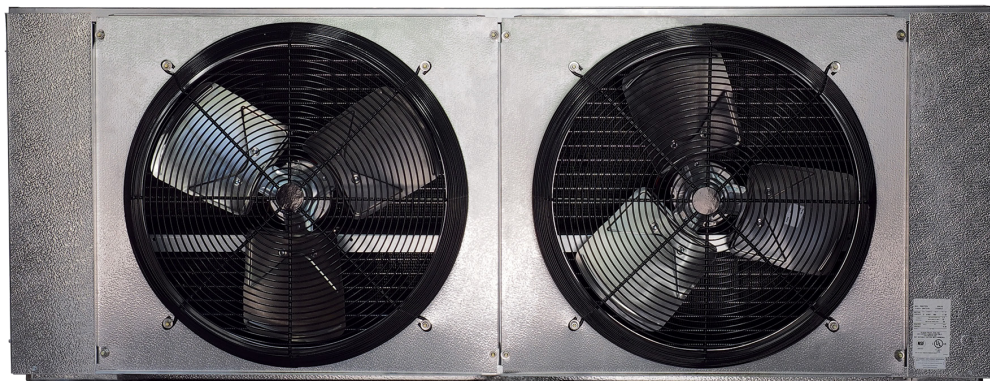




## MEDIUM PROFILE UNIT COOLER



### Walk-Ins: Medium to Large Cooler and Freezer Applications

#### **Air Defrost**

18,200 to 76,900 BTUH

#### **Electric Defrost**

11,000 to 64,300 BTUH

#### **Hot Gas Defrost**

11,000 to 64,300 BTUH

FEATURES

Russell's Medium Profile Unit Coolers are the perfect evaporator solution for medium to large walk-in coolers and freezers. Designed with efficiency, performance and service in mind, the Medium Profile line truly stands out from the competition. The unit coolers were engineered to meet the Department of Energy's new AWEF\* performance regulations and all feature energy-efficient rail-mount Dual Speed EC Motors. For maximum performance, all units are circuited for multiple refrigerants and feature optimized circuit patterns, enhanced surface coil tubing, and new high efficiency fan and venturi designs. The Medium Profile product line has several serviceability features including rail-mount motors, easily removable fan guards and modular fan panels, face mount defrost heaters, hinged drain pans, and shipping pallets designed to facilitate quicker installation.

SIZES

There are a wide array of sizes available with capacities ranging from 11,000 to 76,900 BTUH at a 10° TD. Models are available with air flow spanning a range of 2,090 to 9,580 CFM.

HOUSING

Each unit is constructed with a rust-free, heavy gauge, textured, aluminum housing which is light weight yet extremely durable. Models feature hinged one-piece drain pans to allow for convenient servicing and maintenance. Hanger holes are provided on all units for fast installation..

COIL

Seamless copper tubes are staggered and mechanically expanded into corrugated aluminum fins to assure maximum heat transfer. Die formed fin collars are provided for accurate fin spacing. Top panel is fastened directly to the tube sheets of the coil to provide high structural strength. Low Electric Defrost and Hot Gas Defrost Models are available in both 6 FPI and 4 FPI. Medium Temp Electric Defrost and Air Defrost models are available in 6 FPI.

MOTORS

All models feature highly efficient Dual Speed Electronically Commutated (EC) motors which are compliant with California Title 24 regulations<sup>1</sup>.

FANS & FAN GUARDS

Powerful heavy-duty aluminum fans are individually balanced to provide vibration free operation. Standard heavy-gauge wire fan guards are UL/cUL-approved epoxy coated for corrosion resistance. Air throw for Medium Profile Unit Coolers is 75 ft.

REFRIGERANTS

Medium Profile Unit Coolers are optimized for multiple refrigerants including R404A, R407A, R448A, R449A and R744 DX (CO2). Please specify system refrigerant requirements when ordering. A separate compartment is provided for all refrigerant connections which allows ample room for internal mounting of expansion valves.

ELECTRIC DEFROST - LOW TEMP

Low Temperature Electric Defrost Models (RM6E or RM4E) are designed for use in freezers between 10°F and -30°F room temperatures. Defrost heaters are mounted on the air intake side of the unit for optimal performance and easy maintenance. Heaters are installed inside the drain pan for fast, reliable drainage. Fixed defrost termination, fan delay and heater safety controls are factory mounted for optimum performance of each control function.

ELECTRIC DEFROST - MEDIUM TEMP

Medium Temperature Electric Defrost Models (RM6D) are designed for use in coolers between 20°F and 35°F room temperatures. Defrost heaters are mounted on the air intake side of the unit for optimal performance and easy maintenance. Heaters are installed inside the drain pan for fast, reliable drainage. Fixed defrost termination, fan delay and heater safety controls are factory mounted for optimum performance of each control function.

HOT GAS DEFROST

There are two types of Hot Gas Defrost models available: 3-pipe Hot Gas models (RM6H or RM4H) and 2-pipe Hot Gas Reverse Cycle units (RM6G or RM4G). Hot Gas Defrost models are designed for use in coolers and freezers between +35°F and -30°F. Hot Gas Defrost 4 FPI models (RM4H or RM4G) are designed for use in freezers between +32°F and -30°F. All units include fixed defrost termination and fan delay controls which are factory mounted for optimum performance of each control function. Hot Gas Defrost models feature electric drain pan heaters making it possible to open the hinged drain pan for easy cleaning and servicing. Refer to the current Russell Technical Bulletin for piping.

ELECTRICAL

Available in 208/230V/1, 208-230V/3, 460V/1 or 460V/3. A large compartment is supplied for all electrical components and is easily accessible by removing the end panel. All models are UL and cUL listed.

AIR DEFROST

Air Defrost models (RM6A) are designed for use in coolers at +35°F room temperature and warmer.

OPTIONAL FEATURES

- EcoNet® Enabled Controller<sup>3</sup> (factory-installed)
- EcoNet® Command Center (loose)
- Thermostat - Mechanical or Electric (mounted or loose)
- Thermostatic Expansion Valve (mounted or loose)
- Adjustable Defrost Termination
- Electronic Expansion Valve (mounted or loose)
- Liquid Line Solenoid Valve (mounted or loose)
- Insulated Drain Pan
- Painted Cabinet (White or Black Russproof)
- Stainless Steel Cabinet
- Coated Coil (Bronz-Glow, or Electrofin®)
- Suction/Liquid Heat Exchanger (loose)

NOTES

- \* AWEF (Annual Walk-in Energy Factor)
1. Single Compressor system without variable capacity.
  2. Some limitations apply. For specific electrical offering, consult electrical data tables in this brochure.
  3. EcoNet Control Package includes EEV, suction pressure transducer, suction and entering air coil temp. thermistors, local on-board two-row backlit LCD display and push-button adjustments. (Controller replaces TXV, liquid line solenoid valve, room thermostat, defrost termination and fan delay, and time clock.)



