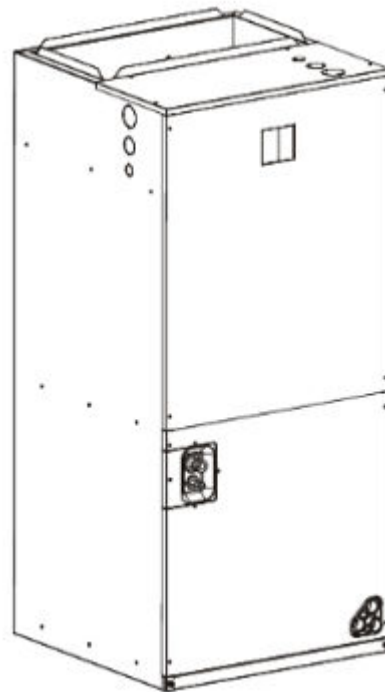


Product and Submittal Data

Air Handler 5TEM7

5TEM7B02AC21SAA
5TEM7C04AC31SAA
5TEM7D06AC31SAA
5TEM7D07AC41SAA



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

Introduction

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Model Number Description

Digit 1 — Refrigerant

5 = R-454B

Digit 2 — Brand

T = Trane Technologies

Digit 3 — Product Type

A = Air handler

D = Dedicate AHU

E = Air handler

Digit 4 — Convertability

M = Multi-poise 4-way

E = Upflow front returnn, 3-way

E = 3-way

Digit 5 — Product Tier

4/5 = 24V entry level

6 = 24V Variable speed

8 =

C = Communicating/24V TEM

X = Communicating/24V TAM

Digit 6 — Cabinet Size

B =

C =

D =

Digit 7 — Coil Size

0 =

Digit 8 —

1 =

2 =

3 =

4 =

5 =

6 =

Digit 9 — Major Modification

A

Digit 10— Airflow Type and Capability

C = CTM

V = Variable speed

Digit 11— Nominal Airflow Tonnage

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3 = 3T

4 = 4T

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Digit 12— Control Type

S = 24V

D = Link and 24V

3 = 3-phase

Digit 13— Control Type

S = 24V

D = Link and 24V

3 = 3-phase

Digit 14— Minor Design Change

A

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A

Product Specifications

Table 1. 5TEM7 product Specifications

	5TEM7B02AC21SAA	5TEM7C04AC31SAA	5TEM7D06AC31SAA	5TEM7D07AC41SAA
Application Configuration	4-Way	4-Way	4-Way	4-Way
Agency Listing (ETL/UL/CSA)	ETL	ETL	ETL	ETL
RATED CAPACITY RANGE (BTUH)	18K - 24K	18K - 36K	18K - 54K	18K - 60K
SYSTEM CONTROL TYPE	24V	24V	24V	24V
POWER CONN. - V/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Max Breaker Size, Without Electric Heater (Amps)	15	15	15	15
Max Breaker Size, With Electric Heater (Amps) ^(a) ^(b)	40	50	50	50

^(a) Maximum overcurrent protection is dependent on which electric heater is installed. See Installation, Operation, and Maintenance manual or unit name plate.

^(b) If installing system outside of the United States, accessory electric heaters may not be installed.

Table 2. Product specifications

MODEL	5TEM7B02AC21SAA	5TEM7C04AC31SAA	5TEM7D06AC31SAA	5TEM7D07AC41SAA
COIL TYPE	Copper Tube - Aluminum Plate Fin	Copper Tube - Aluminum Plate Fin	Copper Tube - Aluminum Plate Fin	Copper Tube - Aluminum Plate Fin
Refrigerant Type	R-454B	R-454B	R-454B	R-454B
Refrigerant Control	EEV (Outdoor)	EEV (Outdoor)	EEV (Outdoor)	EEV (Outdoor)
Refrigerant Line Connection - Gas (in.)	5/8	5/8	5/8	3/4
Refrigerant Line Connection - Liquid (in.)	3/8	3/8	3/8	3/8
BLOWER TYPE				
Configuration	Blow Through	Blow Through	Blow Through	Blow Through
Dimensions (Diameter x Width (in.))	10" x 6"	10" x 7"	10" x 8"	10" x 8"
Motor Type	Variable Speed	Variable Speed	Variable Speed	Variable Speed
Nominal CFM ^(a)	735	910	1485	1800
Speed (RPM)	860	940	990	1206
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Full Load Amps	2.4	3.3	2.9	2.9
FILTER RACK (YES, NO)	Yes	Yes	Yes	Yes

^(a) For CFM versus external static pressure (in. w.c.), refer to Installation, Operation, and Maintenance manual.

