	369	411	282	357	357	258	355	382	268
	90	400	400	400	400	416	348	376	376	376	376	387	335
14000	75	350	331	377	241	407	149	326	317	350	228	377	137
	80	_cool	367	382	312	411	223	326	317	350	228	377	137
	85	388	388	389	385	415	292	344	344	355	298	381	210
	90	410	410	410	410	421	370	382	382	382	382	390	350
14400	75	352	336	378	244	409	150	328	322	351	231	378	138
	80	369	369	383	317	412	225	346	346	356	303	282	212
	85	390	390	390	390	416	296	365	365	365	365	386	283
	90	410	410	410	410	421	370	384	384	384	384	391	356

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. TGC = Total Gross Capacity.
3. SHC = Sensible Heat Capacity.

Table 77. Electric heating performance – RSDX0035F6AB-AF

CFM	Temp Rise (°F)
10500	30.1
12000	27.0
13000	25.5

Table 77. Electric heating performance – RSDX0035F6AB-AF (continued)

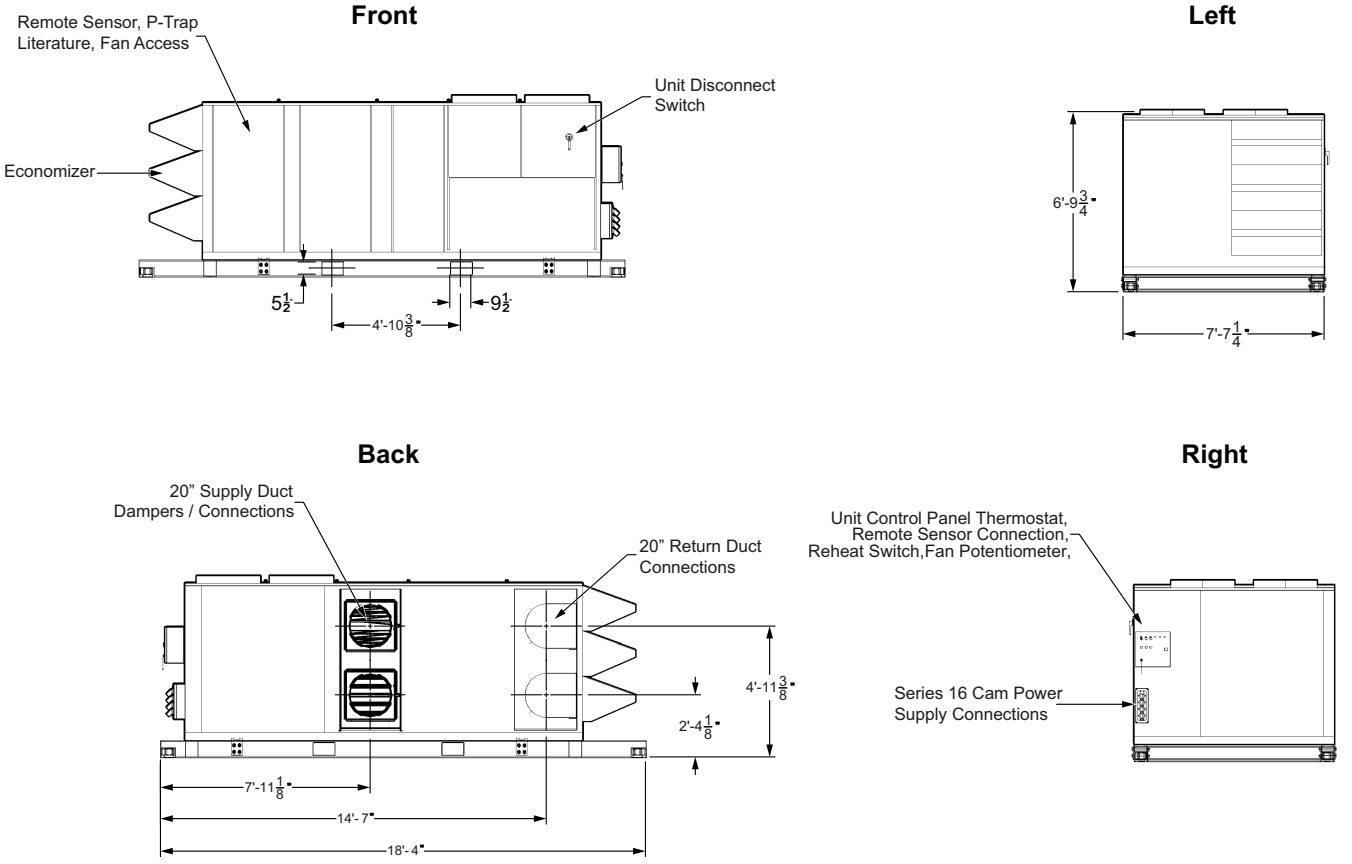
CFM	Temp Rise (°F)
14000	24.2
14400	23.7

Table 78. Sound data – RSDX0035F6AB-AF

Octave Center Frequency (Hz)								
Sound Path (Hz)	**63**	**125**	**250**	**500**	**1K**	**2K**	**4K**	**8K**
Ducted Discharge (dB)	87	87	84	86	86	76	72	74
Ducted Return (dB)	92	79	73	84	79	74	69	62
Outdoor Noise (dB)	100	96	97	96	93	89	90	83

Unit Drawings

Figure 17. RSDX0035F6AB-AF unit dimensions



Model: CSDX0050F0

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- VAV with VFD and with Bypass
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Remote Room Sensor
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply/Return Air Dampers
- Three Stage Cooling and Two Stage Heating
- Low Ambient Operation Down to 0°F

Table 79. General data – CSDX0050F0

Lables	Value
Nominal Cooling Tons[a]	50
Heating Capacity	108 kW
Refrigerant	R-22/R-410A
Number of Refrigerant Circuits	2
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 67.2°F EWB, 400 CFM/Ton.

Table 80. Electrical data – circuit breaker style disconnect – CSDX0050F0

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Connections or Hardwire (Maximum 350 MCM)
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	240.5 A
Maximum Overcurrent Protection (MOP)	250 A
Cooling Only FLA	120.6 A
Heating Only FLA	160.4 A
Reheat	211.1 A

Table 81. Airflow data – CSDX0050F0

Lables	Value
Supply Motor	20 HP
Nominal CFM	20,000
Minimum/Maximum CFM	15,000 – 20,000
Maximum ESP at Nominal CFM	0.90 in.
Supply Air Connection Qty/Size	(3) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-7 Throwaway Filter Qty/Size	(17) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	75 ft.
Maximum Supply/Return Duct Run at Maximum CFM	25 ft.

Table 82. Dimensions and weights – CSDX0050F0

Lables	Value
Length	23 ft. 6 in.
Width	8 ft. 4 in.
Height	7 ft. 9.25 in.
Shipping Weight	8,300 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in. x 94 in.
Center to Center Distance of Fork Pockets	63.5 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see *Voyager™ 3 Installation, Operation, and Maintenance* (RT-SVX34*-EN).

Table 83. Operating clearances – CSDX0050F0

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 18. Fan curve – CSDX0050F0

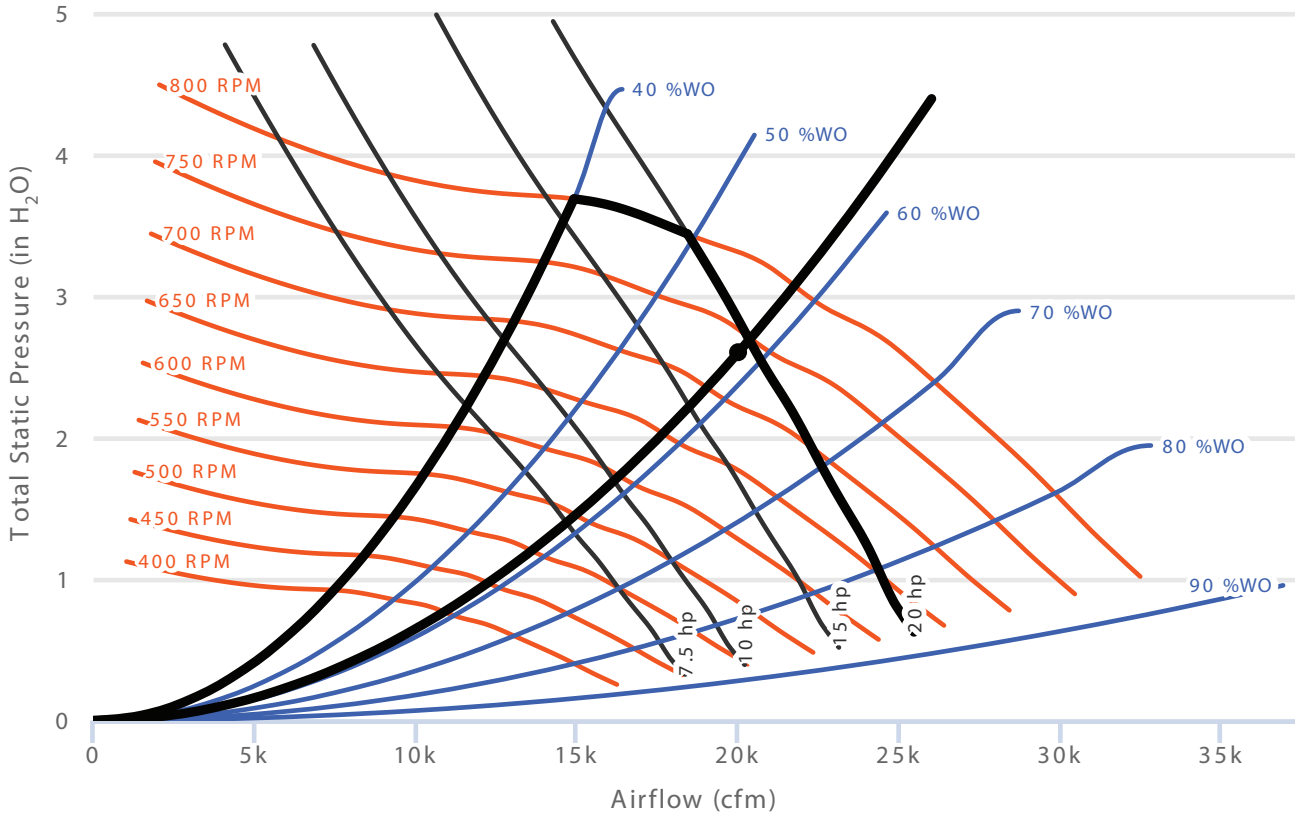


Table 84. Gross cooling capacities – CSDX0050F0

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	538	438	593	339	650	232	508	421	559	322	612	215
	80	547	522	596	420	654	317	518	504	652	402	617	300
	85	571	571	602	501	657	400	543	543	569	483	620	383
	90	603	603	611	584	660	479	574	574	578	565	623	461
17000	75	552	468	605	359	661	237	520	449	570	341	622	220
	80	562	562	609	446	666	333	534	534	574	428	627	316
	85	595	595	616	538	668	424	565	565	582	519	630	405
	90	627	627	627	627	674	513	597	597	596	596	636	494
18000	75	557	482	610	368	666	240	526	463	574	350	626	222
	80	571	571	614	459	671	341	542	542	579	441	632	323
	85	605	605	622	556	673	435	575	575	588	537	635	416
	90	638	638	638	638	680	529	607	607	606	606	641	510
19000	75	563	496	614	377	670	242	531	477	578	360	630	225
	80	580	580	619	572	675	348	551	551	584	453	636	330
	85	614	614	628	574	678	447	583	583	593	554	639	428
	90	648	648	648	648	685	546	616	616	616	616	646	526
20000	75	568	510	618	387	674	245	535	491	582	369	633	227
	80	589	589	624	485	679	355	558	558	588	465	639	338
	85	623	623	634	591	683	458	592	592	598	572	643	439
	90	657	657	657	657	690	562	624	624	624	624	651	542
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	476	402	523	304	572	197	441	382	485	286	529	179
	80	484	484	526	382	577	282	454	454	488	362	535	263
	85	514	514	533	463	579	363	482	482	495	443	537	342
	90	543	543	542	542	584	441	509	509	509	509	542	421
17000	75	487	429	532	323	581	202	451	409	493	304	537	184
	80	503	503	537	408	586	298	470	470	498	387	543	279
	85	534	534	545	499	589	386	499	499	506	478	546	365
	90	564	564	563	563	595	474	528	528	528	528	552	453
18000	75	492	444	536	332	584	205	456	423	496	313	540	186
	80	511	511	542	421	590	305	478	478	502	400	544	285
	85	542	542	551	517	594	397	507	507	511	495	550	376
	90	573	573	572	572	600	490	536	536	536	536	557	469
19000	75	496	457	540	341	587	207	460	436	499	315	543	189
	80	519	519	546	433	591	312	485	485	506	412	547	291
	85	550	550	556	534	598	408	514	514	514	514	553	386
	90	581	581	581	581	605	506	544	544	543	543	561	485
20000	75	501	471	542	344	591	209	464	450	502	323	545	191
	80	526	526	550	445	597	320	491	491	509	424	550	297
	85	558	558	561	551	601	419	521	521	521	521	557	397
	90	589	589	588	588	609	522	550	550	550	550	564	500

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. TGC = Total Gross Capacity.
3. SHC = Sensible Heat Capacity.

Table 85. Electric heating performance – CSDX0050F0

CFM	Temp Rise (°F)
15000	25.6
16000	24.4
18000	22.5

Table 85. Electric heating performance – CSDX0050F0 (continued)

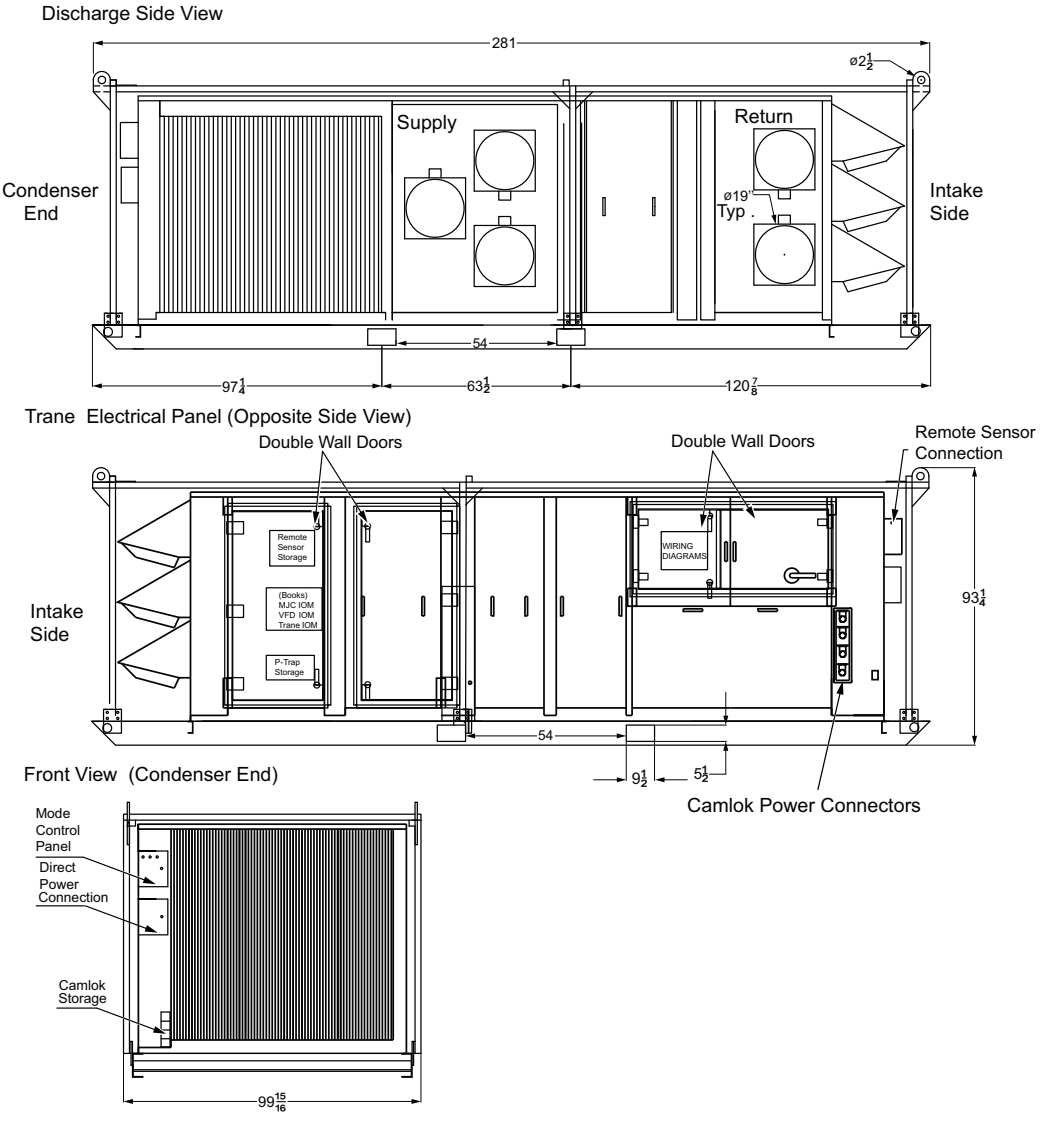
CFM	Temp Rise (°F)
19000	21.8
20000	21.2

Table 86. Sound data – CSDX0050F0

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	99	98	87	89	82	79	75	71
Outdoor Noise (dB)	104	97	96	97	95	93	88	79

Unit Drawings

Figure 19. CSDX0050F0 unit dimensions



Model: CSDX0050F4

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Blower VFD with across the Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Three Stage Cooling and Two Stage Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 87. General data – CSDX0050F4

Lables	Value
Nominal Cooling Tons[a]	50
Heating Capacity	108 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 67.2°F EWB, 400 CFM/Ton.