HIGHLIGHTED FEATURES AND OPTIONS



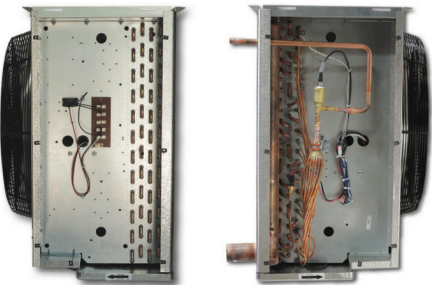
FANS AND HOUSING

- 24" heavy duty aluminum fans are balanced for vibration-free operation
- High efficiency deep draw venturi provides optimal air flow
- Removable end panels
- NSF approved



COILS AND DEFROST HEATERS

- Available in 4 or 6 fins per inch (FPI)
- Electric defrost heaters are mounted on the air intake coil face to provide easy service access
- The drain pan heater is affixed to the drain pan and is easily accessed for service or cleaning



ELECTRICAL AND PIPING

- End panels slide out for easy service from the front or sides of the unit
- Ample room in electrical and piping compartments for easy access

ECONET ENABLED UNIT COOLERS (OPTIONAL)

- Developed in conjunction with Rheem Manufacturing specifically for walk-in coolers and freezers — it builds on the reliability and efficiency of Rheem's EcoNet technology
- Saves energy in refrigeration systems through precise superheat and space temperature control, fan cycling, and controlling how often the system goes into defrost based on compressor runtime
- Eliminates unnecessary defrosts
  - Maximizes energy efficiency with less compressor runtime
  - Reduces fan speed to 50% during off cycle for energy savings
- Can be used with a condensing unit in single and multiple evaporator installations as a group
- Optional **EcoNet Command Center** with intuitive graphical interface controls up to 32 devices (including the Command Center) through one display, continuous communication between system components, and remote mount display allows for EcoNet Enabled Unit Coolers to be programmed, monitored and troubleshoot outside of space being cooled



MODEL NOMENCLATURE

R	M	6	E	153	D	D	A
Brand	Style	Fins per Inch (FPI)	Defrost Type	BTUH in Thousands	Unit Voltage <sup>1</sup>	Motor Type	Vintage
R = Russell	M = Medium Temp	4 / 6	A = Air E = Low Temp Electric Defrost D = Medium Temp Electric Defrost H = Hot Gas 3 Pipe: Electric Drain Pan G = Hot Gas Reverse: Electric Drain Pan		A = 15/1/60 D = 208-230/1/60 E = 208-230/3/60 F = 460/1/60 G = 460/3/60	D = Dual Speed EC	

NOTES:  
1. 50 Hz available. Contact Factory for additional information.

EVAPORATOR APPLICATION RATINGS

Multiple conditions combine to determine the application capacity of an evaporator. Walk-in space temperature, relative humidity, saturated suction temperature difference, and outdoor ambient temperature. All of the factors are considered when calculating an evaporator application rating. These ratings are considerably higher than the net capacity value used for DOE ratings (AWEF).

The AWEF of an evaporator is calculated using the dry coil capacity and the daily evaporator power consumption. Power consumption included fan and defrost power. Evaporator net capacity reported to the DOE database is dry coil capacity less the full power fan watts. DOE test conditions are at 10°F evaporator/SST temperature difference and less than 50% relative humidity and 96°F liquid temperature. These conditions create a uniform test method, but should not be used for equipment selection. The equipment selected would be too large for the application.

Russell's published application ratings are a guideline for proper equipment selection. They account for true operating conditions experienced by equipment.

APPLICATION RATING AND ELECTRICAL DATA // AIR DEFROST MODELS

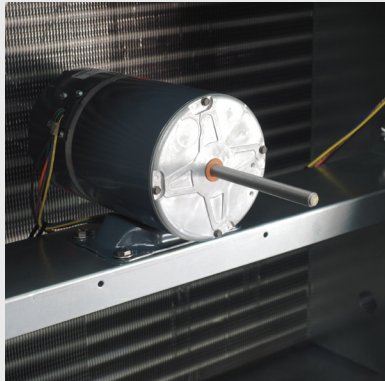
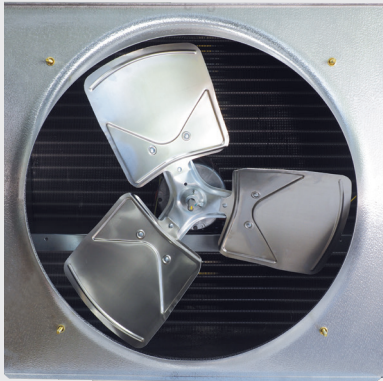
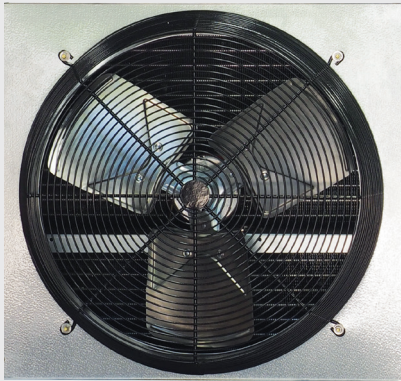
Model No.		BTUH Capacity @ +25°F S.T. & 10°F TD <sup>1</sup>		CFM	No. of Fans	Total Fan Motor AMPS Dual Speed EC Motors <sup>†</sup> Motor Voltage			MCA	MOPD
		R404A/ R744 DX (CO <sub>2</sub> )	R407A/ R448A/R449A <sup>^</sup>			115V/1	208- 230V/1	460V/1		
6 FPI	RM6A182*DA	18,200	21,100	3,190	1	3.2	1.9	1.2	15.0	20
	RM6A220*DA	22,000	25,800	2,950						
	RM6A276*DA	27,600	32,300	6,950	2	6.4	3.8	2.4	15.0	20
	RM6A370*DA	37,000	43,100	6,380						
	RM6A442*DA	44,200	51,900	5,900						
	RM6A549*DA	54,900	64,200	9,580	3	9.6	5.7	3.6	15.0	20
	RM6A658*DA	65,800	76,900	8,860						

NOTES:

- \* Asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.
- ^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.
- † Dual Speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.