Table 3. Dimensions and weights

MODEL	5TEM7B02AC21SAA	5TEM7C04AC31SAA	5TEM7D06AC31SAA	5TEM7D07AC41SAA
Dimensions (Length x Width (in.))	20 x 16 x 1	20 x 20 x 1	20 x 24 x 1	20 x 24 x 1
DUCT CONNECTIONS	L x W	L x W	L x W	L x W
Supply (in.)	14.82 x 15.88	18.82 x 15.88	22.82 x 15.88	22.82 x 15.88

Product Specifications

Table 3. Dimensions and weights (continued)

MODEL	5TEM7B02AC21SAA	5TEM7C04AC31SAA	5TEM7D06AC31SAA	5TEM7D07AC41SAA
Return (in.)	14.19 x 18.56	18.19 x 18.56	22.19 x 18.56	22.19 x 18.56
DRAIN CONN. SIZE (IN.)	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Uncrated (in.)	17 x 21.63 x 39.82	21 x 21.63 x 43.88	25 x 21.63 x 59.50	25 x 21.63 x 59.5
Crated (in.)	18 x 28.75 x 44.38	22 x 28.75 x 48.38	26 x 28.75 x 63.75	26 x 28.75 x 63.75
WEIGHT - SHIPPING/NET (LBS.)	106	141	198	200

Table 4. Product information

MODEL	5TEM7B02AC21SAA	5TEM7C04AC31SAA	5TEM7D06AC31SAA	5TEM7D07AC41SAA
Rated Capacity Range (BTUH)	18K - 24K	18K - 36K	18K - 54K	18K - 60K
Supply Opening (in.)	14.82 x 15.88	18.82 x 15.88	22.82 x 15.88	22.82 x 15.88
Return Opening (in.)	14.19 x 18.56	18.19 x 18.56	22.19 x 18.56	22.19 x 18.56
Filter Sizes (in.) ^(a)	20 x 16 x 1	20 x 20 x 1	20 x 24 x 1	20 x 24 x 1
Line Size (in.) — Gas	5/8	5/8	5/8	3/4
Line Size (in.) — Liquid	3/8	3/8	3/8	3/8

^(a) Filter not supplied.

Table 5. Heater specifications

Air Handler	Heater Model Number	Description	Heater kW (208V/240V)	Heater Amps ^(a) (208V/240V)	MCA ^(a) (208V/240V)	MOP ^(a) (208V/240V)	Htr and Mtr Amps ^(b) (208V/240V)	MCA ^(b) (208V/240V)
5TEM7B02	EH03-SVZ-S	3kW Electric Heater	2.3/3.0	10.8/12.5	13.5/15.6	15/20	13.2/14.9	16.5/18.6
	EH05-SVZ-S	5kW Electric Heater	3.8/5.0	18.1/20.8	22.6/26	25/30	20.5/23.2	25.6/29
	EH08-SVZ-S	8kW Electric Heater	6.0/8.0	28.9/33.3	36.1/41.7	40/45	31.3/35.7	39.1/44.7
5TEM7C04	EH05-SVZ-M	5kW Electric Heater	3.8/5.0	18.1/20.8	22.6/26	25/30	21.4/24.1	26.7/30.2
	EH08-SVZ-M	8kW Electric Heater	6.0/8.0	28.9/33.3	36.1/41.7	40/45	32.2/36.6	40.2/45.8
	EH10-SVZ-M	10kW Electric Heater	7.5/10	36.1/41.7	45.1/52.1	50/60	39.4/45	49.3/56.2
5TEM7D06	EH10-MPA-LB	10kW Electric Heater	7.5/10	36.1/41.7	45.1/52.1	50/60	40.6/46.2	50.8/57..7
	EH15-MPAS-LB	15kW Electric Heater	11.3/15	27.1/31.2 (Circuit 1 and 2)	33.9/39.1 (Circuit 1 and 2)	35/40 (Circuit 1 and 2)	31.6/35.8 (Circuit 1) 27.1/31.2 (Circuit 2)	39.5/44.7 (Circuit 1) 33.9/39.1 (Circuit 2)
	EH17-MPAS-LB	17kW Electric Heater	13.2/17.5	31.6/36.5 (Circuit 1 and 2)	39.5/45.6 (Circuit 1 and 2)	40/50 (Circuit 1 and 2)	36.1/41 (Circuit 1) 31.6/36.5 (Circuit 2)	45.1/51.2 (Circuit 1) 39.5/45.6 (Circuit 2)

Table 5. Heater specifications (continued)

Air Handler	Heater Model Number	Description	Heater kW (208V/240V)	Heater Amps ^(a) (208V/240V)	MCA ^(a) (208V/240V)	MOP ^(a) (208V/240V)	Htr and Mtr Amps ^(b) (208V/240V)	MCA ^(b) (208V/240V)
5TEM7D07	EH10-MPA-LB	10kW Electric Heater	7.5/10	36.1/41.7	45.1/52.1	50/60	40.6/46.2	50.8/57..7
	EH15-MPAS-LB	15kW Electric Heater	11.3/15	27.1/31.2 (Circuit 1 and 2)	33.9/39.1 (Circuit 1 and 2)	35/40 (Circuit 1 and 2)	31.6/35.8 (Circuit 1) 27.1/31.2 (Circuit 2)	39.5/44.7 (Circuit 1) 33.9/39.1 (Circuit 2)
	EH17-MPAS-LB	17kW Electric Heater	13.2/17.5	31.6/36.5 (Circuit 1 and 2)	39.5/45.6 (Circuit 1 and 2)	40/50 (Circuit 1 and 2)	36.1/41 (Circuit 1) 31.6/36.5 (Circuit 2)	45.1/51.2 (Circuit 1) 39.5/45.6 (Circuit 2)

^(a) Heater amps; no motor.

^(b) Heater and motor amps (connect air handler power supply to largest circuit breaker)

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