Table 88. Electrical data – circuit breaker style disconnect – CSDX0050F4

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	232.2 A
Maximum Overcurrent Protection (MOP)	250 A
Cooling Only FLA	112.2 A
Heating Only FLA	160.4 A
Electric Reheat (72 kW Electric Heat + All Cooling) FLA	202.7 A

Table 89. Airflow data – CSDX0050F4

Lables	Value
Supply Motor	20 HP
Nominal CFM	20,000
Minimum/Maximum CFM	15,000 – 20,000
Maximum ESP at Nominal CFM	1.52 in.
Supply Air Connection Qty/Size	(4) 20 in.
Return Air Connection Qty/Size	(4) 20 in.
Merv-8 Throwaway Filter Qty/Size	(17) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	450 ft.
Maximum Supply/Return Duct Run at Maximum CFM	100 ft.

Table 90. Dimensions and weights – CSDX0050F4

Lables	Value
Length	22 ft. 8.875 in.
Width	8 ft. 3.5 in.
Height	7 ft. 11 in.
Shipping Weight	10,360 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	60 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Table 91. Operating clearances – CSDX0050F4

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances provided are for single unit use only, if multiple units are to be placed next to each other reach out to Trane Rental Services for more information.

Figure 20. Fan curve – CSDX0050F4

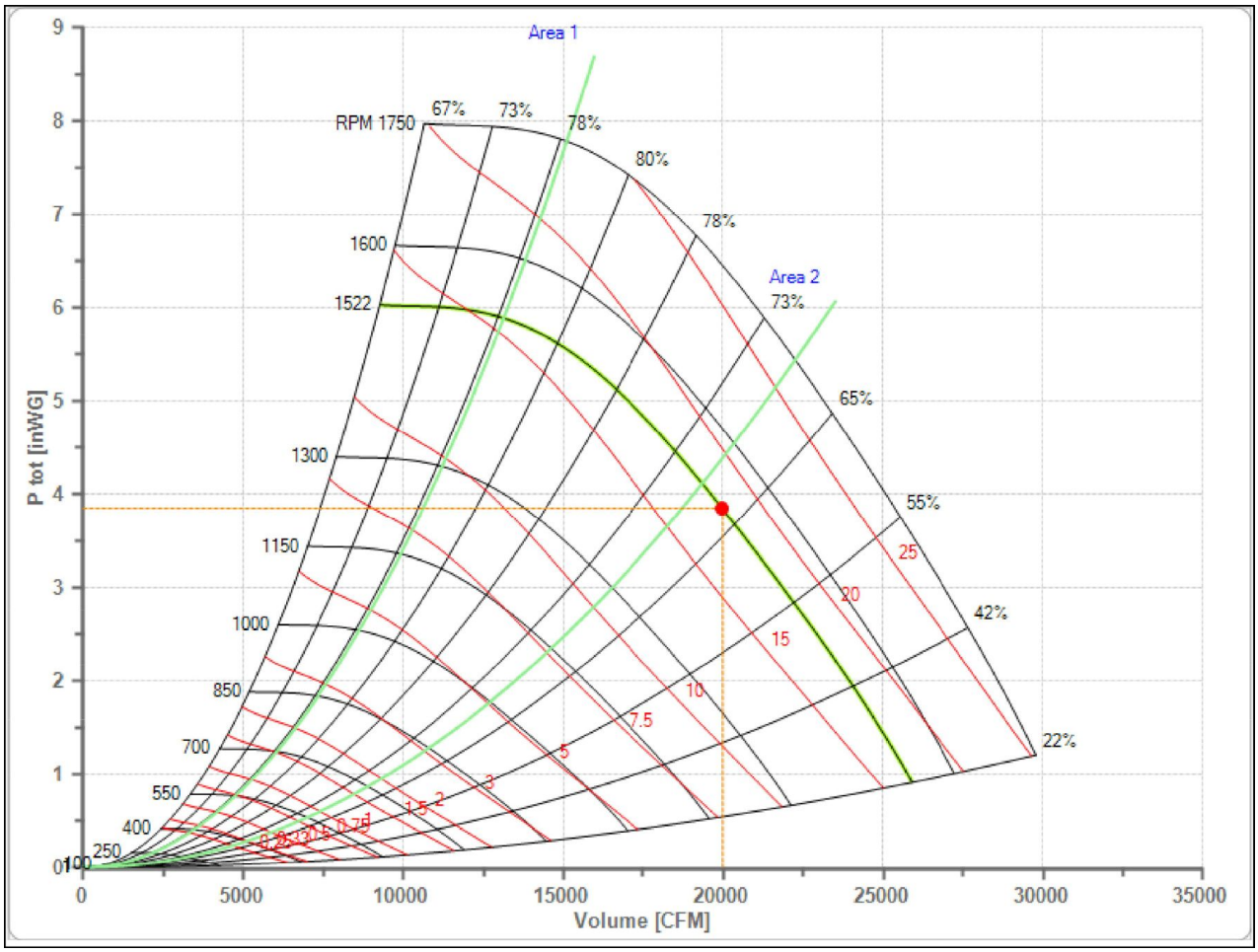


Table 92. Gross cooling capacities – CSDX0050F4

Airflow cfm	Ent DB (° F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	538	438	593	339	650	232	508	421	559	322	612	215
	80	547	522	596	420	654	317	518	504	652	402	617	300
	85	571	571	602	501	657	400	543	543	569	483	620	383
	90	603	603	611	584	660	479	574	574	578	565	623	461
17000	75	552	468	605	359	661	237	520	449	570	341	622	220
	80	562	562	609	446	666	333	534	534	574	428	627	316
	85	595	595	616	538	668	424	565	565	582	519	630	405
	90	627	627	627	627	674	513	597	597	596	596	636	494
18000	75	557	482	610	368	666	240	526	463	574	350	626	222
	80	571	571	614	459	671	341	542	542	579	441	632	323
	85	605	605	622	556	673	435	575	575	588	537	635	416
	90	638	638	638	638	680	529	607	607	606	606	641	510
19000	75	563	496	614	377	670	242	531	477	578	360	630	225
	80	580	580	619	572	675	348	551	551	584	453	636	330
	85	614	614	628	574	678	447	583	583	593	554	639	428
	90	648	648	648	648	685	546	616	616	616	616	646	526
20000	75	568	510	618	387	674	245	535	491	582	369	633	227
	80	589	589	624	485	679	355	558	558	588	465	639	338
	85	623	623	634	591	683	458	592	592	598	572	643	439
	90	657	657	657	657	690	562	624	624	624	624	651	542
Airflow cfm	Ent DB (° F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	476	402	523	304	572	197	441	382	485	286	529	179
	80	484	484	526	382	577	282	454	454	488	362	535	263
	85	514	514	533	463	579	363	482	482	495	443	537	342
	90	543	543	542	542	584	441	509	509	509	509	542	421
17000	75	487	429	532	323	581	202	451	409	493	304	537	184
	80	503	503	537	408	586	298	470	470	498	387	543	279
	85	534	534	545	499	589	386	499	499	506	478	546	365
	90	564	564	563	563	595	474	528	528	528	528	552	453
18000	75	492	444	536	332	584	205	456	423	496	313	540	186
	80	511	511	542	421	590	305	478	478	502	400	544	285
	85	542	542	551	517	594	397	507	507	511	495	550	376
	90	573	573	572	572	600	490	536	536	536	536	557	469
19000	75	496	457	540	341	587	207	460	436	499	315	543	189
	80	519	519	546	433	591	312	485	485	506	412	547	291
	85	550	550	556	534	598	408	514	514	514	514	553	386
	90	581	581	581	581	605	506	544	544	543	543	561	485
20000	75	501	471	542	344	591	209	464	450	502	323	545	191
	80	526	526	550	445	597	320	491	491	509	424	550	297
	85	558	558	561	551	601	419	521	521	521	521	557	397
	90	589	589	588	588	609	522	550	550	550	550	564	500

Notes:

1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 93. Electric heating performance – CSDX0050F4

CFM	Temp Rise (°F)
15000	25.6
16000	24.4
18000	22.5

Table 93. Electric heating performance – CSDX0050F4 (continued)

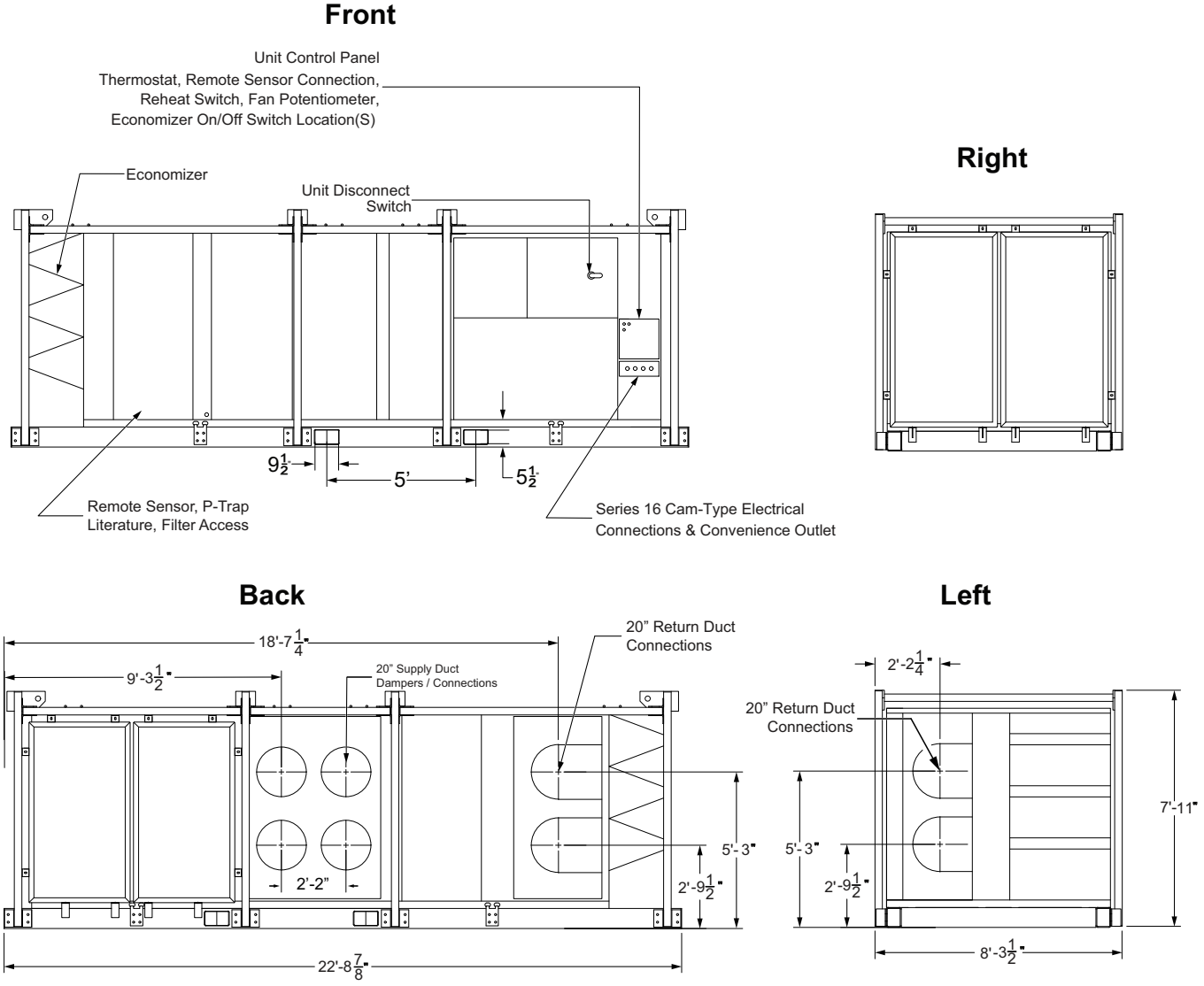
CFM	Temp Rise (°F)
19000	21.8
20000	21.2

Table 94. Sound data – CSDX0050F4

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	99	97	87	88	81	79	74	70
Outdoor Noise (dB)	104	97	96	97	95	93	88	79

Unit Drawings

Figure 21. CSDX0050F4 unit dimensions



Model: CSDX0050F6

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Hot Gas Reheat (Performance available upon request)
- Blower VFD with Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Three Stage Cooling and Two Stage Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 95. General data – CSDX0050F6

Lables	Value
Nominal Cooling Tons[a]	50
Heating Capacity	108 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 67.2°F EWB, 400 CFM/Ton.

Table 96. Electrical data – circuit breaker style disconnect – CSDX0050F6

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	232.2 A
Maximum Overcurrent Protection (MOP)	250 A
Cooling Only FLA	112.2 A
Heating Only FLA	160.4 A
Electric Reheat (72 kW Electric Heat + All Cooling) FLA	202.7 A

Table 97. Airflow data – CSDX0050F6

Lables	Value
Supply Motor	20 HP
Nominal CFM	20,000
Minimum/Maximum CFM	15,000 – 20,000
Maximum ESP at Nominal CFM	1.52 in.
Supply Air Connection Qty/Size	(4) 20 in.
Return Air Connection Qty/Size	(4) 20 in.
Merv-8 Throwaway Filter Qty/Size	(17) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Minimum CFM	450 ft.
Maximum Supply/Return Duct Run at Maximum CFM	100 ft.

Table 98. Dimensions and weights – CSDX0050F6

Lables	F6DV-EM	F6EN-FL
Length	22 ft. 8.875 in.	22 ft. 9.375 in.
Width	8 ft. 3.5 in.	7 ft. 7.125 in
Height	7 ft. 11 in.	7 ft. 4.5 in.
Shipping Weight	10,360 lbs	7,980 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	60 in.	4 ft. 10.25 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Table 99. Operating clearances – CSDX0050F6

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances provided are for single unit use only, if multiple units are to be placed next to each other reach out to Trane Rental Services for more information.