FAN GUARDS EASILY REMOVABLE FOR QUICK ACCESS TO FAN BLADES AND RAIL-MOUNTED MOTORS



APPLICATION RATING AND ELECTRICAL DATA // LOW TEMP ELECTRIC DEFROST

Model No.		BTUH Capacity @ -20°F S.T. & 10°F TD¹		CFM	No. of Fans	Total Fan Motor AMPS Dual Speed EC Motors† Motor Voltage	
		R404A/R744 DX (CO₂)	R407A/R448A/ R449A^			208-230V/1	460V/1
6 FPI	RM6E153*DA	15,300	17,400	2,250	1	1.9	1.2
	RM6E184*DA	18,400	21,100	2,090			
	RM6E311*DA	31,100	35,700	4,500	2	3.8	2.4
	RM6E374*DA	37,400	42,900	4,180			
	RM6E469*DA	46,900	53,600	6,750	3	5.7	3.6
	RM6E564*DA	56,400	64,300	6,270			
4 FPI	RM4E110*DA	11,000	12,400	2,350	1	1.9	1.2
	RM4E143*DA	14,300	16,200	2,210			
	RM4E232*DA	23,200	26,100	4,690	2	3.8	2.4
	RM4E288*DA	28,800	32,700	4,420			
	RM4E336*DA	33,600	38,300	7,040	3	5.7	3.6
	RM4E419*DA	41,900	47,600	6,640			

Model No.		208-230V/1				Heater Amps	Heater Watts
		MCA		MOPD			
		Base Model	EcoNet Enabled <sup>2</sup>	Base Model	EcoNet Enabled <sup>2</sup>	208-230V/1	
6 FPI	RM6E153DDA	15.0	20.5	20	25	19.5	4,480
	RM6E184DDA						
	RM6E311DDA	15.0	40.5	20	45	38.5	8,860
	RM6E374DDA						
4 FPI	RM4E110DDA	15.0	20.5	20	25	19.5	4,480
	RM4E143DDA						
	RM4E232DDA	15.0	40.5	20	45	38.5	8,860
	RM4E288DDA						

NOTES:

1.	Capacity Correction for Electric Defrost Evaporators						
	S.S.T. (Dew)	20°F	0°F	-10°F	-20°F	-30°F	-40°F
	Multiply Capacity by:	1.15	1.075	1.0375	1	0.9625	0.925

- 2. EcoNet Enabled Units are not powered by Condensing Unit so Defrost Heaters are incorporated into shown MCA/MOPD.
- \* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.
- ^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.
- † Dual Speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.



APPLICATION RATING AND ELECTRICAL DATA // LOW TEMP ELECTRIC DEFROST

Model No.		208-230V/3				Heater Amps	Heater Watts
		MCA		MOPD			
		Base Model	EcoNet Enabled¹	Base Model	EcoNet Enabled¹	208-230V/3	
6 FPI	RM6E153EDA RM6E184EDA	15.0	15.0	20	25	11.2	4,480
	RM6E311EDA RM6E374EDA	15.0	23.2	20	25	22.2	8,860
	RM6E469EDA RM6E564EDA	15.0	35.5	20	40	35.5	13,340
4 FPI	RM4E110EDA RM4E143EDA	15.0	15.0	20	25	11.2	4,480
	RM4E232EDA RM4E288EDA	15.0	23.2	20	25	22.2	8,860
	RM4E336EDA RM4E419EDA	15.0	35.5	20	40	35.5	13,340

Model No.		460V/1				Heater Amps	Heater Watts
		MCA		MOPD			
		Base Model	EcoNet Enabled¹	Base Model	EcoNet Enabled¹	460V/1	
6 FPI	RM6E153FDA RM6E184FDA	15.0	15.0	20	25	9.7	4,480
	RM6E311FDA RM6E374FDA	15.0	20.3	20	25	19.3	8,860
	RM6E469FDA RM6E564FDA	15.0	30.0	20	35	29.0	13,340
4 FPI	RM4E110FDA RM4E143FDA	15.0	15.0	20	25	9.7	4,480
	RM4E232FDA RM4E288FDA	15.0	20.3	20	25	19.3	8,860
	RM4E336FDA RM4E419FDA	15.0	30.0	20	35	29.0	13,340

NOTES:

1. EcoNet Enabled Units are not powered by Condensing Unit so Defrost Heaters are incorporated into shown MCA/MOPD.  
^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.  
† Dual Speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.

APPLICATION RATING AND ELECTRICAL DATA // LOW TEMP ELECTRIC DEFROST

Model No.		460V/3				Heater Amps	Heater Watts
		MCA		MOPD			
		Base Model	EcoNet Enabled <sup>1</sup>	Base Model	EcoNet Enabled <sup>1</sup>	460V/3	
6 FPI	RM6E153GDA RM6E184GDA	15.0	15.0	20	20	5.6	4,480
	RM6E311GDA RM6E374GDA	15.0	15.0	20	20	11.1	8,860
	RM6E469GDA RM6E564GDA	15.0	17.7	20	20	16.7	13,340
4 FPI	RM4E110GDA RM4E143GDA	15.0	15.0	20	20	5.6	4,480
	RM4E232GDA RM4E288GDA	15.0	15.0	20	20	11.1	8,860
	RM4E336GDA RM4E419GDA	15.0	17.7	20	20	16.7	13,340

NOTES:

1. EcoNet Enabled Units are not powered by Condensing Unit so Defrost Heaters are incorporated into shown MCA/MOPD.  
^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.  
† Dual Speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.



APPLICATION RATING AND ELECTRICAL DATA // MEDIUM TEMP ELECTRIC DEFROST

Model No.	BTUH Capacity @ +25°F S.T. & 10°F TD¹		CFM	No. of Fans	Total Fan Motor AMPS Dual Speed EC Motors† Motor Voltage	
	404/744 DX	407/448/449			208-230V/1	460V/1
RM6D181*DA	18,200	21,100	3,190	1	1.9	1.2
RM6D219*DA	22,000	25,800	2,950			
RM6D275*DA	27,600	32,300	6,950			
RM6D369*DA	37,000	43,100	6,380	2	3.8	2.4
RM6D441*DA	44,200	51,900	5,900			
RM6D548*DA	54,900	64,200	9,580	3	5.7	3.6
RM6D657*DA	65,800	76,900	8,860			

Model No.	208-230V/1				Heater Amps	Heater Watts
	MCA		MOPD			
	Base Model	EcoNet Enabled <sup>1</sup>	Base Model	EcoNet Enabled <sup>1</sup>	208-230V/1	
RM6D181DDA	15.0	20.5	20	25	19.5	4,480
RM6D219DDA						
RM6D275DDA	20	40.5	20	45	38.5	8,860
RM6D369DDA						
RM6D441DDA						

Model No.	208-230V/3				Heater Amps	Heater Watts
	MCA		MOPD			
	Base Model	EcoNet Enabled <sup>1</sup>	Base Model	EcoNet Enabled <sup>1</sup>	208-230V/3	
RM6D181EDA	15.0	15.0	20	25	11.2	4,480
RM6D219EDA						
RM6D275EDA	15.0	23.2	20	25	22.2	8,860
RM6D369EDA						
RM6D441EDA	15.0	35.5	20	40	33.5	13,340
RM6D548EDA						
RM6D657EDA						

NOTES:

1. EcoNet Enabled Units are not powered by Condensing Unit so Defrost Heaters are incorporated into shown MCA/MOPD.  
^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.  
† Dual Speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.

APPLICATION RATING AND ELECTRICAL DATA // MEDIUM TEMP ELECTRIC DEFROST

Model No.	460V/1				Heater Amps	Heater Watts
	MCA		MOPD			
	Base Model	EcoNet Enabled¹	Base Model	EcoNet Enabled¹	460V/1	
RM6D181FDA	15.0	15.0	20	25	9.7	4,480
RM6D219FDA						
RM6D275FDA						
RM6D369FDA	15.0	20.3	20	25	19.3	8,860
RM6D441FDA						
RM6D548FDA						
RM6D657FDA	15.0	30.0	20	35	29.0	13,340

Model No.	460V/3				Heater Amps	Heater Watts
	MCA		MOPD			
	Base Model	EcoNet Enabled <sup>1</sup>	Base Model	EcoNet Enabled <sup>1</sup>	460V/1	
RM6D181GDA	15.0	15.0	20	20	5.6	4,480
RM6D219GDA						
RM6D275GDA	15.0	15.0	20	20	11.1	8,860
RM6D369GDA						
RM6D441GDA	15.0	17.7	20	20	16.7	13,340
RM6D548GDA						
RM6D657GDA						

NOTES:

1. EcoNet Enabled Units are not powered by Condensing Unit so Defrost Heaters are incorporated into shown MCA/MOPD.  
^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.  
† Dual Speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.

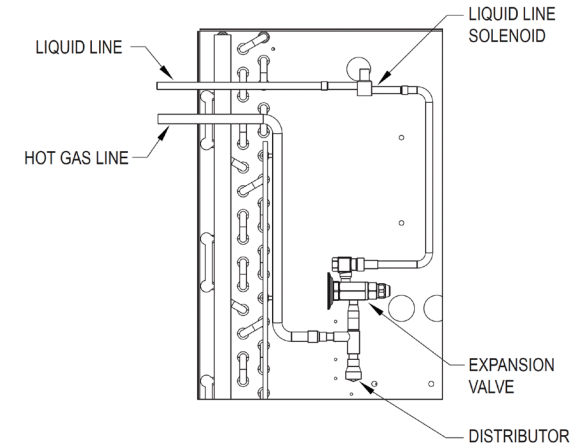
APPLICATION RATING AND ELECTRICAL DATA // HOT GAS 3-PIPE DEFROST

Hot Gas 3-Pipe Model No.		BTUH Capacity @ -20°F S.T. & 10°F TD¹		CFM	No. of Fans	Total Fan Motor AMPS Dual Speed EC Motors¹ Motor Voltage		MCA	MOPD
		R404A	R407A/ R448A/R449A^			208-230V/1	460V/1		
6 FPI	RM6H153*DA	15,300	17,400	2,250	1	1.9	1.2	15.0	20
	RM6H184*DA	18,400	21,100	2,090					
	RM6H311*DA	31,100	35,700	4,500	2	3.8	2.4	15.0	20
	RM6H374*DA	37,400	42,900	4,180					
	RM6H469*DA	46,900	53,600	6,750	3	5.7	3.6	15.0	20
	RM6H564*DA	56,400	64,300	6,270					
4 FPI	RM6H110*DA	11,000	12,400	2,350	1	1.9	1.2	15.0	20
	RM6H143*DA	14,300	16,200	2,210					
	RM6H232*DA	23,200	26,100	4,690	2	3.8	2.4	15.0	20
	RM6H288*DA	28,800	32,700	4,420					
	RM6H336*DA	33,600	38,300	7,040	3	5.7	3.6	15.0	20
	RM6H419*DA	41,900	47,600	6,640					

	Hot Gas 3-Pipe Model No.	Drain Pan Heater Amps		Drain Pan Heater Watts
		208-230V/1	460V/1	
6 FPI	RM6H153*DA	15,300	15,300	1,480
	RM6H184*DA			
	RM6H311*DA	15,300	15,300	2,960
	RM6H374*DA			
	RM6H469*DA	15,300	15,300	4,440
	RM6H564*DA			
4 FPI	RM6H110*DA	15,300	15,300	1,480
	RM6H143*DA			
	RM6H232*DA	15,300	15,300	2,960
	RM6H288*DA			
	RM6H336*DA	15,300	15,300	4,440
	RM6H419*DA			

HOT GAS 3-PIPE MODEL

The system uses 3 pipes — 1 for liquid line, 1 for suction line and 1 for hot gas. The hot gas is taken from the discharge line, between the compressor and the condenser, through a hot-gas solenoid valve to the distributor tee then through the coil.



NOTES:

Capacity Correction for Hot Gas Defrost Evaporators						
S.S.T. (Dew)	20°F	0°F	-10°F	-20°F	-30°F	-40°F
Multiply Capacity by:	1.15	1.075	1.0375	1	0.9625	0.925

\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.  
+ Hot Gas models include an electric drain pan. † Dual Speed EC motors are compliant with California Title 24 regulations.  
^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.

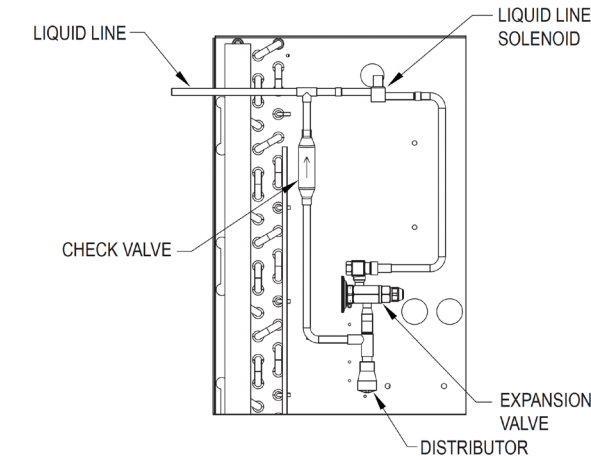
APPLICATION RATING AND ELECTRICAL DATA // HOT GAS REVERSE CYCLE

Hot Gas Reverse Cycle Model No.*		BTUH Capacity @ -20°F S.T. & 10°F TD¹		CFM	No. of Fans	Total Fan Motor AMPS Dual Speed EC Motors† Motor Voltage		MCA	MOPD
		R404A	R407A/ R448A/R449A^			208-230V/1	460V/1		
6 FPI	RM6G153*DA	15,300	17,400	2,250	1	1.9	1.2	15.0	20
	RM6G184*DA	18,400	21,100	2,090					
	RM6G311*DA	31,100	35,700	4,500	2	3.8	2.4	15.0	20
	RM6G374*DA	37,400	42,900	4,180					
	RM6G469*DA	46,900	53,600	6,750	3	5.7	3.6	15.0	20
	RM6G564*DA	56,400	64,300	6,270					
4 FPI	RM6G110*DA	11,000	12,400	2,350	1	1.9	1.2	15.0	20
	RM6G143*DA	14,300	16,200	2,210					
	RM6G232*DA	23,200	26,100	4,690	2	3.8	2.4	15.0	20
	RM6G288*DA	28,800	32,700	4,420					
	RM6G336*DA	33,600	38,300	7,040	3	5.7	3.6	15.0	20
	RM6G419*DA	41,900	47,600	6,640					