Figure 22. Fan curve – CSDX0050F6

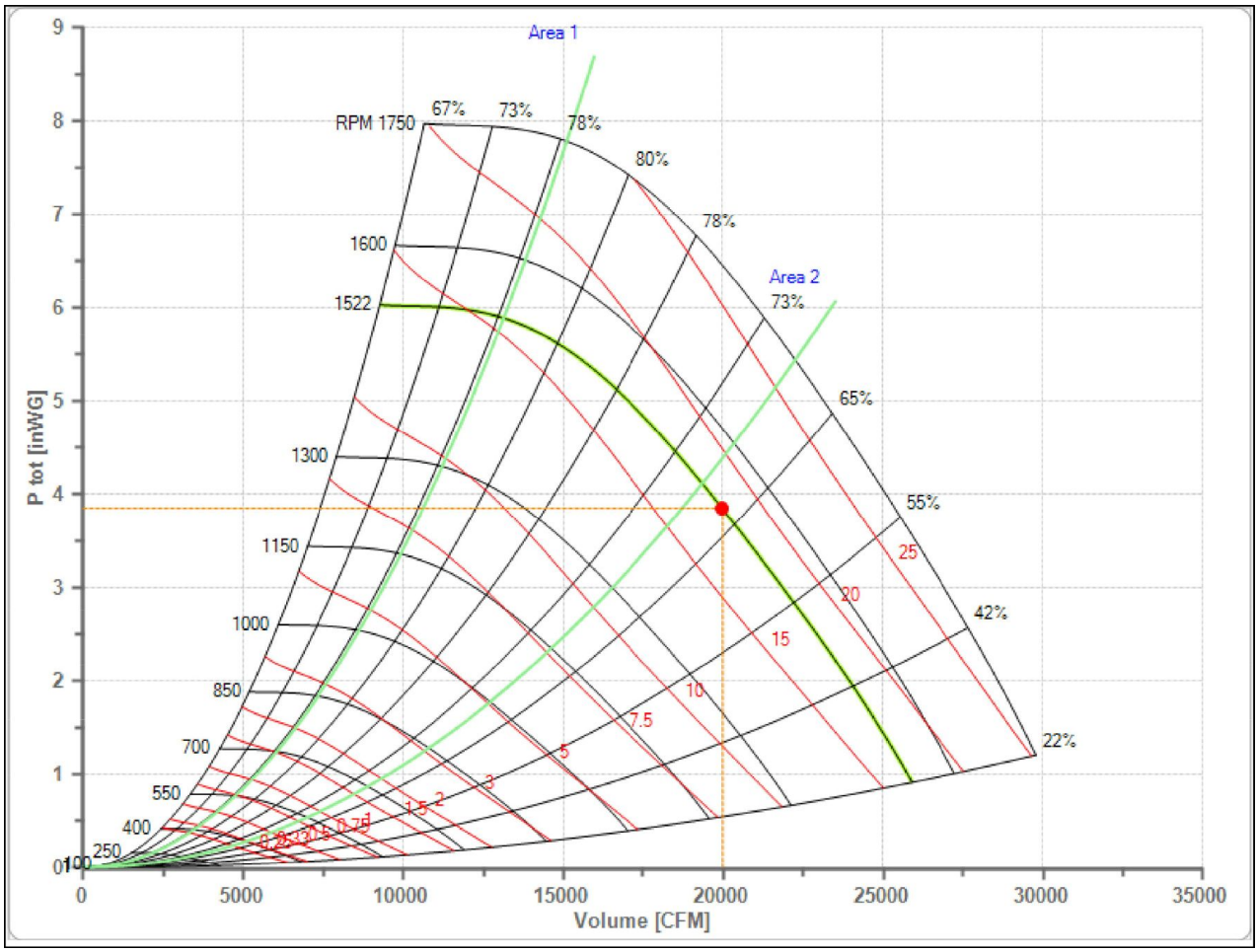


Table 100. Gross cooling capacities – CSDX0050F6

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	538	438	593	339	650	232	508	421	559	322	612	215
	80	547	522	596	420	654	317	518	504	652	402	617	300
	85	571	571	602	501	657	400	543	543	569	483	620	383
	90	603	603	611	584	660	479	574	574	578	565	623	461
17000	75	552	468	605	359	661	237	520	449	570	341	622	220
	80	562	562	609	446	666	333	534	534	574	428	627	316
	85	595	595	616	538	668	424	565	565	582	519	630	405
	90	627	627	627	627	674	513	597	597	596	596	636	494
18000	75	557	482	610	368	666	240	526	463	574	350	626	222
	80	571	571	614	459	671	341	542	542	579	441	632	323
	85	605	605	622	556	673	435	575	575	588	537	635	416
	90	638	638	638	638	680	529	607	607	606	606	641	510
19000	75	563	496	614	377	670	242	531	477	578	360	630	225
	80	580	580	619	572	675	348	551	551	584	453	636	330
	85	614	614	628	574	678	447	583	583	593	554	639	428
	90	648	648	648	648	685	546	616	616	616	616	646	526
20000	75	568	510	618	387	674	245	535	491	582	369	633	227
	80	589	589	624	485	679	355	558	558	588	465	639	338
	85	623	623	634	591	683	458	592	592	598	572	643	439
	90	657	657	657	657	690	562	624	624	624	624	651	542
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	476	402	523	304	572	197	441	382	485	286	529	179
	80	484	484	526	382	577	282	454	454	488	362	535	263
	85	514	514	533	463	579	363	482	482	495	443	537	342
	90	543	543	542	542	584	441	509	509	509	509	542	421
17000	75	487	429	532	323	581	202	451	409	493	304	537	184
	80	503	503	537	408	586	298	470	470	498	387	543	279
	85	534	534	545	499	589	386	499	499	506	478	546	365
	90	564	564	563	563	595	474	528	528	528	528	552	453
18000	75	492	444	536	332	584	205	456	423	496	313	540	186
	80	511	511	542	421	590	305	478	478	502	400	544	285
	85	542	542	551	517	594	397	507	507	511	495	550	376
	90	573	573	572	572	600	490	536	536	536	536	557	469
19000	75	496	457	540	341	587	207	460	436	499	315	543	189
	80	519	519	546	433	591	312	485	485	506	412	547	291
	85	550	550	556	534	598	408	514	514	514	514	553	386
	90	581	581	581	581	605	506	544	544	543	543	561	485
20000	75	501	471	542	344	591	209	464	450	502	323	545	191
	80	526	526	550	445	597	320	491	491	509	424	550	297
	85	558	558	561	551	601	419	521	521	521	521	557	397
	90	589	589	588	588	609	522	550	550	550	550	564	500

Notes:

1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 101. Electric heating performance – CSDX0050F6

CFM	Temp Rise (°F)
15000	25.6
16000	24.4

Table 101. Electric heating performance – CSDX0050F6 (continued)

CFM	Temp Rise (°F)
18000	22.5
19000	21.8
20000	21.2

Table 102. Sound data – CSDX0050F6

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	99	97	87	88	81	79	74	70
Outdoor Noise (dB)	104	97	96	97	95	93	88	79

Unit Drawings

Figure 23. CSDX0050F6DV-EM unit dimensions

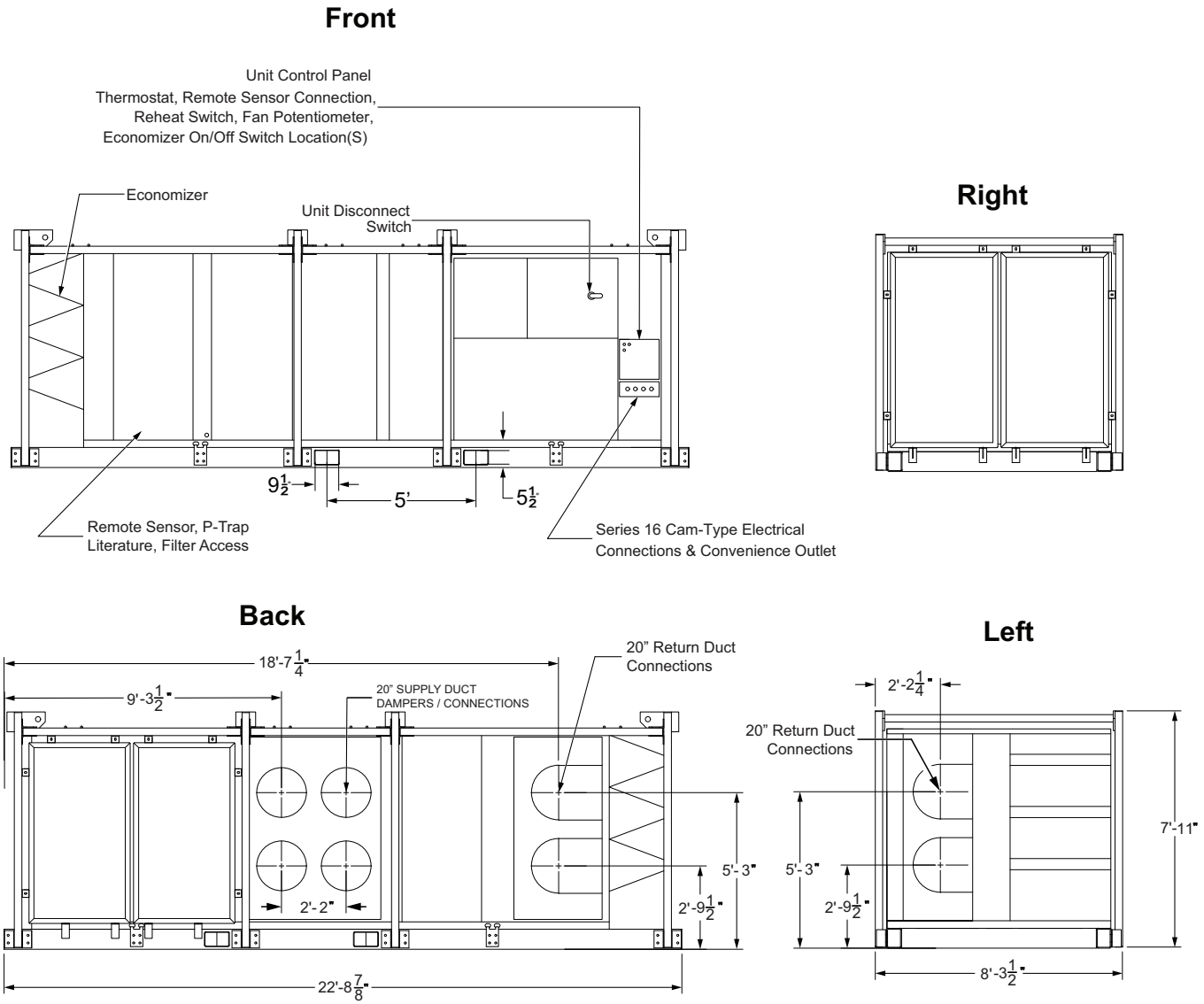
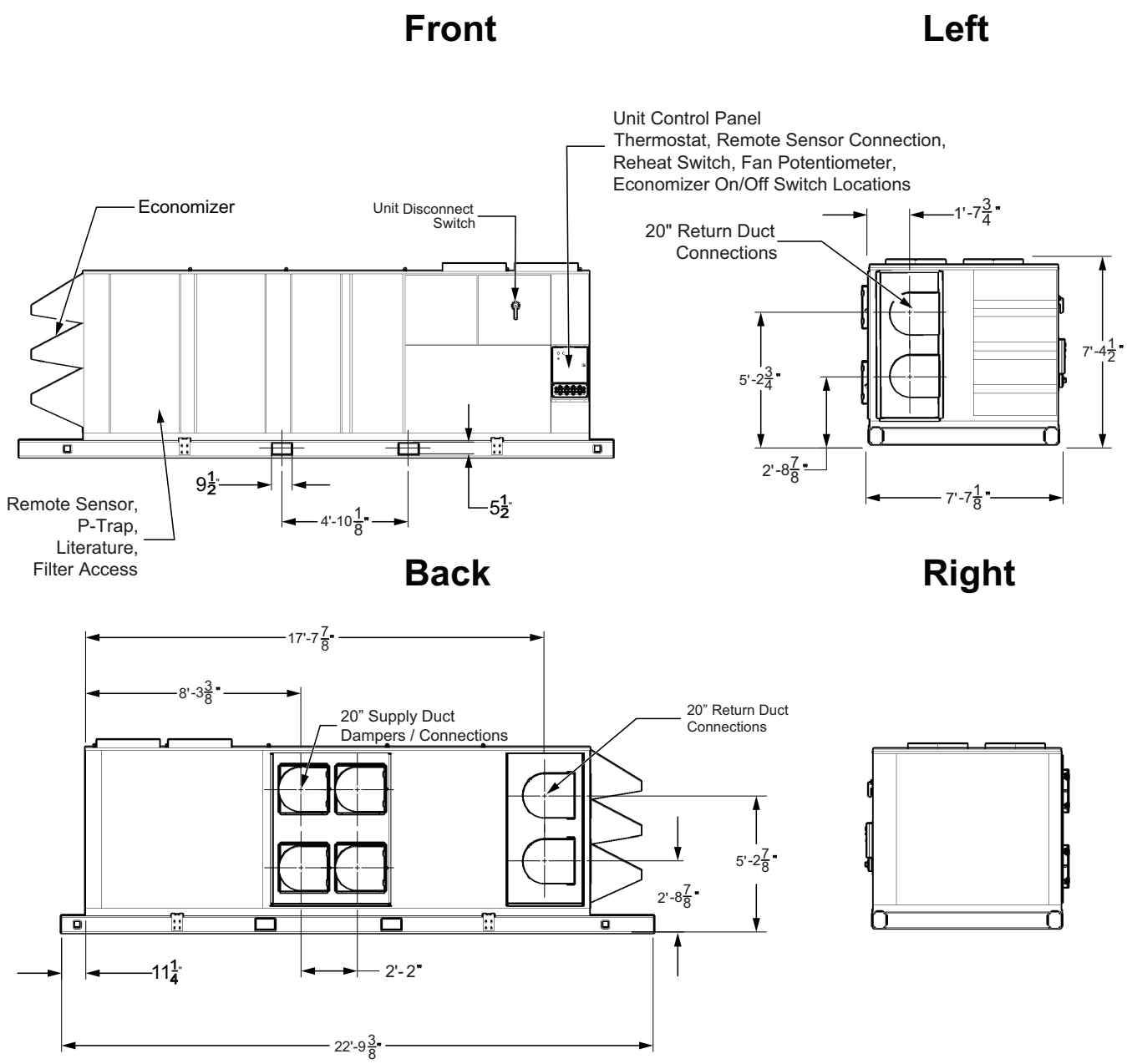


Figure 24. CSDX0050F6EN-FL unit dimensions



Model: RSDX0050F6AA-AJ

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Hot Gas Reheat (Performance available upon request)
- Blower VFD with Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Hinged Service Access
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Symbio™ 700 Trane Controls with BACnet® Interface RS-485 MS/TP (Remote Monitoring Available Upon Request)
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Three Stage Cooling and Two Stage Electric Heat
- Low Ambient Operation Down to 0°F

Table 103. General data – RSDX0050F6AA-AJ

Lables	Value
Nominal Cooling Tons[a]	50
Heating Capacity	108 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 104. Electrical data – circuit breaker style disconnect – RSDX0050F6AA-AJ

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	65 kA
Minimum Circuit Ampacity (MCA)	170 A
Maximum Overcurrent Protection (MOP)	175 A
Cooling Only FLA	123.2 A
Heating Only FLA	166.2 A

Table 105. Airflow data – RSDX0050F6AA-AJ

Lables	Value
Supply Motor	25 HP
Nominal CFM	20,000
Minimum/Maximum CFM	15,000 – 20,000

Table 105. Airflow data – RSDX0050F6AA-AJ (continued)

Lables	Value
Maximum ESP at Nominal CFM	1.70 in.
Supply Air Connection Qty/Size	(4) 20 in.
Return Air Connection Qty/Size	(4) 20 in.
Merv-8 Throwaway Filter Qty/Size	(17) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at 15,000 CFM	730 ft.
Maximum Supply/Return Duct Run at 20,000 CFM	270 ft.

Table 106. Dimensions and weights – RSDX0050F6AA-AJ

Lables	Value
Length	22 ft. 9.38 in.
Width	7 ft. 7.25 in.
Height	7 ft. 4.5 in.
Shipping Weight	8,160 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	5 ft.

Note: Lifting Device: Forklift or crane.

Table 107. Operating clearances – RSDX0050F6AA-AJ

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances provided are for single unit use only, if multiple units are to be placed next to each other reach out to Trane Rental Services for more information.