	Hot Gas Reverse Cycle Model No.*	Drain Pan Heater Amps		Drain Pan Heater Watts
		208-230V/1	460V/1	
6 FPI	RM6G153*DA	6.4	3.2	1,480
	RM6G184*DA			
	RM6G311*DA	12.9	6.4	2,960
	RM6G374*DA			
	RM6G469*DA	19.3	9.7	4,440
	RM6G564*DA			
4 FPI	RM6G110*DA	6.4	3.2	1,480
	RM6G143*DA			
	RM6G232*DA	12.9	6.4	2,960
	RM6G288*DA			
	RM6G336*DA	19.3	9.7	4,440
	RM6G419*DA			

HOT GAS REVERSE CYCLE 2-PIPE MODEL

A changeover valve is located in the discharge suction line of the compressor, so that when defrost is required, the valve changes over from the normal refrigeration flow so that the discharged gas flows into the suction connection and bypasses TX valve.



NOTES:

Capacity Correction for Hot Gas Defrost Evaporators						
S.S.T. (Dew)	20°F	0°F	-10°F	-20°F	-30°F	-40°F
Multiply Capacity by:	1.15	1.075	1.0375	1	0.9625	0.925

\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.  
+ Hot Gas models include an electric drain pan. † Dual Speed EC motors are compliant with California Title 24 regulations.  
^ R407A, R448A and R449A are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.

Models were designed in anticipation of the July 2020 Department of Energy Annual Walk-in Energy Factor (AWEF) regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See page 20 for AWEF compliance ratings.



DISTRIBUTOR NOZZLE AND EXPANSION VALVES // AIR DEFROST MODELS

Model No.		Part Numbers						No. of Circuits
		Nozzle @ Liq. Temp.		TXV^ @ Liq. Temp.		EEV @ Liq. Temp.		
		50°F	105°F	50°F	105°F	50°F	105°F	
R404A								
6 FPI	RM6A182*DA	L-3/4	L-2	SBFSE-B-C	SBFSE-B-C	SER-B	SER-B	4
	RM6A220*DA	L-3/4	L-2-1/2	SBFSE-B-C	SBFSE-B-C	SER-B	SER-B	6
	RM6A276*DA	L-1	L-3	SBFSE-B-C	SBFSE-B-C	SER-B	SER-C	8
	RM6A370*DA	L-1-1/2	L-4	SBFSE-C-C	SBFSE-C-C	SER-C	SER-C	9
	RM6A442*DA	G-1-1/2	G-5	EBSSE-6-C	EBSSE-6-C	SER-C	SER-C	12
	RM6A549*DA	G-2	G-6	EBSSE-6-C	EBSSE-6-C	SER-C	SER-C	12
	RM6A658*DA	G-2-1/2	G-8	EBSSE-6-C	EBSSE-6-C	SER-C	SER-D	16
R407A/ R407C†								
6 FPI	RM6A182*DA	L-3/4	L-2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	4
	RM6A220*DA	L-3/4	L-2-1/2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	6
	RM6A276*DA	L-1	L-3	SBFDE-B-C	SBFDE-B-C	SER-B	SER-C	8
	RM6A370*DA	L-1-1/2	L-4	SBFDE-C-C	SBFDE-C-C	SER-C	SER-C	9
	RM6A442*DA	G-1-1/2	G-5	SBFDE-C-C	SBFDE-C-C	SER-C	SER-C	12
	RM6A549*DA	G-2	G-6	EBSDE-7-C	SBFDE-C-C	SER-C	SER-C	12
	RM6A658*DA	G-2-1/2	G-8	EBSDE-7-C	EBSDE-7-C	SER-C	SER-D	16
R448A/ R449A†								
6 FPI	RM6A182*DA	L-3/4	L-2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	4
	RM6A220*DA	L-3/4	L-2-1/2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	6
	RM6A276*DA	L-1	L-3	SBFDE-C-C	SBFDE-C-C	SER-B	SER-C	8
	RM6A370*DA	L-1-1/2	L-4	SBFDE-C-C	SBFDE-C-C	SER-C	SER-C	9
	RM6A442*DA	G-1-1/2	G-5	SBFDE-C-C	EBSDE-7-C	SER-C	SER-C	12
	RM6A549*DA	G-2	G-6	EBSDE-7-C	EBSDE-7-C	SER-C	SER-C	12
	RM6A658*DA	G-2-1/2	G-8	EBSDE-7-C	EBSDE-7-C	SER-C	SER-D	16

NOTES:  
The distributor lines are 3/16" tube & 21" long.  
\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.  
^ TXV selections are based on +25°F suction temp., 8°F to 12°F evaporator TD. Contact factory for operating conditions outside of this range.  
† SBFDE expansion valves are compatible with R407A, R448A and R449A/B. For other valves, follow manufacturers selection guidelines.  
Base models (no factory-mounted components) include nozzles sized for 100°F liquid shipped loose.

TYPICAL APPLICATIONS:



Small to Medium Warehouses



Industrial and Pharmaceuticals



Walk-in Coolers and Freezers

DISTRIBUTOR NOZZLE AND EXPANSION VALVES // LOW TEMP ELECTRIC DEFROST

Model No.		Part Numbers						No. of Circuits
		Nozzle @ Liq. Temp.		TXV^ @ Liq. Temp.		EEV @ Liq. Temp.		
		50°F	105°F	50°F	105°F	50°F	105°F	
R404A								
6 FPI	RM6E153*DA	L-1-1/2	L-2-1/2	SBFSE-B-Z	SBFSE-B-Z	SER-B	SER-B	6
	RM6E184*DA	L-1-1/2	L-3	SBFSE-B-Z	SBFSE-C-Z	SER-B	SER-B	8
	RM6E311*DA	G-2-1/2	G-5	SBFSE-C-Z	EBSSSE-6-Z	SER-B	SER-C	12
	RM6E374*DA	G-3	G-6	EBSSSE-6-Z	EBSSSE-6-Z	SER-C	SER-C	16
	RM6E469*DA	G-4	G-10	EBSSSE-6-Z	EBSSSE-7-1/2-Z	SER-C	SER-C	18
	RM6E564*DA	G-5	G-12	EBSSSE-7-1/2-Z	EBSSSE-10-Z	SER-C	SER-C	24
4 FPI	RM4E110*DA	L-1	L-2	SBFSE-A-Z	SBFSE-A-Z	SER-A	SER-A	4
	RM4E143*DA	L-1-1/2	L-2-1/2	SBFSE-A-Z	SBFSE-B-Z	SER-A	SER-B	6
	RM4E232*DA	L-2	L-4	SBFSE-B-Z	SBFSE-C-Z	SER-B	SER-B	9
	RM4E288*DA	G-2-1/2	G-5	SBFSE-C-Z	EBSSSE-6-Z	SER-B	SER-C	12
	RM4E336*DA	G-3	G-6	SBFSE-C-Z	EBSSSE-6-Z	SER-C	SER-C	12
	RM4E419*DA	G-4	G-8	EBSSSE-6-Z	EBSSSE-6-Z	SER-C	SER-C	16
R407A/ R407C†								
6 FPI	RM6E153*DA	L-1-1/2	L-2-1/2	SBFDE-B-Z	SBFDE-B-Z	SER-A	SER-B	6
	RM6E184*DA	L-1-1/2	L-3	SBFDE-B-Z	SBFDE-B-Z	SER-B	SER-B	8
	RM6E311*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM6E374*DA	G-3	G-6	SBFDE-C-Z	EBSDSE-7-Z	SER-C	SER-C	16
	RM6E469*DA	G-4	G-10	EBSDSE-7-Z	EBSDSE-7-Z	SER-C	SER-C	18
	RM6E564*DA	G-5	G-12	EBSDSE-7-Z	EBSDSE-10-Z	SER-C	SER-C	24
4 FPI	RM4E110*DA	L-1	L-2	SBFDE-A-Z	SBFDE-A-Z	SER-A	SER-A	4
	RM4E143*DA	L-1-1/2	L-2-1/2	SBFDE-B-Z	SBFDE-B-Z	SER-A	SER-B	6
	RM4E232*DA	L-2	L-4	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-B	9
	RM4E288*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM4E336*DA	G-3	G-6	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM4E419*DA	G-4	G-8	EBSDSE-7-Z	EBSDSE-7-Z	SER-C	SER-C	16
R448A/ R449A†								
6 FPI	RM6E153*DA	L-1-1/2	L-2-1/2	SBFDE-B-Z	SBFDE-B-Z	SER-A	SER-B	6
	RM6E184*DA	L-1-1/2	L-3	SBFDE-B-Z	SBFDE-B-Z	SER-B	SER-B	8
	RM6E311*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM6E374*DA	G-3	G-6	EBSDSE-7-Z	EBSDSE-7-Z	SER-C	SER-C	16
	RM6E469*DA	G-4	G-10	EBSDSE-7-Z	EBSDSE-7-Z	SER-C	SER-C	18
	RM6E564*DA	G-5	G-12	EBSDSE-10-Z	EBSDSE-10-Z	SER-C	SER-C	24
4 FPI	RM4E110*DA	L-1	L-2	SBFDE-A-Z	SBFDE-A-Z	SER-A	SER-A	4
	RM4E143*DA	L-1-1/2	L-2-1/2	SBFDE-A-Z	SBFDE-A-Z	SER-A	SER-B	6
	RM4E232*DA	L-2	L-4	SBFDE-B-Z	SBFDE-C-Z	SER-B	SER-B	9
	RM4E288*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM4E336*DA	G-3	G-6	SBFDE-C-Z	EBSDSE-7-Z	SER-B	SER-C	12
	RM4E419*DA	G-4	G-8	EBSDSE-7-Z	EBSDSE-7-Z	SER-C	SER-C	16

NOTES:  
The distributor lines are 3/16" tube & 21" long.  
\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.  
^ TXV selections are based on +25°F suction temp., 8°F to 12°F evaporator TD. Contact factory for operating conditions outside of this range.  
Do not use pressure limiting TXVs when the condensing unit includes a CPR valve.  
† SBFDE expansion valves are compatible with R407A, R448A and R449A/B. For other valves, follow manufacturers selection guidelines.  
Base models (no factory-mounted components) include nozzles sized for 100°F liquid shipped loose.



DISTRIBUTOR NOZZLE AND EXPANSION VALVES // MED TEMP ELECTRIC DEFROST

Model No.		Part Numbers						No. of Circuits
		Nozzle @ Liq. Temp.		TXV @ Liq. Temp.		EEV @ Liq. Temp.		
		50°F	105°F	50°F	105°F	50°F	105°F	
R404A								
6 FPI	RM6D181*DA	L-3/4	L-2	SBFSE-B-C	SBFSE-B-C	SER-B	SER-B	4
	RM6D219*DA	L-3/4	L-2-1/2	SBFSE-B-C	SBFSE-B-C	SER-B	SER-B	6
	RM6D275*DA	L-1	L-3	SBFSE-B-C	SBFSE-C-C	SER-B	SER-C	8
	RM6D369*DA	L-1-1/2	L-4	SBFSE-C-C	SBFSE-C-C	SER-C	SER-C	9
	RM6D441*DA	G-1-1/2	G-5	EBSSE-6-C	EBSSE-6-C	SER-C	SER-C	12
	RM6D548*DA	G-2	G-6	EBSSE-6-C	EBSSE-6-C	SER-C	SER-C	12
	RM6D657*DA	G-2-1/2	G-8	EBSSE-6-C	EBSSE-6-C	SER-C	SER-D	16
R407A/R407C								
6 FPI	RM6D181*DA	L-3/4	L-2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	4
	RM6D219*DA	L-3/4	L-2-1/2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	6
	RM6D275*DA	L-1	L-3	SBFDE-B-C	SBFDE-B-C	SER-B	SER-C	8
	RM6D369*DA	L-1-1/2	L-4	SBFDE-C-C	SBFDE-C-C	SER-C	SER-C	9
	RM6D441*DA	G-1-1/2	G-5	SBFDE-C-C	SBFDE-C-C	SER-C	SER-C	12
	RM6D548*DA	G-2	G-6	EBSDE-7-C	SBFDE-C-C	SER-C	SER-C	12
	RM6D657*DA	G-2-1/2	G-8	EBSDE-7-C	EBSDE-7-C	SER-C	SER-D	16
R448A/R449A								
6 FPI	RM6D181*DA	L-3/4	L-2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	4
	RM6D219*DA	L-3/4	L-2-1/2	SBFDE-B-C	SBFDE-B-C	SER-B	SER-B	6
	RM6D275*DA	L-1	L-3	SBFDE-C-C	SBFDE-C-C	SER-B	SER-C	8
	RM6D369*DA	L-1-1/2	L-4	SBFDE-C-C	SBFDE-C-C	SER-C	SER-C	9
	RM6D441*DA	G-1-1/2	G-5	SBFDE-C-C	EBSDE-7-C	SER-C	SER-C	12
	RM6D548*DA	G-2	G-6	EBSDE-7-C	EBSDE-7-C	SER-C	SER-C	12
	RM6D657*DA	G-2-1/2	G-8	EBSDE-7-C	EBSDE-7-C	SER-C	SER-D	16