Figure 25. Fan curve – RSDX0050F6AA-AJ

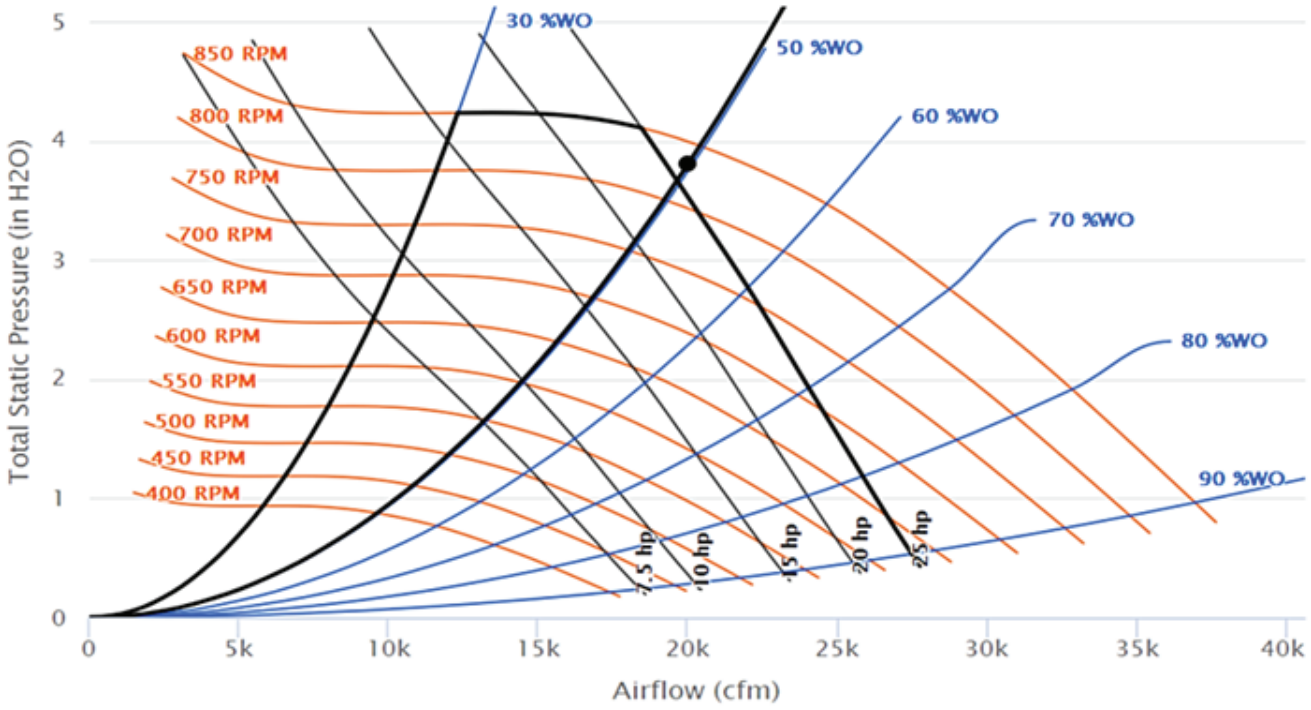


Table 108. Gross cooling capacities – RSDX0050F6AA-AJ

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb (°F)											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	538	438	593	339	650	232	508	421	559	322	612	215
	80	547	522	596	420	654	317	518	504	652	402	617	300
	85	571	571	602	501	657	400	543	543	569	483	620	383
	90	603	603	611	584	660	479	574	574	578	565	623	461
17000	75	552	468	605	359	661	237	520	449	570	341	622	220
	80	562	562	609	446	666	333	534	534	574	428	627	316
	85	595	595	616	538	668	424	565	565	582	519	630	405
	90	627	627	627	627	674	513	597	597	596	596	636	494
18000	75	557	482	610	368	666	240	526	463	574	350	626	222
	80	571	571	614	459	671	341	542	542	579	441	632	323
	85	605	605	622	556	673	435	575	575	588	537	635	416
	90	638	638	638	638	680	529	607	607	606	606	641	510
19000	75	563	496	614	377	670	242	531	477	578	360	630	225
	80	580	580	619	572	675	348	551	551	584	453	636	330
	85	614	614	628	574	678	447	583	583	593	554	639	428
	90	648	648	648	648	685	546	616	616	616	616	646	526
20000	75	568	510	618	387	674	245	535	491	582	369	633	227
	80	589	589	624	485	679	355	558	558	588	465	639	338
	85	623	623	634	591	683	458	592	592	598	572	643	439
	90	657	657	657	657	690	562	624	624	624	624	651	542
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb (°F)											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
15000	75	476	402	523	304	572	197	441	382	485	286	529	179
	80	484	484	526	382	577	282	454	454	488	362	535	263
	85	514	514	533	463	579	363	482	482	495	443	537	342
	90	543	543	542	542	584	441	509	509	509	509	542	421
17000	75	487	429	532	323	581	202	451	409	493	304	537	184
	80	503	503	537	408	586	298	470	470	498	387	543	279
	85	534	534	545	499	589	386	499	499	506	478	546	365
	90	564	564	563	563	595	474	528	528	528	528	552	453
18000	75	492	444	536	332	584	205	456	423	496	313	540	186
	80	511	511	542	421	590	305	478	478	502	400	544	285
	85	542	542	551	517	594	397	507	507	511	495	550	376
	90	573	573	572	572	600	490	536	536	536	536	557	469
19000	75	496	457	540	341	587	207	460	436	499	315	543	189
	80	519	519	546	433	591	312	485	485	506	412	547	291
	85	550	550	556	534	598	408	514	514	514	514	553	386
	90	581	581	581	581	605	506	544	544	543	543	561	485
20000	75	501	471	542	344	591	209	464	450	502	323	545	191
	80	526	526	550	445	597	320	491	491	509	424	550	297
	85	558	558	561	551	601	419	521	521	521	521	557	397
	90	589	589	588	588	609	522	550	550	550	550	564	500

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 109. Electric heating performance – RSDX0050F6AA-AJ

CFM	Temp Rise (°F)
15000	25.6
16000	24.4
18000	22.5

Table 109. Electric heating performance – RSDX0050F6AA-AJ (continued)

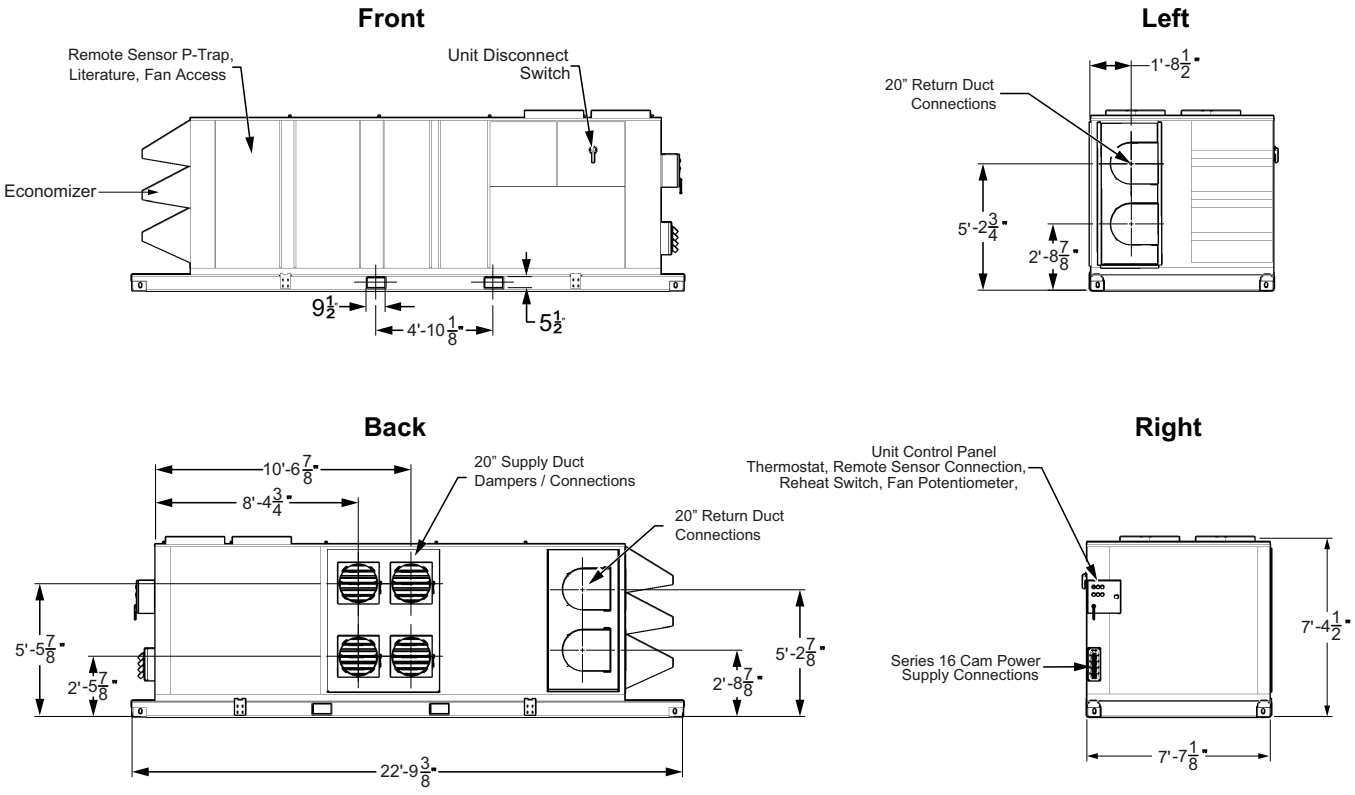
CFM	Temp Rise (°F)
19000	21.8
20000	21.2

Table 110. Sound data – RSDX0050F6AA-AJ

Octave Center Frequency (Hz)								
Sound Path (Hz)	**63**	**125**	**250**	**500**	**1K**	**2K**	**4K**	**8K**
Ducted Discharge (dB)	102	102	90	93	86	82	79	75
Ducted Return (dB)	93	92	85	86	78	80	80	81
Outdoor Noise (dB)	104	97	96	97	95	93	88	79

Unit Drawings

Figure 26. RSDX0050F6AA-AJ unit dimensions



Model: CSHX0035F3

Features

- VFD with Bypass
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Remote Room Sensor
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply/Return Air Dampers
- Two Stage Cooling and Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 111. General data – CSHX0035F3

Lables	Value
Nominal Cooling Tons	35
Heating Capacity	90 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 115°F

Table 112. Electrical data – circuit breaker style disconnect – CSHX0035F3

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Connections or Hardwire (Maximum 350 MCM)
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	179.8 A
Maximum Overcurrent Protection (MOP)	200 A
Cooling Only FLA	78.7 A
Heating Only FLA	130.8 A
Electric Reheat (60 kW Electric Heat + All Cooling) FLA	154.1 A

Table 113. Airflow data – CSHX0035F3

Lables	Value
Supply Motor	15 HP
Nominal CFM	7,000
Maximum ESP at Nominal CFM	5 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Mist Eliminator Pre Filter Qty/Size	(6) 20 in. x 20 in. x 1 in.
Merv-7 Throwaway Filter Qty/Size	(6) 20 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Maximum CFM	650 ft.

Table 114. Dimensions and weights – CSHX0035F3

Lables	Value
Length	17 ft. 7.4 in.
Width	8 ft. 4 in.
Height	7 ft. 2.3 in.
Shipping Weight	7,000 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in. x 94 in.
Center to Center Distance of Fork Pockets	63.5 in.

Notes:
1. Lifting Device: Forklift or crane.
2. Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Table 115. Operating clearances – CSHX0035F3

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances provided are for single unit use only, if multiple units are to be placed next to each other reach out to Trane Rental Services for more information.

Figure 27. Fan curve – CSHX0035F3

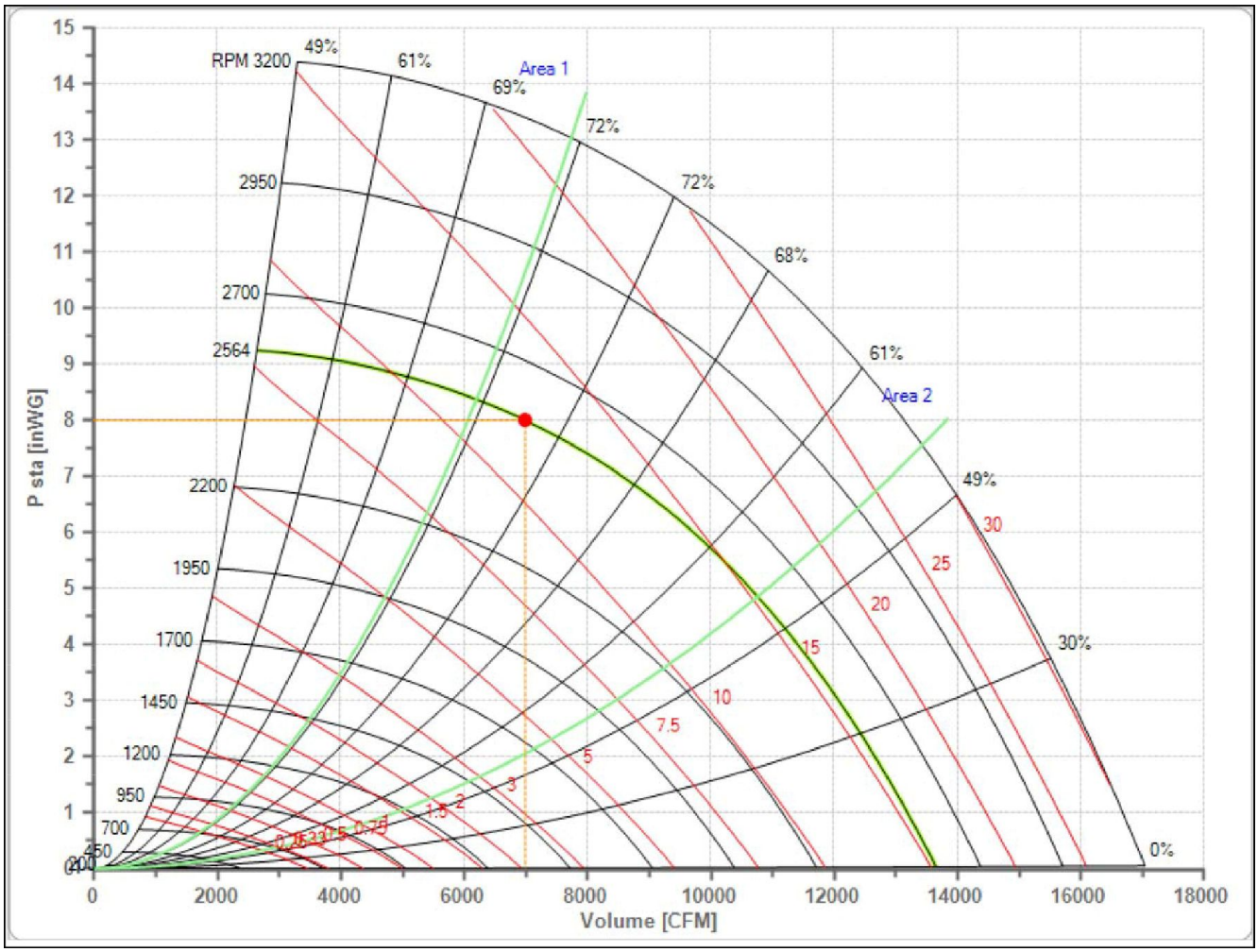


Table 116. Gross cooling capacities – CSHX0035F3

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
7000	75	—	—	356	177	408	133	—	—	348	174	396	127
	80	—	—	359	218	407	170	—	—	349	213	396	165
	85	333	307	359	256	404	207	325	302	352	252	396	204
	90	350	346	367	297	—	—	341	337	360	294	511	290
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
7000	75	—	—	321.3	162	365	115	—	—	302	153	343	106
	80	—	—	323.19	201	365	153	276	239	303	192	343	144
	85	303	289	325	240	365	191	287	280	306	232	343	183
	90	320	316	334	279	—	—	305	301	316	271	344	221

Notes:

1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 117. Electric heating performance – CSHX0035F3

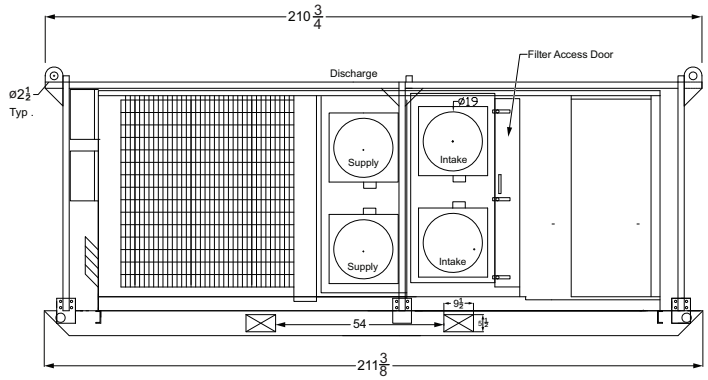
CFM	Temp Rise (°F)
7000	40

Table 118. Sound data – CSHX0035F3

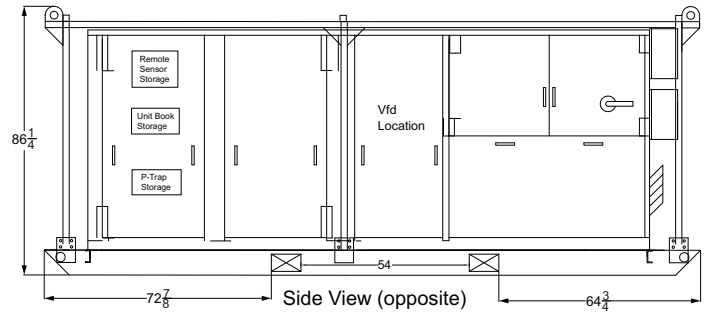
Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	89	95	95	91	91	84	77	71
Outdoor Noise (dB)	100	96	97	96	93	89	90	83

Unit Drawings

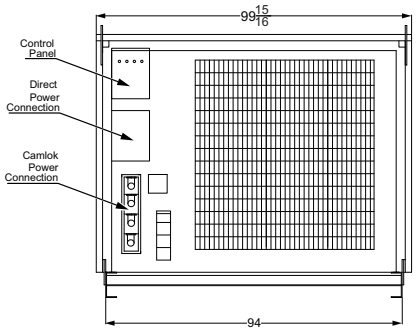
Figure 28. CSHX0035F3 unit dimensions



Side View



Side View (opposite)



Front View

Model: CSHX0035F4

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Blower VFD with Line bypass
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Two Stage Cooling and Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 119. General data – CSHX0035F4

Lables	Value
Nominal Cooling Tons	35
Heating Capacity	90 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

Table 120. Electrical data – circuit breaker style disconnect – CSHX0035F4

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	180.1 A
Maximum Overcurrent Protection (MOP)	200 A
Cooling Only FLA	79.0 A
Heating Only FLA	131.1 A
Electric Reheat (60 kW Electric Heat + All Cooling) FLA	154.1 A

Table 121. Airflow data – CSHX0035F4

Lables	Value
Supply Motor	15 HP
Nominal CFM	7000
Maximum ESP at Nominal CFM	5 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-7 Throwaway Filter Qty/Size	(16) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Maximum CFM	650 ft.