DISTRIBUTOR NOZZLE AND EXPANSION VALVES // HOT GAS DEFROST

Model No.		Part Numbers						No. of Circuits
		Nozzle @ Liq. Temp.		TXV^ @ Liq. Temp.		EEV @ Liq. Temp.		
		50°F	105°F	50°F	105°F	50°F	105°F	
R404A								
6 FPI	RM6*153*DA	L-1-1/2	L-2-1/2	SBFSE-B-Z	SBFSE-B-Z	SER-B	SER-B	6
	RM6*184*DA	G-1-1/2	G-3	SBFSE-B-Z	SBFSE-C-Z	SER-B	SER-B	8
	RM6*311*DA	G-2-1/2	G-5	SBFSE-C-Z	EBSSSE-6-Z	SER-B	SER-C	12
	RM6*374*DA	G-3	G-6	EBSSSE-6-Z	EBSSSE-6-Z	SER-C	SER-C	16
	RM6*469*DA	G-4	G-10	EBSSSE-6-Z	EBSSSE-7-1/2-Z	SER-C	SER-C	18
	RM6*564*DA	G-5	G-12	EBSSSE-7-1/2-Z	EBSSSE-10-Z	SER-C	SER-C	24
4 FPI	RM4*110*DA	L-1	L-2	SBFSE-A-Z	SBFSE-A-Z	SER-A	SER-A	4
	RM4*143*DA	L-1-1/2	L-2-1/2	SBFSE-A-Z	SBFSE-B-Z	SER-A	SER-B	6
	RM4*232*DA	G-2	G-4	SBFSE-B-Z	SBFSE-C-Z	SER-B	SER-B	9
	RM4*288*DA	G-2-1/2	G-5	SBFSE-C-Z	EBSSSE-6-Z	SER-B	SER-C	12
	RM4*336*DA	G-3	G-6	SBFSE-C-Z	EBSSSE-6-Z	SER-C	SER-C	12
	RM4*419*DA	G-4	G-8	EBSSSE-6-Z	EBSSSE-6-Z	SER-C	SER-C	16
R407A/ R407C†								
6 FPI	RM6*153*DA	L-1-1/2	L-2-1/2	SBFDE-B-Z	SBFDE-B-Z	SER-A	SER-B	6
	RM6*184*DA	G-1-1/2	G-3	SBFDE-B-Z	SBFDE-B-Z	SER-B	SER-B	8
	RM6*311*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM6*374*DA	G-3	G-6	SBFDE-C-Z	EBSSDE-7-Z	SER-C	SER-C	16
	RM6*469*DA	G-4	G-10	EBSSDE-7-Z	EBSSDE-7-Z	SER-C	SER-C	18
	RM6*564*DA	G-5	G-12	EBSSDE-7-Z	EBSSDE-10-Z	SER-C	SER-C	24
4 FPI	RM4*110*DA	L-1	L-2	SBFDE-A-Z	SBFDE-A-Z	SER-A	SER-A	4
	RM4*143*DA	L-1-1/2	L-2-1/2	SBFDE-B-Z	SBFDE-B-Z	SER-A	SER-B	6
	RM4*232*DA	G-2	G-4	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-B	9
	RM4*288*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM4*336*DA	G-3	G-6	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-C	12
	RM4*419*DA	G-4	G-8	EBSSDE-7-Z	EBSSDE-7-Z	SER-C	SER-C	16
R448A/ R449A†								
6 FPI	RM6*153*DA	L-1-1/2	L-2-1/2	SBFDE-B-Z	SBFDE-B-Z	SER-A	SER-A	6
	RM6*184*DA	G-1-1/2	G-3	SBFDE-B-Z	SBFDE-B-Z	SER-B	SER-B	8
	RM6*311*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-B	12
	RM6*374*DA	G-3	G-6	EBSSDE-7-Z	EBSSDE-7-Z	SER-C	SER-C	16
	RM6*469*DA	G-4	G-10	EBSSDE-7-Z	EBSSDE-7-Z	SER-C	SER-C	18
	RM6*564*DA	G-5	G-12	EBSSDE-10-Z	EBSSDE-10-Z	SER-C	SER-C	24
4 FPI	RM4*110*DA	L-1	L-2	SBFDE-A-Z	SBFDE-A-Z	SER-A	SER-A	4
	RM4*143*DA	L-1-1/2	L-2-1/2	SBFDE-A-Z	SBFDE-A-Z	SER-A	SER-A	6
	RM4*232*DA	G-2	G-4	SBFDE-B-Z	SBFDE-C-Z	SER-B	SER-B	9
	RM4*288*DA	G-2-1/2	G-5	SBFDE-C-Z	SBFDE-C-Z	SER-B	SER-B	12
	RM4*336*DA	G-3	G-6	SBFDE-C-Z	EBSSDE-7-Z	SER-B	SER-B	12
	RM4*419*DA	G-4	G-8	EBSSDE-7-Z	EBSSDE-7-Z	SER-C	SER-C	16

NOTES:  
The distributor lines are 1/4" tube & 21" long.  
\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.  
^ TXV selections are based on +25°F suction temp., 8°F to 12°F evaporator TD. Contact factory for operating conditions outside of this range.  
Do not use pressure limiting TXVs when the condensing unit includes a CPR valve.  
† SBFDE expansion valves are compatible with R407A, R448A and R449A/B. For other valves, follow manufacturers selection guidelines.  
Base models (no factory-mounted components) include nozzles sized for 100°F liquid shipped loose.

SPECIFICATIONS // AIR DEFROST MODELS

	Model No.	Fan Diam. (Inches)	Motor Data			Refrigerant Connections		No. of Hanger Slot Locations	Fig.	Unit Dimensions (Inches)			Approx. Unit Wt. (Lbs.)
			Motor Qty.	HP	RPM	Liquid Line <sup>^</sup>	Suction			L	W	H	
6 FPI	RM6A182*DA	24	1	1/3	850	3/8	7/8	4	1	47-1/2	21-5/16	33-7/8	120
	RM6A220*DA	24	1	1/3	850	3/8	7/8	4	1	47-1/2	21-5/16	33-7/8	120
	RM6A276* DA	24	2	1/3	850	1/2	1-1/8	6	2	80-1/2	21-5/16	33-7/8	220
	RM6A370*DA	24	2	1/3	850	1/2	1-1/8	6	2	80-1/2	21-5/16	33-7/8	220
	RM6A442*DA	24	2	1/3	850	5/8	1-1/8	6	2	80-1/2	21-5/16	33-7/8	220
	RM6A549*DA	24	3	1/3	850	5/8	1-3/8	8	3	113-9/16	21-5/16	33-7/8	316
	RM6A658*DA	24	3	1/3	850	5/8	1-3/8	8	3	113-9/16	21-5/16	33-7/8	316

Shipping Information - All Models				
No. of Fans	Shipping Dimensions (Inches)			Approx. Unit Wt. (Lbs.)
	L	W	H	
1	60	43-1/4	48-1/2	346
2	93	43-1/4	48-1/2	510
3	106	43-1/4	48-1/2	673

NOTES:  
\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.  
<sup>^</sup> For units with mounted TXV components. See Nozzle/TXV table for distributor connection size when TXV is field installed.  
1. For dimensional distance between hanger slots, consult model's corresponding dimension drawing. Hanger slots are 3/8" deep x 1" wide.  
2. Drain is 1-1/4" NPT for all models.