Table 122. Dimensions and weights – CSHX0035F4

Lables	F4BC-BE	F4BF-BR
Length	18 ft. 4 in.	18 ft. 4 in.
Width	8 ft. 3.625 in.	7 ft. 7.25 in.
Height	7 ft. 4.5 in.	6 ft. 9.75 in.
Shipping Weight	7,900 lbs	6,520 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	60 in.	4 ft. 10.25 in.

Notes:

1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see Voyager™ 3 Installation, Operation, and Maintenance (RT-SVX34*-EN).

Table 123. Operating clearances – CSHX0035F4

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 29. Fan curve – CSHX0035F4

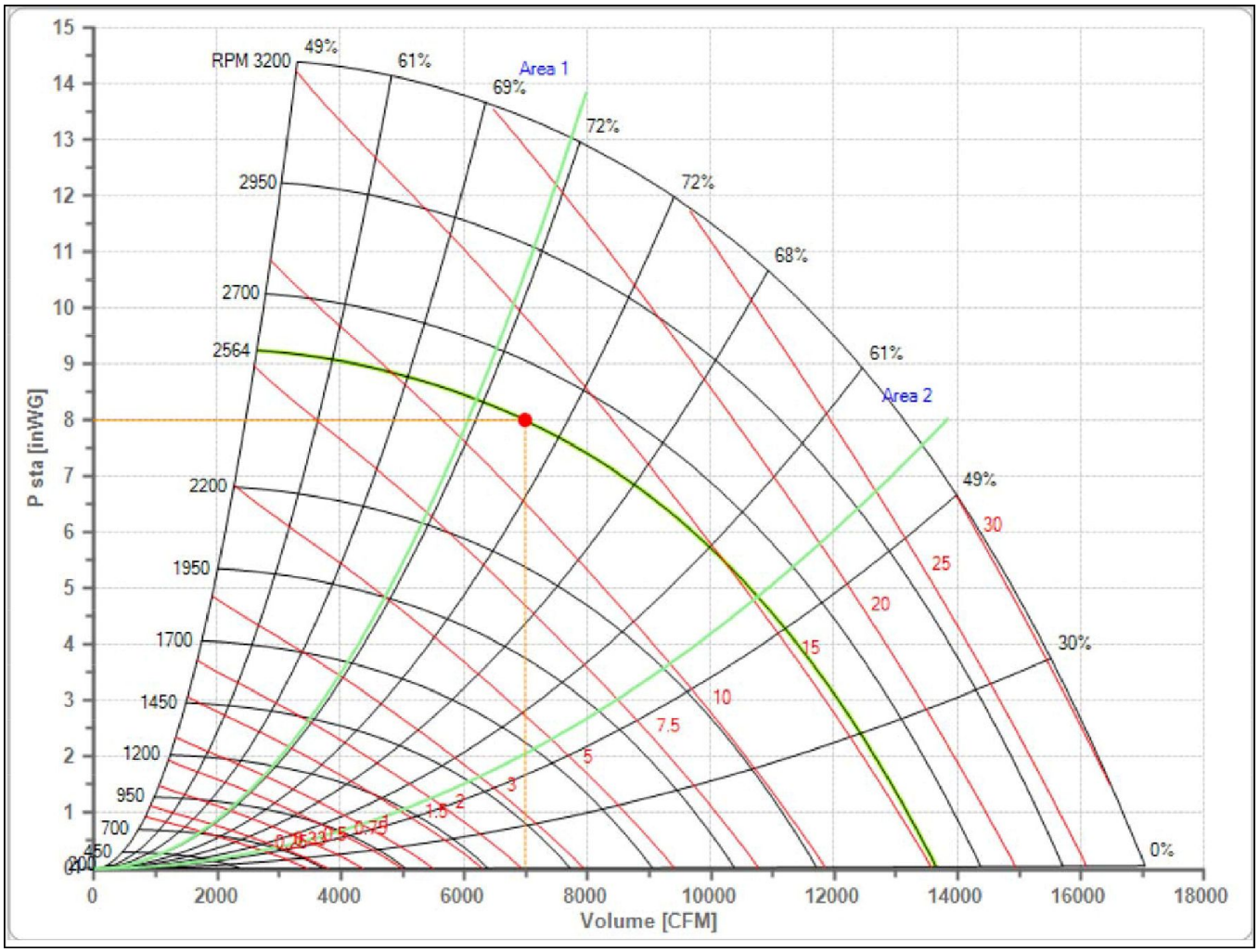


Table 124. Gross cooling capacities – CSHX0035F4

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
7000	75	—	—	356	177	408	133	—	—	348	174	396	127
	80	—	—	359	218	407	170	—	—	349	213	396	165
	85	333	307	359	256	404	207	325	302	352	252	396	204
	90	350	346	367	297	—	—	341	337	360	294	511	290
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
7000	75	—	—	321.3	162	365	115	—	—	302	153	343	106
	80	—	—	323.19	201	365	153	276	239	303	192	343	144
	85	303	289	325	240	365	191	287	280	306	232	343	183
	90	320	316	334	279	—	—	305	301	316	271	344	221

Notes:

1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 125. Electric heating performance – CSHX0035F4

CFM	Temp Rise (°F)
7000	40

Table 126. Sound data – CSHX0035F4

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	89	95	95	91	91	84	77	71
Outdoor Noise (dB)	100	96	97	96	93	89	90	83

Unit Drawings

Figure 30. CSHX0035F4BC-BE unit dimensions

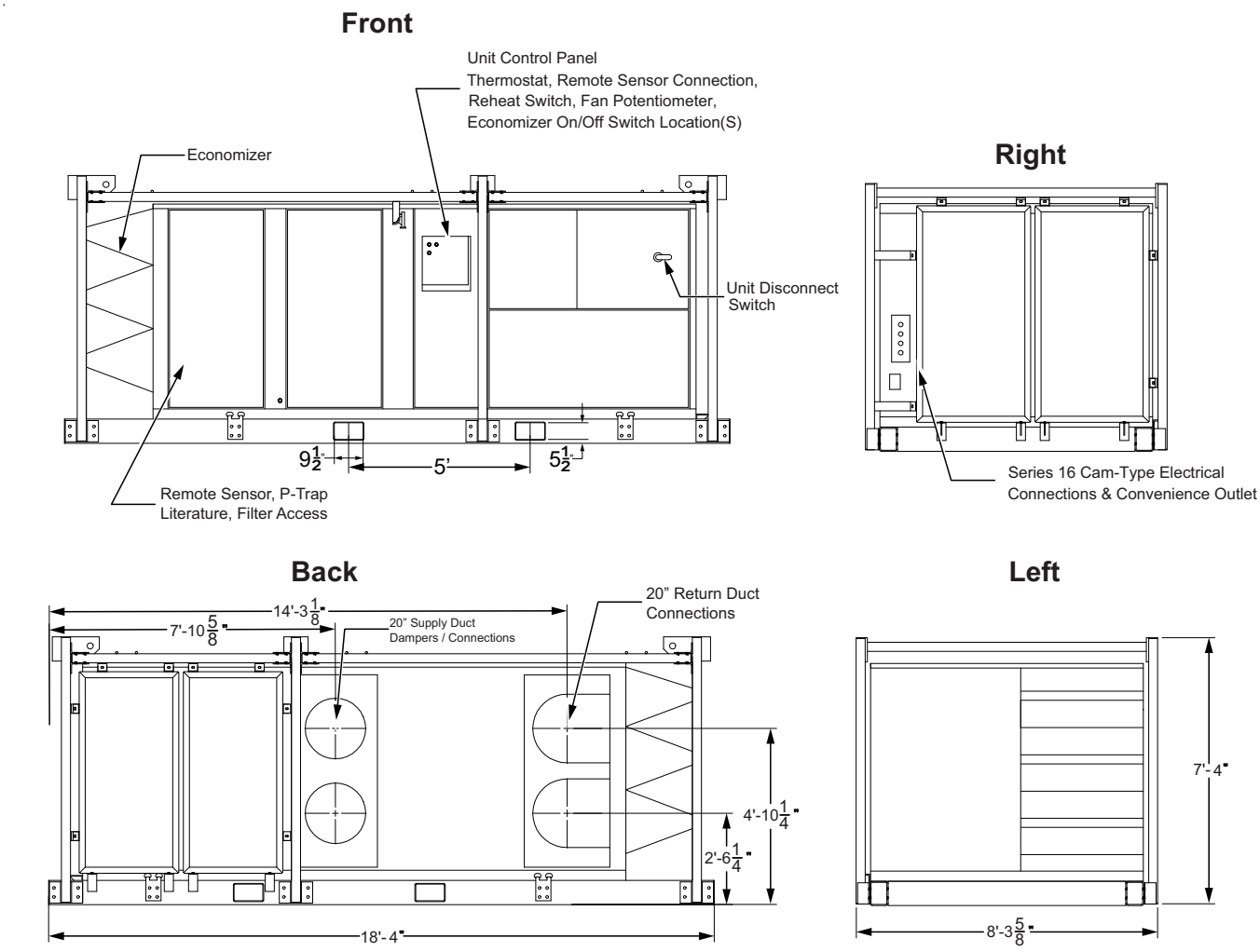
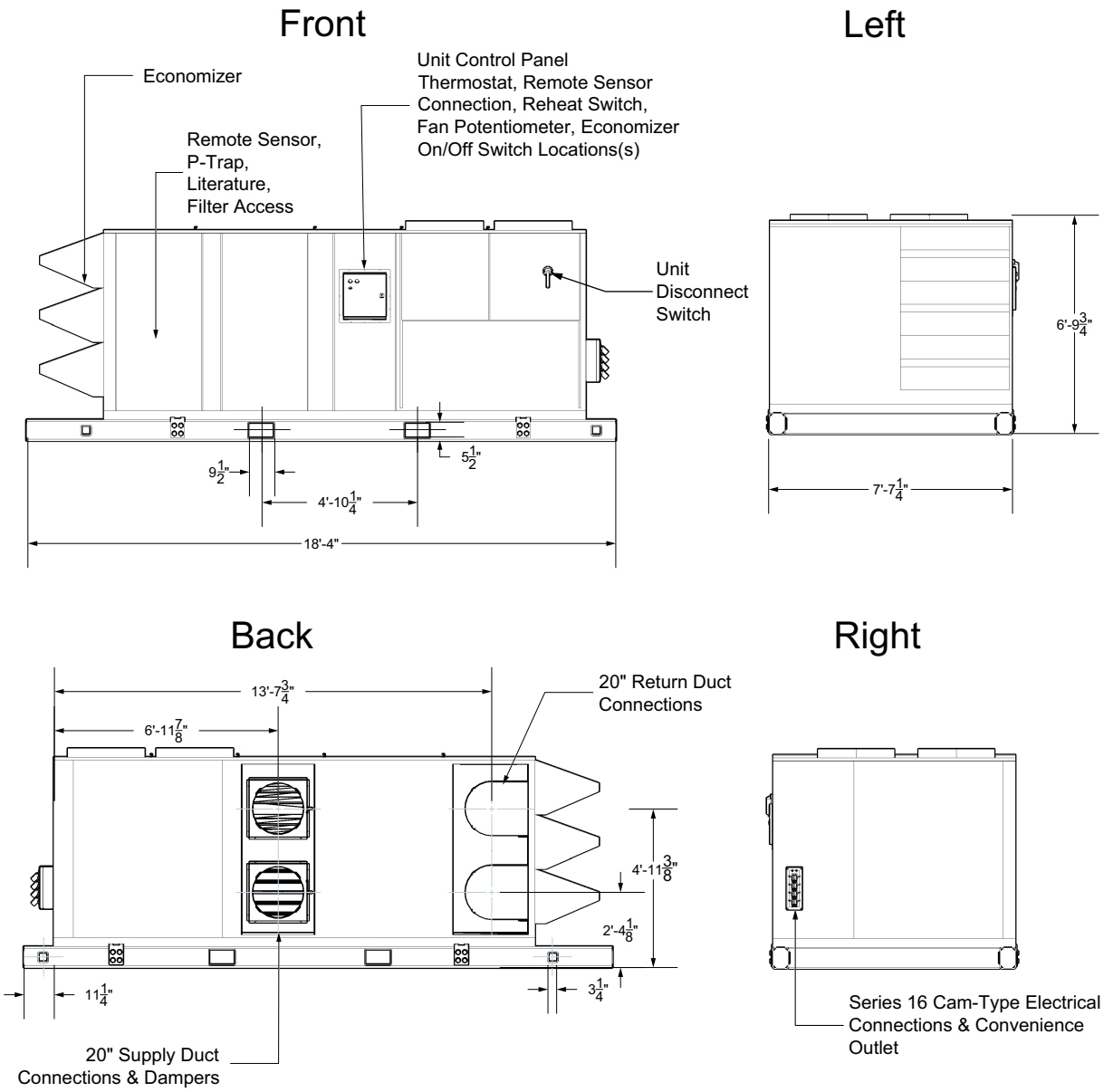


Figure 31. CSHX0035F4BF-BR unit dimensions



Model: RSHX0035F4AA-AO

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Blower VFD with Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Hinged Service Access
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Symbio™ 700 Trane Controls with BACnet® Interface RS-485 MS/TP (Remote Monitoring Available Upon Request)
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Three Stage Cooling and Two Stage Heating
- Low Ambient Operation Down to 0°F

Table 127. General data – RSHX0035F4AA-AO

Lables	Value
Nominal Cooling Tons[a]	35
Heating Capacity	90 kW
Refrigerant	R-410A
Refrigerant Charge	38.3 lbs
Number of Refrigerant Circuits	1
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 128. Electrical data – circuit breaker style disconnect – RSHX0035F4AA-AO

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	65 kA
Minimum Circuit Ampacity (MCA)	193.6 A
Maximum Overcurrent Protection (MOP)	200 A
Cooling Only FLA	93.4 A
Heating Only FLA	137.8 A
Electric Reheat (72 kW Electric Heat + All Cooling) FLA	168.8 A

Table 129. Airflow data – RSHX0035F4AA-AO

Lables	Value
Supply Motor	15 HP
Nominal CFM	7000
Maximum ESP at Nominal CFM	5 in.
Supply Air Connection Qty/Size	(2) 20 in.
Return Air Connection Qty/Size	(2) 20 in.
Merv-8 Throwaway Filter Qty/Size	(16) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Maximum CFM	650 ft.

Table 130. Dimensions and weights – RSHX0035F4AA-AO

Lables	Value
Length	18 ft. 4 in.
Width	7 ft. 7.25 in.
Height	6 ft. 9.75 in.
Shipping Weight	6,580 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	4 ft. 10.375 in.

Note: Lifting Device: Forklift or crane.

Table 131. Operating clearances – RSHX0035F4AA-AO

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 32. Fan curve – RSHX0035F4AA-AO

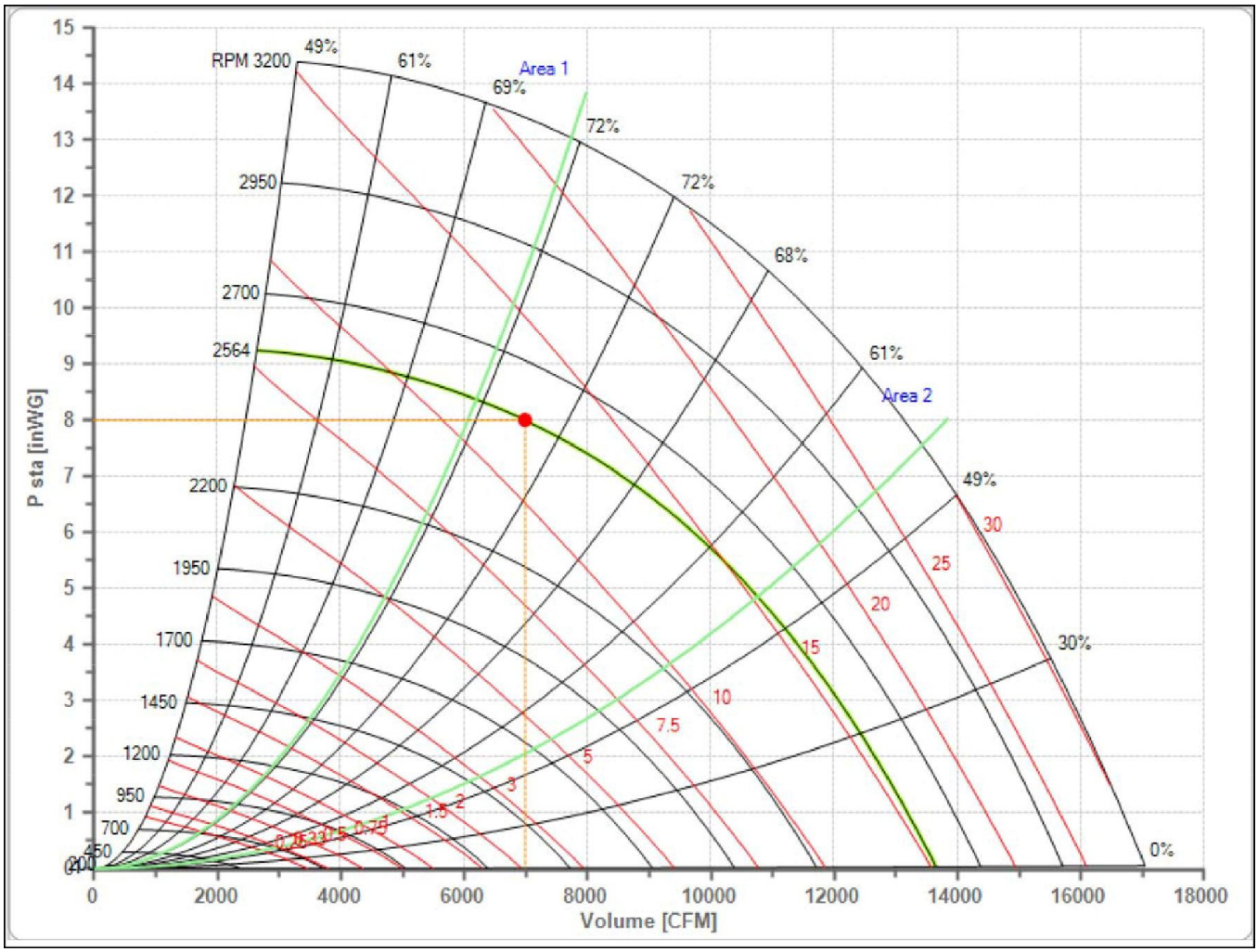


Table 132. Gross cooling capacities – RSHX0035F4AA-AO

Airflow cfm	Ent DB (° F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
7000	75	—	—	356	177	408	133	—	—	348	174	396	127
	80	—	—	359	218	407	170	—	—	349	213	396	165
	85	333	307	359	256	404	207	325	302	352	252	396	204
	90	350	346	367	297	—	—	341	337	360	294	511	290
Airflow cfm	Ent DB (° F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
7000	75	—	—	321.3	162	365	115	—	—	302	153	343	106
	80	—	—	323.19	201	365	153	276	239	303	192	343	144
	85	303	289	325	240	365	191	287	280	306	232	343	183
	90	320	316	334	279	—	—	305	301	316	271	344	221

Notes:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 133. Electric heating performance – RSHX0035F4AA-AO

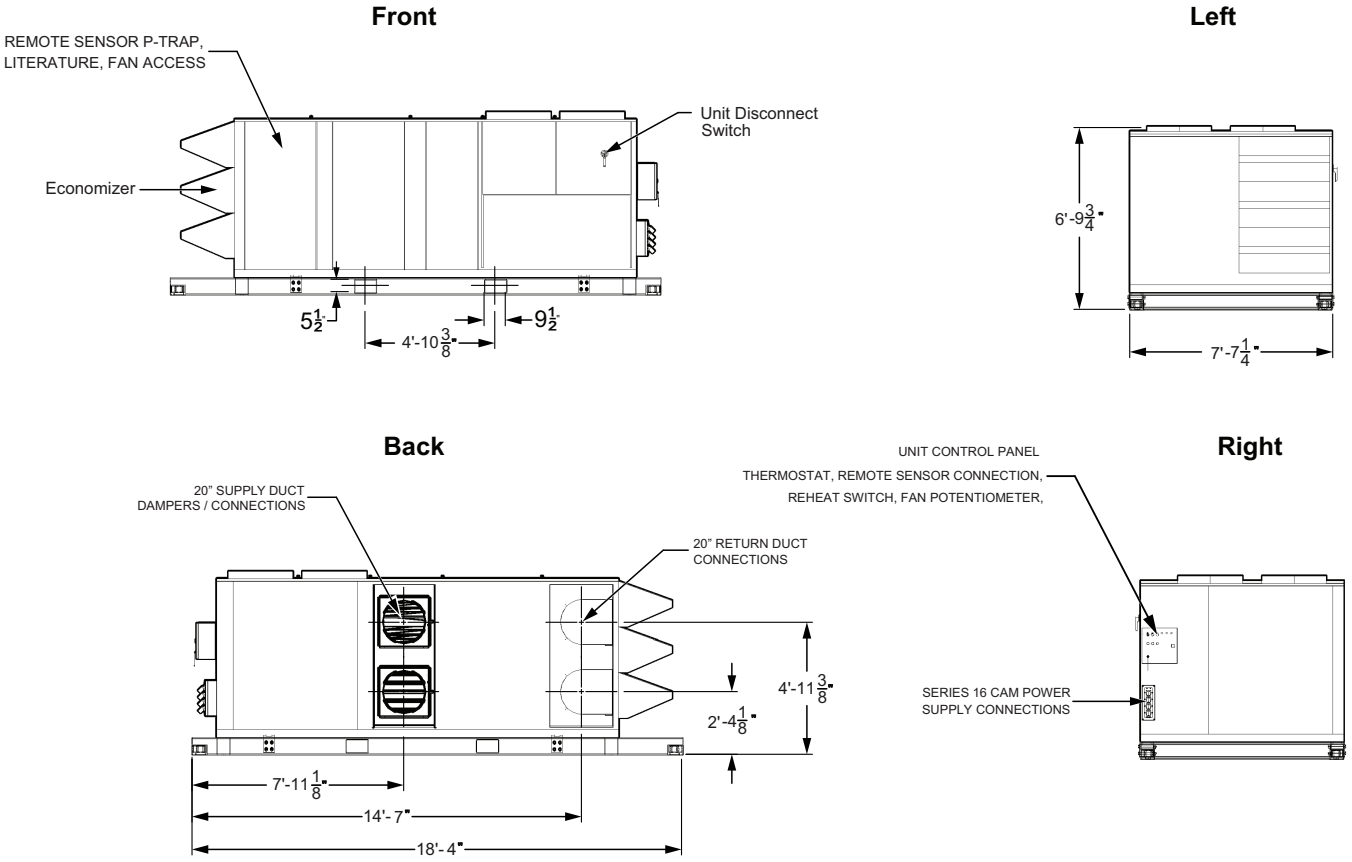
CFM	Temp Rise (°F)
7000	40

Table 134. Sound data – RSHX0035F4AA-AO

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	89	95	95	91	91	84	77	71
Outdoor Noise (dB)	100	96	97	96	93	89	90	83

Unit Drawings

Figure 33. RSHX0035F4AA-AO unit dimensions



Model: CSHX0050F3

Features

- VFD with Bypass
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Remote Room Sensor
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply/Return Air Dampers
- Three Stage Cooling and Two Stage Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 135. General data – CSHX0050F3

Lables	Value
Nominal Cooling Tons	50
Heating Capacity	108 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

Table 136. Electrical data – circuit breaker style disconnect – CSHX0050F3

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Connections or Hardwire (Maximum 350 MCM)
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	240.5 A
Maximum Overcurrent Protection (MOP)	250 A
Cooling Only FLA	120.6 A
Heating Only FLA	160.4 A
Reheat	211.1 A

Table 137. Airflow data – CSHX0050F3

Lables	Value
Supply Motor	20 HP
Nominal CFM	10,000

Table 137. Airflow data – CSHX0050F3 (continued)

Lables	Value
Maximum ESP at Nominal CFM	5 in.
Supply Air Connection Qty/Size	(3) 20 in.
Return Air Connection Qty/Size	(3 or 2) 20 in.
Mist Eliminator Pre Filter Qty/Size	(4) 16 in. x 20 in. x 1 in. and (4) 16 in. x 25 in. x 1 in.
Merv-7 Throwaway Filter Qty/Size	(4) 16 in. x 20 in. x 2 in. and (4) 16 in. x 25 in. x 2 in.
Maximum Supply/Return Duct Run at Maximum CFM	425 ft.

Table 138. Dimensions and weights – CSHX0050F3

Lables	Value
Length	22 ft. 1 in.
Width	8 ft. 4 in.
Height	7 ft. 9.34 in.
Shipping Weight	8,300 lbs
Fork Pocket Dimensions	9.25 in. x 5.25 in. x 84 in.
Center to Center Distance of Fork Pockets	63.25 in.

Notes:
1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see *Voyager™ 3 Installation, Operation, and Maintenance* (RT-SVX34*-EN).

Table 139. Operating clearances – CSHX0050F3

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 34. Fan curve – CSHX0050F3

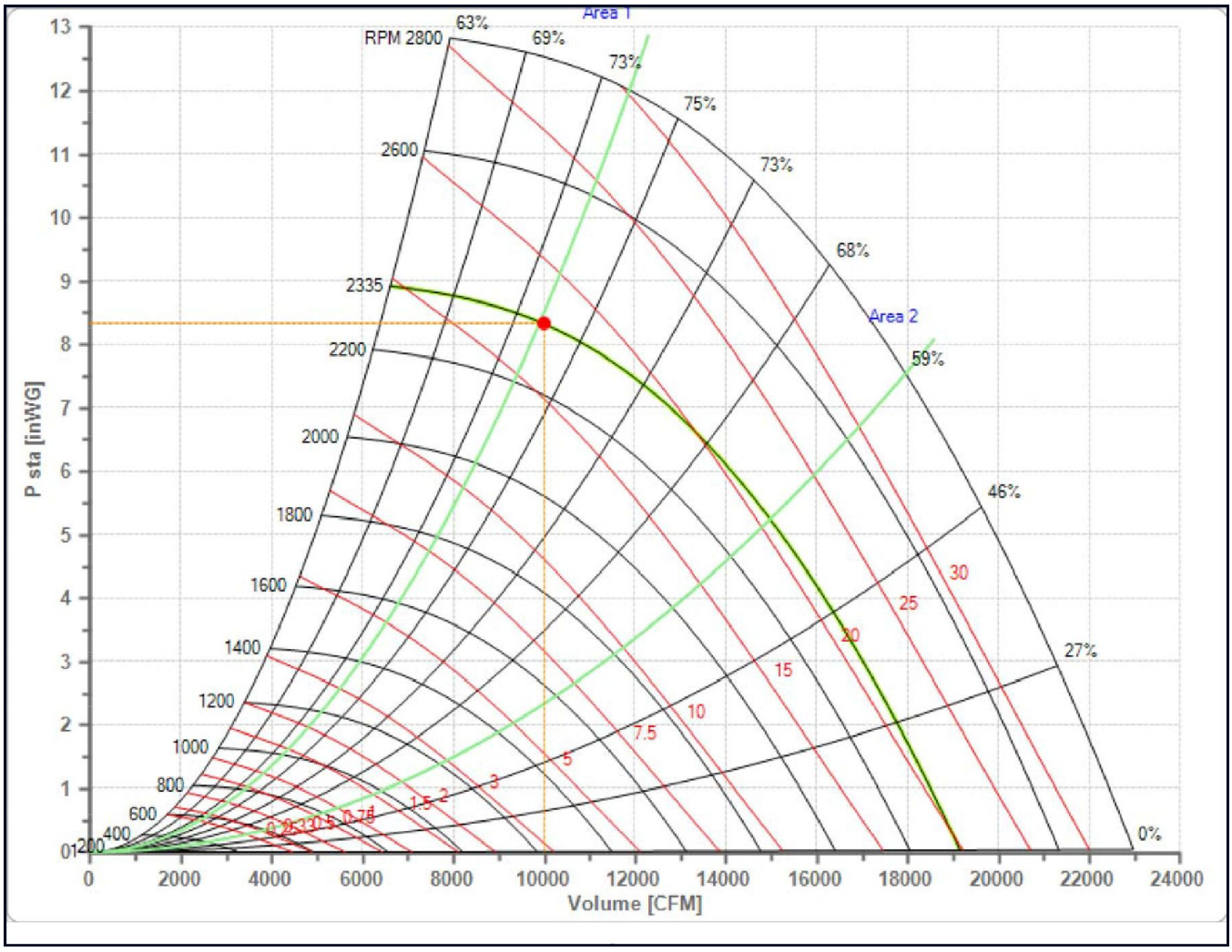


Table 140. Gross cooling capacities – CSHX0050F3

Airflow cfm	Ent DB (° F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10000	75	—	—	518	258	592	192	—	—	495	247	565	181
	80	—	—	520	314	592	247	—	—	496	868	564	303
	85	476	439	524	371	592	302	463	432	500	360	565	291
	90	502	499	536	430	—	—	488	481	513	419	—	—
Airflow cfm	Ent DB (° F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10000	75	—	—	468	236	535	169	—	—	442	224	504	158
	80	—	—	470	292	535	224	399	345	444	280	504	213
	85	442	420	475	348	536	280	420	408	449	337	505	268
	90	468	462	490	407	—	—	447	440	464	395	507	324

Notes:

1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 141. Electric heating performance – CSHX0050F3

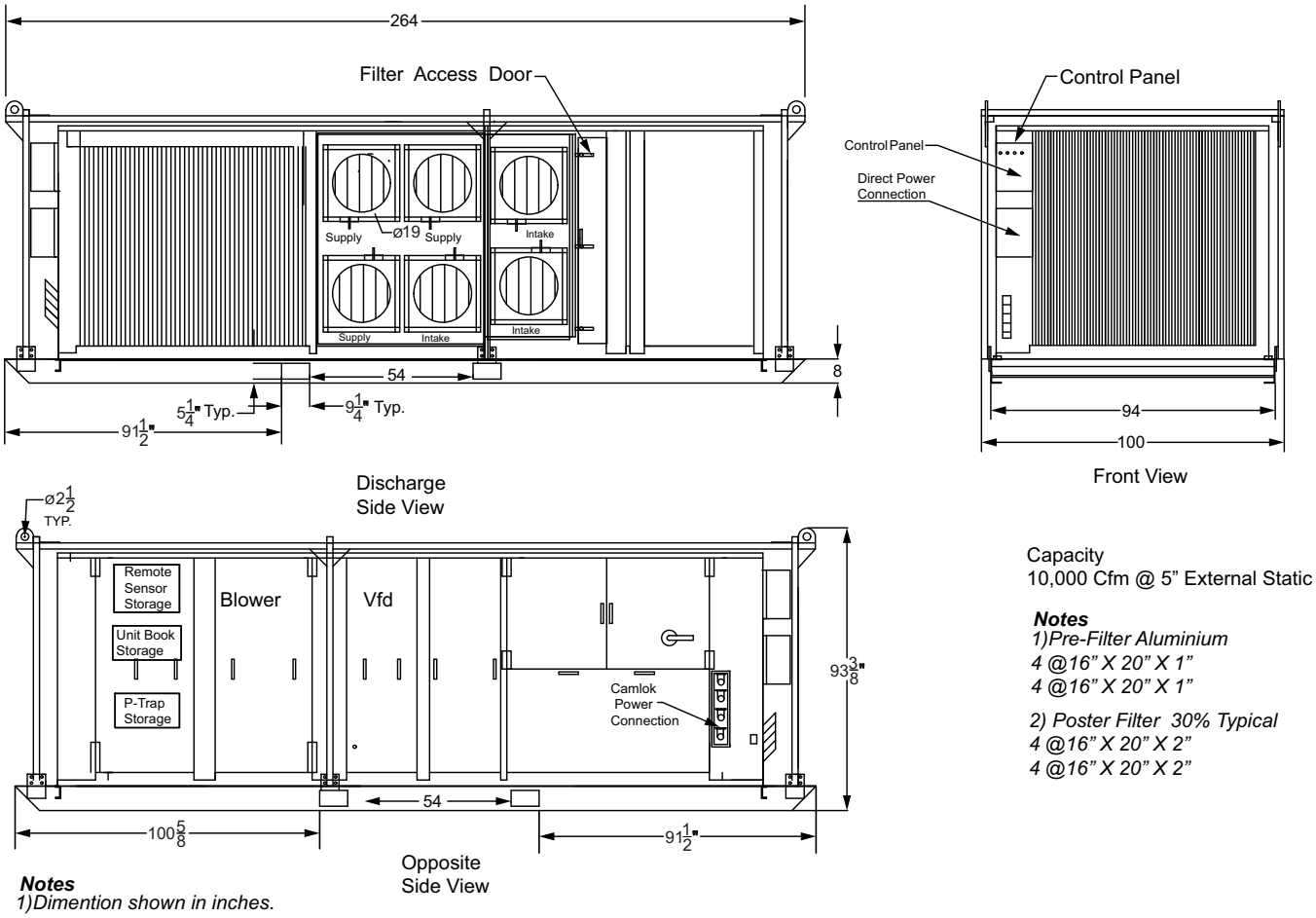
CFM	Temp Rise (°F)
10000	34

Table 142. Sound data – CSHX0050F3

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	99	97	90	93	90	84	76	70
Outdoor Noise (dB)	104	97	96	97	95	93	88	79

Unit Drawings

Figure 35. CSHX0050F3 unit dimensions



Notes

1)Dimention shown in inches.
2)Base ends are slanted 45°.
3)Total weight of unit in base and lifting frame is approximately 7500lbs.

Capacity
10,000 Cfm @ 5" External Static

Notes

1)Pre-Filter Aluminium
4 @16" X 20" X 1"
4 @16" X 20" X 1"

2) Poster Filter 30% Typical
4 @16" X 20" X 2"
4 @16" X 20" X 2"

Model: CSHX0050F4

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Blower VFD with Line Bypass
- Hinged Service Access
- Electric Heat with Reheat Option
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Trane BACnet® Control Interface RS-485 MS/TP and Remote Monitoring Available Upon Request
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Three Stage Cooling and Two Stage Heating
- Low Ambient Operation Down to 0°F
- ReliaTel™ Trane Controls

Table 143. General data – CSHX0050F4

Lables	Value
Nominal Cooling Tons	50
Heating Capacity	108 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

Table 144. Electrical data – circuit breaker style disconnect – CSHX0050F4

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	232.2 A
Maximum Overcurrent Protection (MOP)	250 A
Cooling Only FLA	112.2 A
Heating Only FLA	160.4 A
Electric Reheat (72 kW Electric Heat + All Cooling) FLA	202.7 A

Table 145. Airflow data – CSHX0050F4

Lables	Value
Supply Motor	20 HP
Nominal CFM	10,000
Maximum ESP at Nominal CFM	5 in.
Supply Air Connection Qty/Size	(4) 20 in.
Return Air Connection Qty/Size	(4) 20 in.
Merv-8 Throwaway Filter Qty/Size	(17) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Maximum CFM	1250 ft.

Table 146. Dimensions and weights – CSHX0050F4

Lables	F4BT-BW	F4BX-DH
Length	22 ft. 8.875 in.	22 ft. 9.375 in.
Width	8 ft. 3.5 in.	7 ft. 7.125 in
Height	7 ft. 11 in.	7 ft. 4.5 in.
Shipping Weight	10,360 lbs	8,160 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	60 in.	4 ft. 10.25 in.

Notes:
1. Lifting Device: Forklift or crane.
2. Confirm all dimensions and weights with TRS turnkey facility because this data might not match what is listed in this document.
3. For additional installation information, see *Voyager™ 3 Installation, Operation, and Maintenance* (RT-SVX34*-EN).

Table 147. Operating clearances – CSHX0050F4

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 36. Fan curve – CSHX0050F4

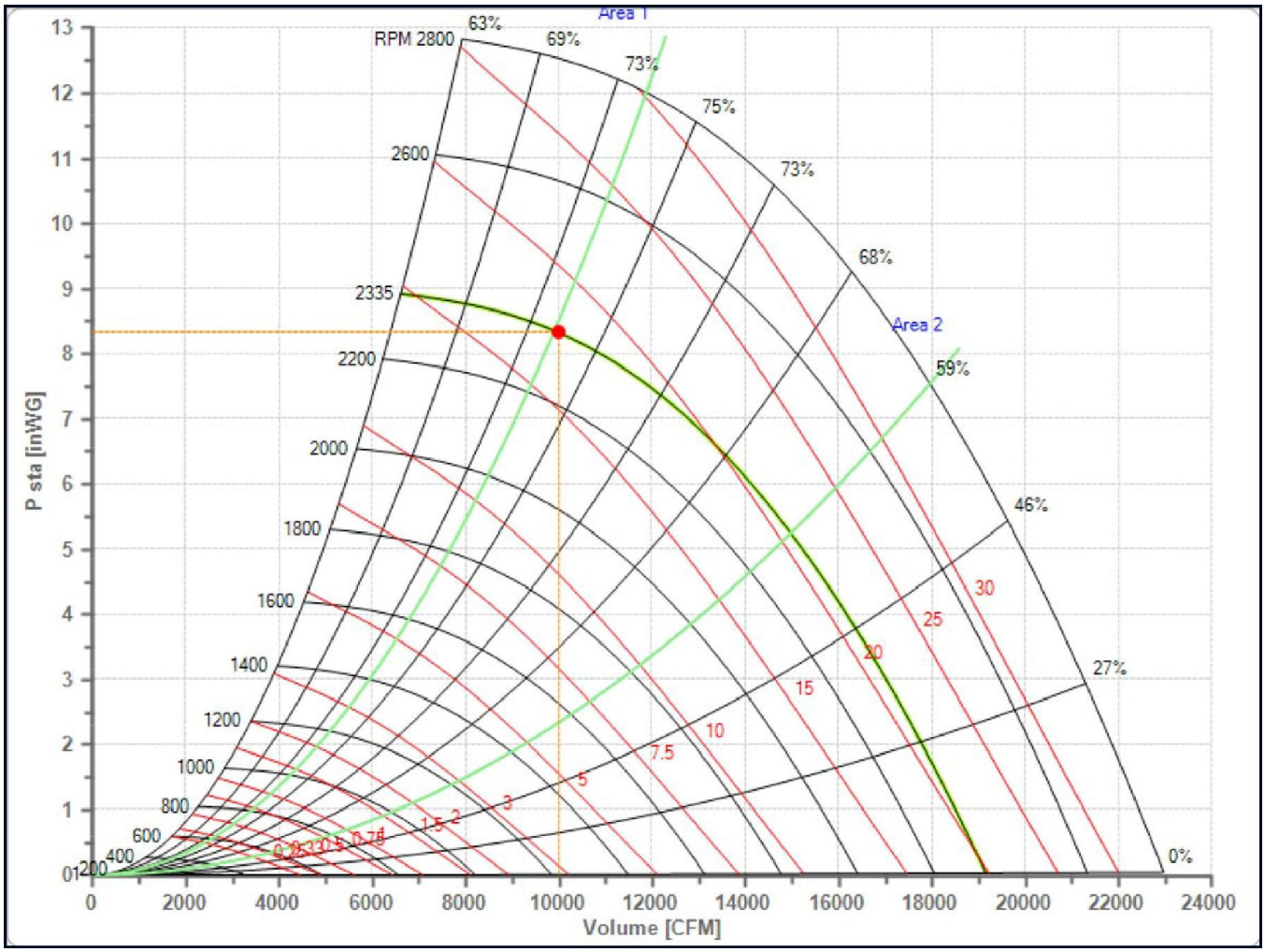


Table 148. Gross cooling capacities – CSHX0050F4

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10000	75	—	—	518	258	592	192	—	—	495	247	565	181
	80	—	—	520	314	592	247	—	—	496	868	564	303
	85	476	439	524	371	592	302	463	432	500	360	565	291
	90	502	499	536	430	—	—	488	481	513	419	—	—
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10000	75	—	—	468	236	535	169	—	—	442	224	504	158
	80	—	—	470	292	535	224	399	345	444	280	504	213
	85	442	420	475	348	536	280	420	408	449	337	505	268
	90	468	462	490	407	—	—	447	440	464	395	507	324

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 149. Electric heating performance – CSHX0050F4

CFM	Temp Rise (°F)
10000	34

Table 150. Sound data – CSHX0050F4

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	99	97	90	93	90	84	76	70
Outdoor Noise (dB)	104	97	96	97	95	93	88	79

Unit Drawings

Figure 37. CSHX0050F4BT-BW unit dimensions

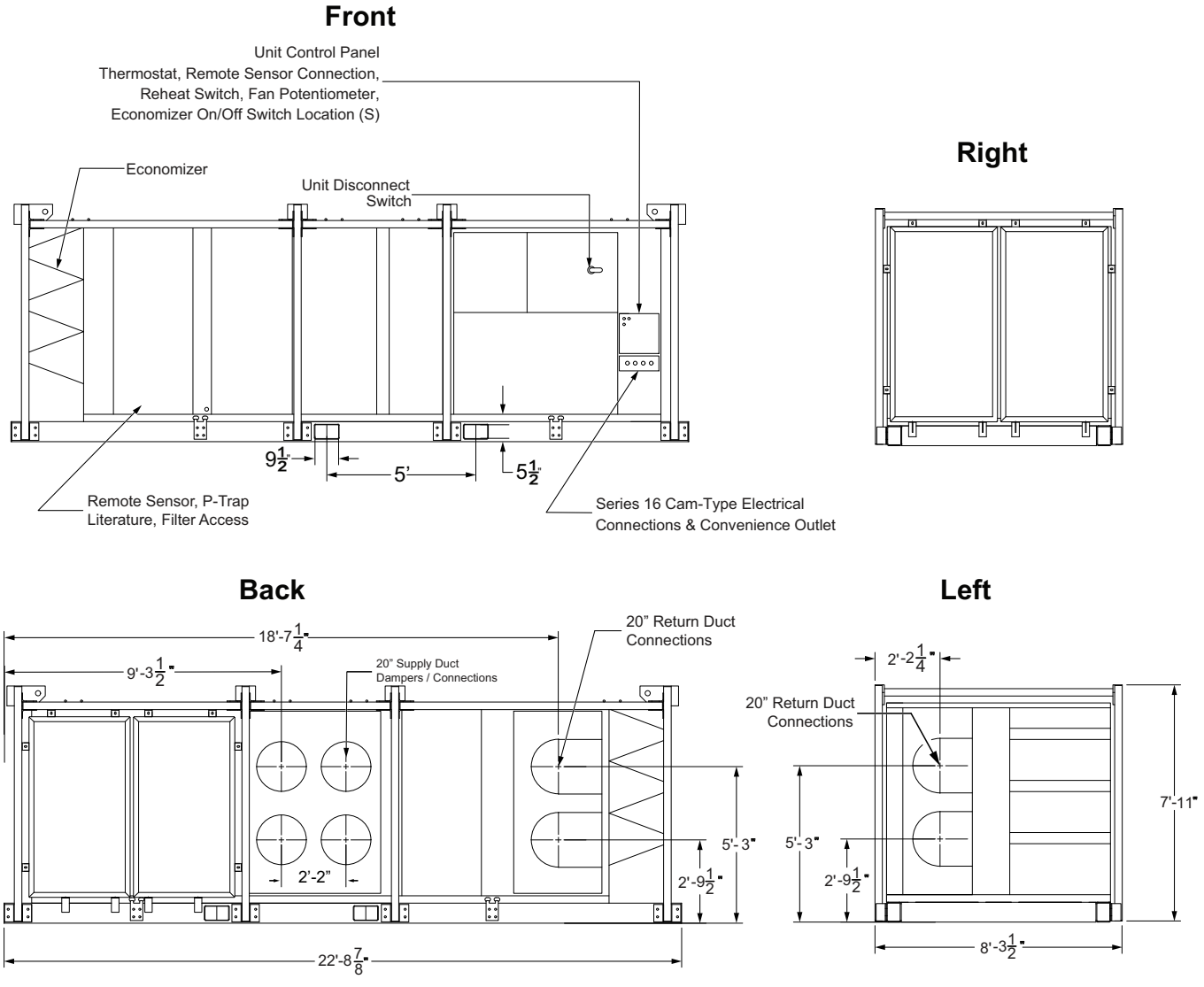
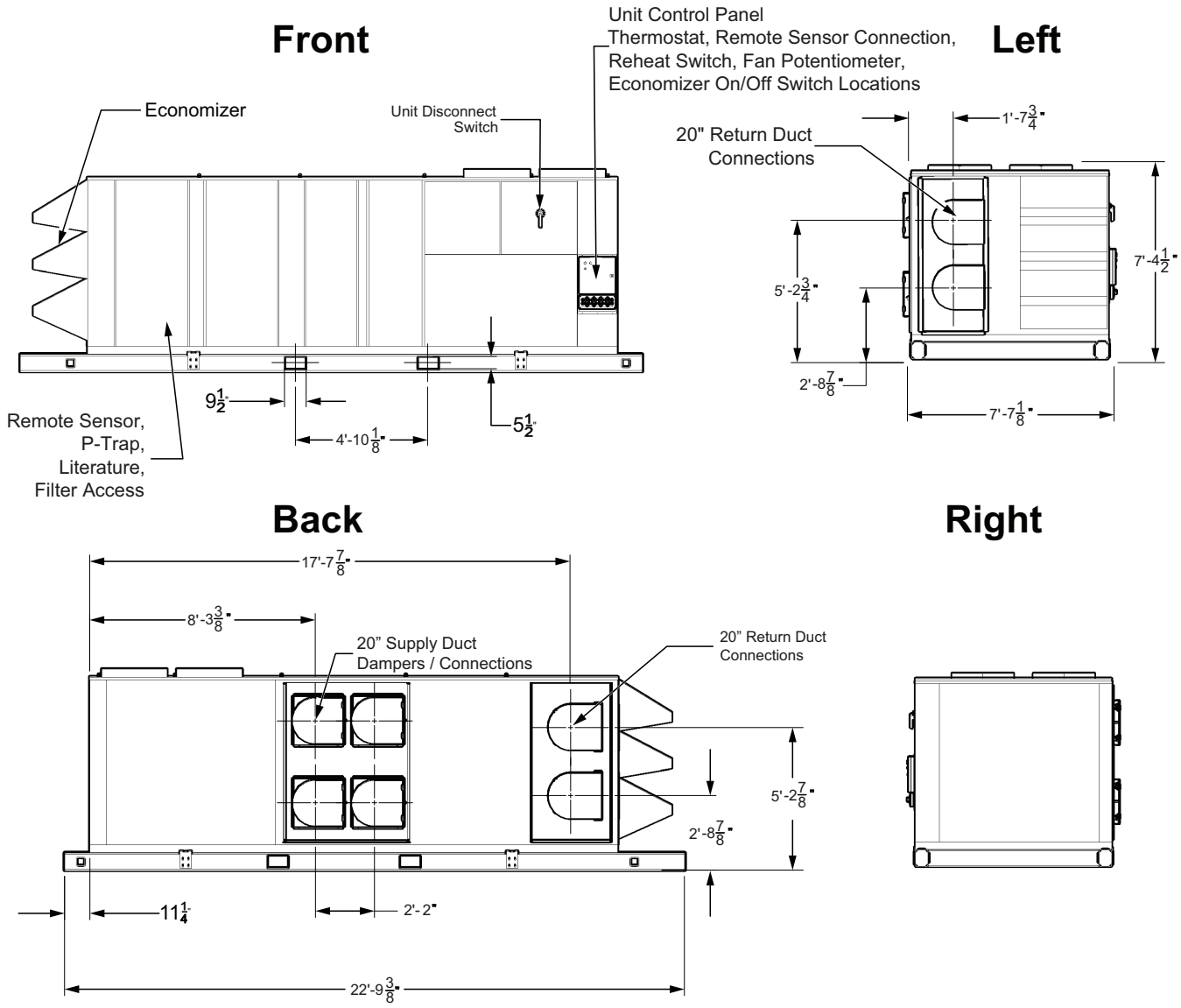


Figure 38. CSHX0050F4BX-DH unit dimensions



Model: RSHX0050F4AA-AJ

Features

- 0 to 100 percent Economizer, Dry Bulb Control
- Blower VFD with Line Bypass and Speed Adjustment Potentiometer (VAV Mode Available Upon Request)
- Hinged Service Access
- Phase and Under/Over Voltage Protection
- Series 16 Cam Type Electrical Connections
- Unit Mounted Thermostat with Remote Option
- Symbio™ 700 Trane Controls with BACnet® Interface RS-485 MS/TP (Remote Monitoring Available Upon Request)
- Clogged Filter Switch Kit
- Hot Gas Bypass
- Manual Supply Air Dampers
- Three Stage Cooling and Two Stage Heating
- Low Ambient Operation Down to 0°F

Table 151. General data – RSHX0050F4AA-AJ

Lables	Value
Nominal Cooling Tons[a]	50
Heating Capacity	108 kW
Refrigerant	R-410A
Refrigerant Charge	38.3 lbs
Number of Refrigerant Circuits	1
Number of Compressors	3
Ambient Operating Conditions	0°F to 115°F

[a] Design Conditions: 95°F Ambient, 80°F EDB, 71°F EWB, 400 CFM/Ton.

Table 152. Electrical data – circuit breaker style disconnect – RSHX0050F4AA-AJ

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	65 kA
Minimum Circuit Ampacity (MCA)	244.2 A
Maximum Overcurrent Protection (MOP)	250 A
Cooling Only FLA	123.2 A
Heating Only FLA	166.2 A
Electric Reheat (72 kW Electric Heat + All Cooling) FLA	213.7 A

Table 153. Airflow data – RSHX0050F4AA-AJ

Lables	Value
Supply Motor	20 HP
Nominal CFM	10,000
Maximum ESP at Nominal CFM	5 in.
Supply Air Connection Qty/Size	(4) 20 in.
Return Air Connection Qty/Size	(4) 20 in.
Merv-8 Throwaway Filter Qty/Size	(17) 16 in. x 20 in. x 2 in.
Maximum Supply/Return Duct Run at Maximum CFM	12500 ft.

Table 154. Dimensions and weights – RSHX0050F4AA-AJ

Lables	Value
Length	22 ft. 9.38 in.
Width	7 ft. 7.25 in.
Height	7 ft. 4.5 in.
Shipping Weight	8,160 lbs
Fork Pocket Dimensions	9.5 in. x 5.5 in.
Center to Center Distance of Fork Pockets	5 ft.

Note: Lifting Device: Forklift or crane.

Table 155. Operating clearances – RSHX0050F4AA-AJ

Lables	Value
Condenser Coil End	8 ft.
Economizer End (If equipped)	6 ft.
Front (Control Panel)	4 ft.
Back (Supply/Return Duct Connections)	4 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 39. Fan curve – RSHX0050F4AA-AJ

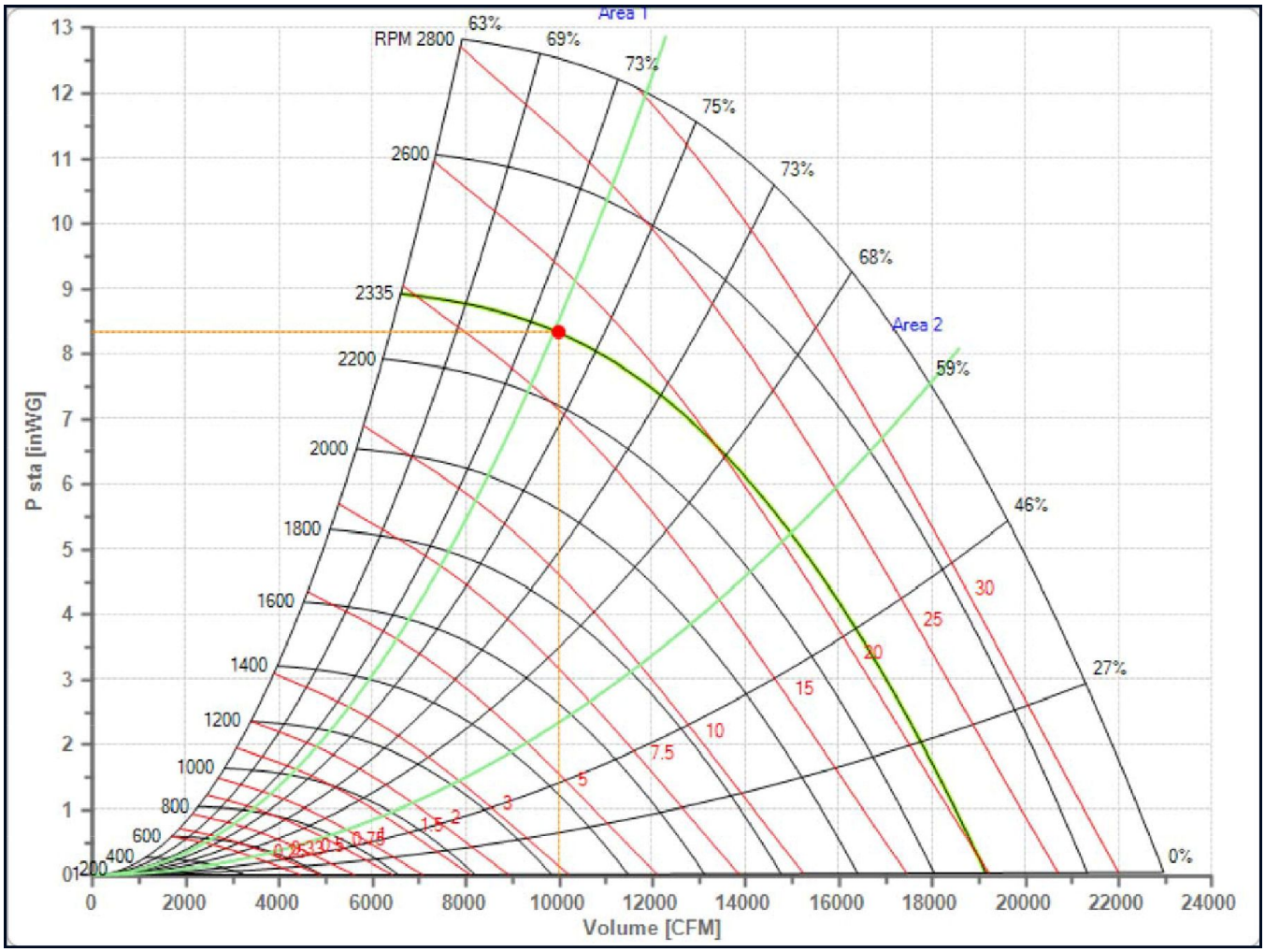


Table 156. Gross cooling capacities – RSHX0050F4AA-AJ

Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		85						95					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10000	75	—	—	518	258	592	192	—	—	495	247	565	181
	80	—	—	520	314	592	247	—	—	496	868	564	303
	85	476	439	524	371	592	302	463	432	500	360	565	291
	90	502	499	536	430	—	—	488	481	513	419	—	—
Airflow cfm	Ent DB (°F)	Ambient Temperature (°F)											
		105						115					
		Entering Wet Bulb											
		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
10000	75	—	—	468	236	535	169	—	—	442	224	504	158
	80	—	—	470	292	535	224	399	345	444	280	504	213
	85	442	420	475	348	536	280	420	408	449	337	505	268
	90	468	462	490	407	—	—	447	440	464	395	507	324

Notes:

1. All capacities shown are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat. For indoor fan heat formula, refer to appropriate airflow table notes.
2. TGC = Total gross capacity.
3. SHC = Sensible heat capacity.

Table 157. Electric heating performance – RSHX0050F4AA-AJ

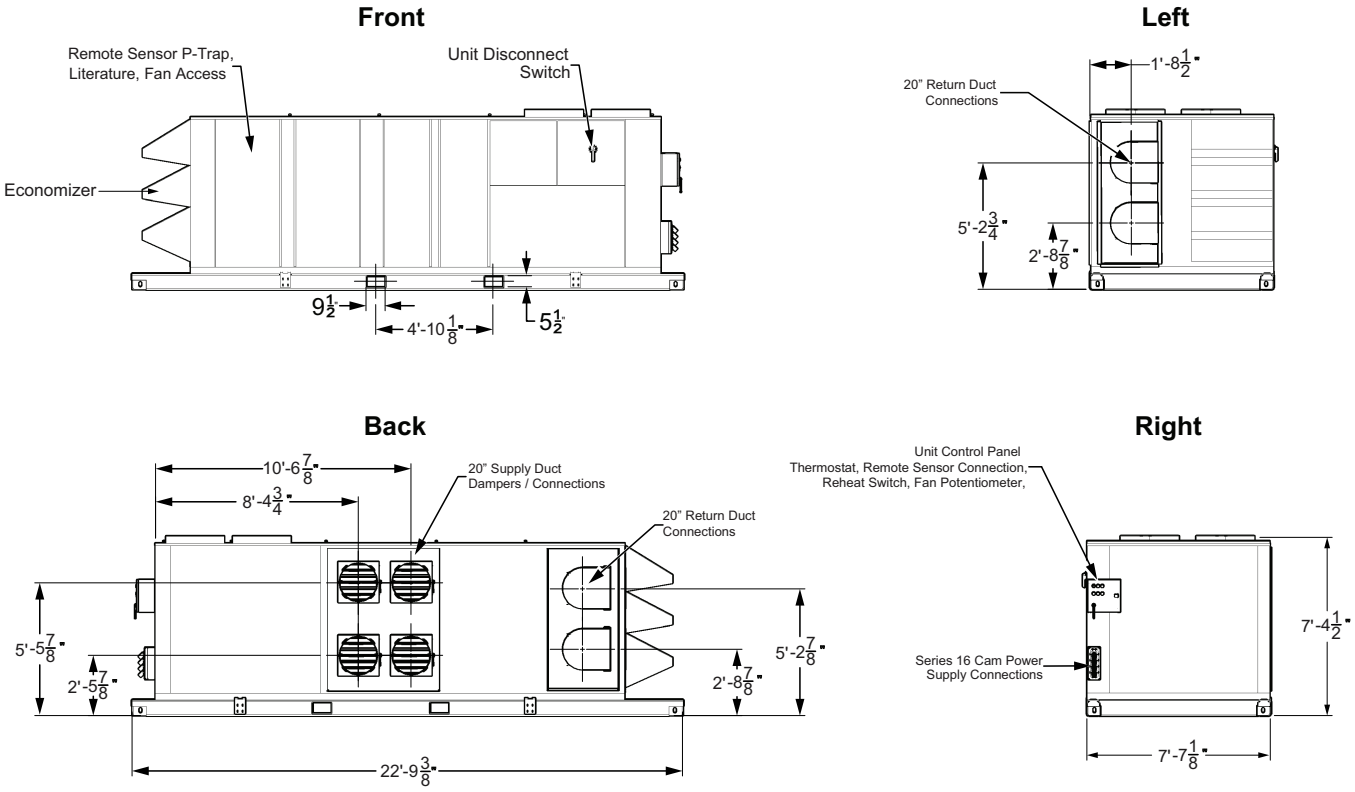
CFM	Temp Rise (°F)
10000	34

Table 158. Sound data – RSHX0050F4AA-AJ

Sound Path (Hz)	63	125	250	500	1K	2K	4K	8K
Ducted Discharge (dB)	99	97	90	93	90	84	76	70
Outdoor Noise (dB)	104	97	96	97	95	93	88	79

Unit Drawings

Figure 40. RSHX0050F4AA-AJ unit dimensions



Model: RSHX0080

Features

- Hot Gas Bypass
- Cam Type Electrical Connections
- Electric Heat with Reheat (Dehumidification) Option
- Hydrophilic Condenser and Evaporator Coils
- Phase and Under/Over Voltage Protection
- Remote Wireless Thermostat (Available Upon Request)
- Run Hour Meter
- 120V 6 Amp GFCI Convenience Outlet
- Supply and Condenser Fan VFD's with Bypass
- ETL, UL 1995 and CSA STD C22.2 No.236 Certified

Table 159. General data – RSHX0080

Lables	Value
Nominal Cooling Tons	80
Heating Capacity	162 kW
Refrigerant	R-410A
Number of Refrigerant Circuits	2
Number of Compressors	2
Ambient Operating Conditions	0°F to 105°F

Table 160. Electrical data – circuit breaker style disconnect – RSHX0080

Lables	Value
Number of Electrical Circuits	1
Voltage	460V 3 Phase
Frequency	60 Hz
Wire Connection Type	Series 16 Cam Type Only
SCCR	5000 A
Minimum Circuit Ampacity (MCA)	329 A
Maximum Overcurrent Protection (MOP)	400 A
Cooling Only FLA	147.1 A
Heating Only FLA	237.7 A
Electric Reheat (108 kW Electric Heat + All Cooling) FLA	282.7 A

Table 161. Airflow data – RSHX0080

Lables	Value
Supply Motor	30 HP
Nominal CFM	12,800
Minimum/Maximum CFM	4,200 – 17,000
Maximum ESP at Nominal CFM	4.6 in.
Supply Air Connection Qty/Size	(3) 20 in.

Table 161. Airflow data – RSHX0080 (continued)

Lables	Value
Return Air Connection Qty/Size	(4) 20 in.
Merv-8 Throwaway Filter Qty/Size	(8) 16 in. x 25 in. x 2 in.
Maximum Supply/Return Duct Run at Maximum CFM	500 ft.

Table 162. Dimensions and weights – RSHX0080

Lables	Value
Length	13 ft. 0 in.
Width	7 ft. 4 in.
Height	8 ft. 4 in.
Shipping Weight	9,800 lbs
Fork Pocket Dimensions	12 in. x 4.75 in.
Center to Center Distance of Fork Pockets	48 in.

Note: Lifting Device: Forklift or crane.

Table 163. Operating clearances – RSHX0080

Lables	Value
Left End - Opposite Control Panel	8 ft.
Right End - Control Panel	8 ft.
Front - Supply Air Connections	8 ft.
Back - Return Duct Connections	8 ft.
Top	No Obstructions

Note: Operating clearances are provided based on single machine, above ground. For multiple unit or pit operation, contact Trane Rental Services.

Figure 41. Fan curve – RSHX0080

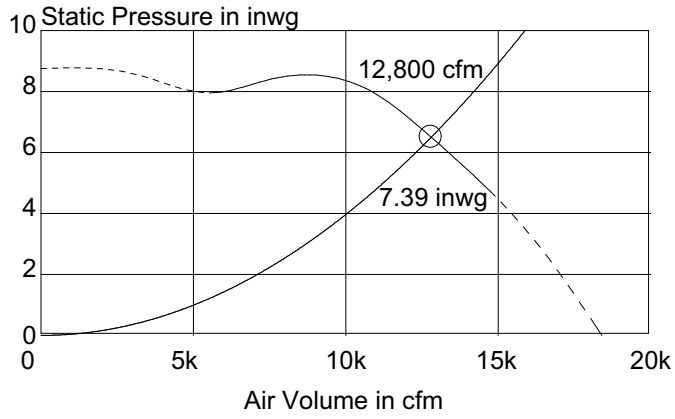
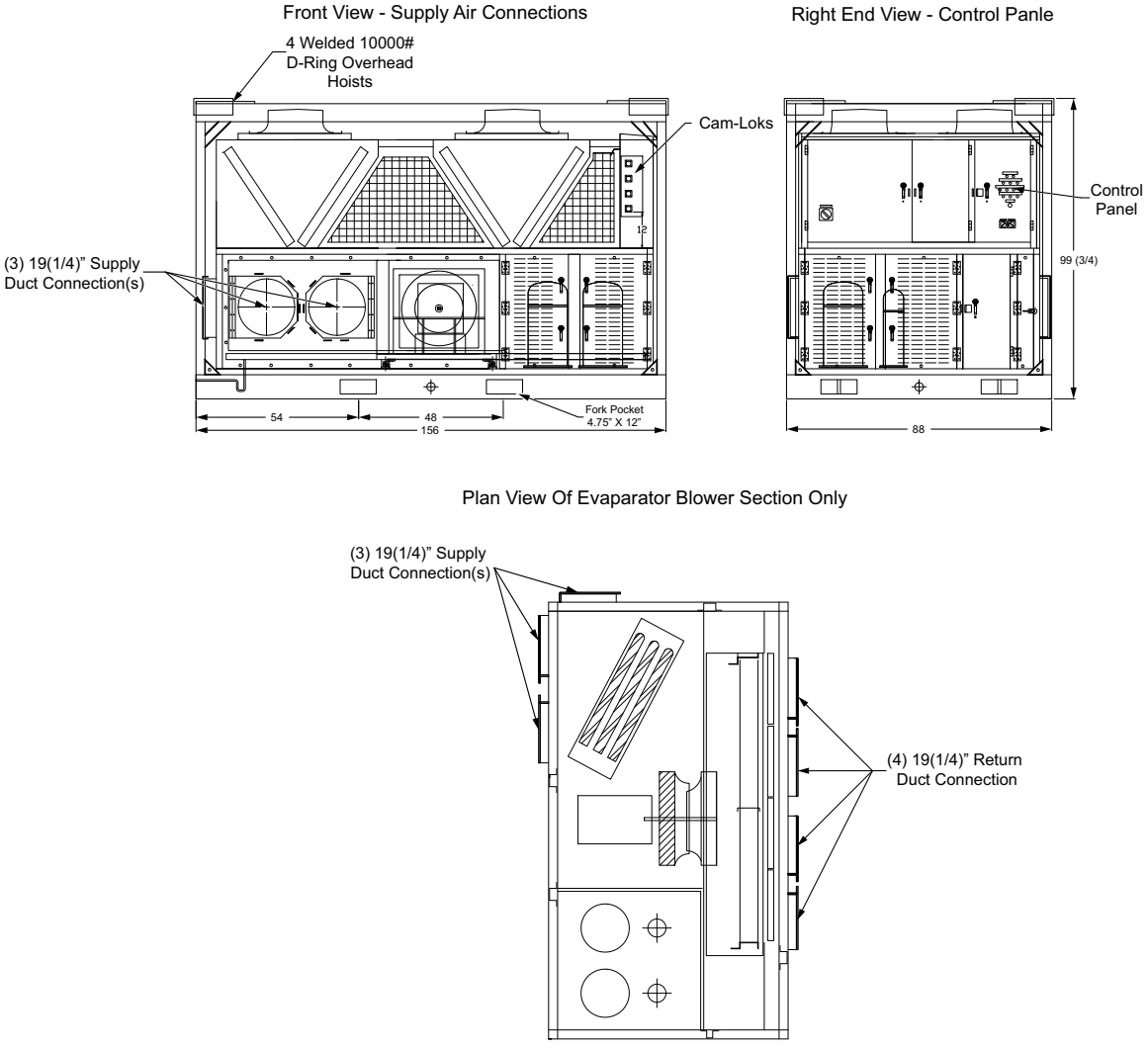


Table 164. Electric heating performance – RSHX0080

CFM	Temp Rise (°F)
8000	35.4
10000	28.3
12800	22.1
15000	18.9
17000	16.7

Unit Drawings

Figure 42. RSHX0080 unit dimensions



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.

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