Russell's Medium Profile Unit Cooler can be used in combination with Next-Gen MiniCon and Next-Gen II Condensing Units to provide complete refrigeration solutions for small to medium walk-ins.

SPECIFICATIONS // ELECTRIC AND HOT GAS MODELS

	Model No. RM*E/G/H	Fan Diameter (Inches)	Motor Data			Refrigerant Connections			No. of Hanger Slot Locations
			Motor Qty.	HP	RPM	Liquid Line <sup>^</sup>	Suction	3-Pipe Hot Gas Line	
6 FPI	RM6*153*DA	24	1	1/3	850	3/8	1-1/8	1/2	4
	RM6*184*DA	24	1	1/3	850	3/8	1-1/8	1/2	4
	RM6*311*DA	24	2	1/3	850	1/2	1-5/8	5/8	6
	RM6*374*DA	24	2	1/3	850	5/8	1-5/8	7/8	6
	RM6*469*DA	24	3	1/3	850	5/8	2-1/8	7/8	8
	RM6*564*DA	24	3	1/3	850	5/8	2-1/8	7/8	8
4 FPI	RM4*110*DA	24	1	1/3	850	3/8	1-1/8	1/2	4
	RM4*143*DA	24	1	1/3	850	3/8	1-1/8	1/2	4
	RM4*232*DA	24	2	1/3	850	1/2	1-3/8	5/8	6
	RM4*288*DA	24	2	1/3	850	1/2	1-3/8	5/8	6
	RM4*336*DA	24	3	1/3	850	1/2	1-5/8	5/8	8
	RM4*419*DA	24	3	1/3	850	5/8	1-5/8	7/8	8

	No. of Fans	Figure	Unit Dimensions (Inches)			Approx. Unit Wt. (Lbs.)
			L	W	H	
6 FPI	RM6*153*DA	1	47-1/2	21-5/16	33-7/8	120
	RM6*184*DA	1	47-1/2	21-5/16	33-7/8	120
	RM6*311*DA	2	80-1/2	21-5/16	33-7/8	220
	RM6*374*DA	2	80-1/2	21-5/16	33-7/8	220
	RM6*469*DA	3	113-9/16	21-5/16	33-7/8	320
	RM6*564*DA	3	113-9/16	21-5/16	33-7/8	320
4 FPI	RM4*110*DA	1	47-1/2	21-5/16	33-7/8	120
	RM4*143*DA	1	47-1/2	21-5/16	33-7/8	120
	RM4*232*DA	2	80-1/2	21-5/16	33-7/8	220
	RM4*288*DA	2	80-1/2	21-5/16	33-7/8	220
	RM4*336*DA	3	113-9/16	21-5/16	33-7/8	320
	RM4*419*DA	3	113-9/16	21-5/16	33-7/8	320

NOTES:  
\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.  
<sup>^</sup> For units with mounted TXV components. See Nozzle/TXV table for distributor connection size when TXV is field installed.  
1. For dimensional distance between hanger slots, consult model's corresponding dimension drawing. Hanger slots are 3/8" deep x 1" wide.  
2. Drain is 1-1/4" NPT for all models.  
3. For shipping dimensions and weights, see Shipping Information table on page 17.



SPECIFICATIONS // ALL MODELS

Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings			
Base Model Number	Defrost Type	FPI	AWEF
COOLER MODELS			
RM6A182*DA	Air Defrost	6	9
RM6A220*DA	Air Defrost	6	9
RM6A276*DA	Air Defrost	6	9
RM6A370*DA	Air Defrost	6	9
RM6A442*DA	Air Defrost	6	9
RM6A549*DA	Air Defrost	6	9
RM6A658*DA	Air Defrost	6	9
RM6*153*DA	Hot Gas Defrost	6	9
RM6*184*DA	Hot Gas Defrost	6	9
RM6*311*DA	Hot Gas Defrost	6	9
RM6*374*DA	Hot Gas Defrost	6	9
RM6*469*DA	Hot Gas Defrost	6	9
RM6*564*DA	Hot Gas Defrost	6	9
RM6D181*DA	Electric Defrost	6	9
RM6D219*DA	Electric Defrost	6	9
RM6D275*DA	Electric Defrost	6	9
RM6D369*DA	Electric Defrost	6	9
RM6D441*DA	Electric Defrost	6	9
RM6D548*DA	Electric Defrost	6	9
RM6D657*DA	Electric Defrost	6	9

Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings			
Base Model Number	Defrost Type	FPI	AWEF
FREEZER MODELS <sup>2</sup>			
RM6E153*DA	Electric Defrost	6	4.15
RM6E184*DA	Electric Defrost	6	4.15
RM6E311*DA	Electric Defrost	6	4.15
RM6E374*DA	Electric Defrost	6	4.15
RM6E469*DA	Electric Defrost	6	4.15
RM6E564*DA	Electric Defrost	6	4.15
RM4E110*DA	Electric Defrost	4	4.15
RM4E143*DA	Electric Defrost	4	4.15
RM4E232*DA	Electric Defrost	4	4.15
RM4E288*DA	Electric Defrost	4	4.15
RM4E336*DA	Electric Defrost	4	4.15
RM4E419*DA	Electric Defrost	4	4.15
RM6*153*DA	Hot Gas Defrost	6	4.15
RM6*184*DA	Hot Gas Defrost	6	4.15
RM6*311*DA	Hot Gas Defrost	6	4.15
RM6*374*DA	Hot Gas Defrost	6	4.15
RM6*469*DA	Hot Gas Defrost	6	4.15
RM6*564*DA	Hot Gas Defrost	6	4.15
RM4*110*DA	Hot Gas Defrost	4	4.15
RM4*143*DA	Hot Gas Defrost	4	4.15
RM4*232*DA	Hot Gas Defrost	4	4.15
RM4*288*DA	Hot Gas Defrost	4	4.15
RM4*336*DA	Hot Gas Defrost	4	4.15
RM4*419*DA	Hot Gas Defrost	4	4.15

NOTES:

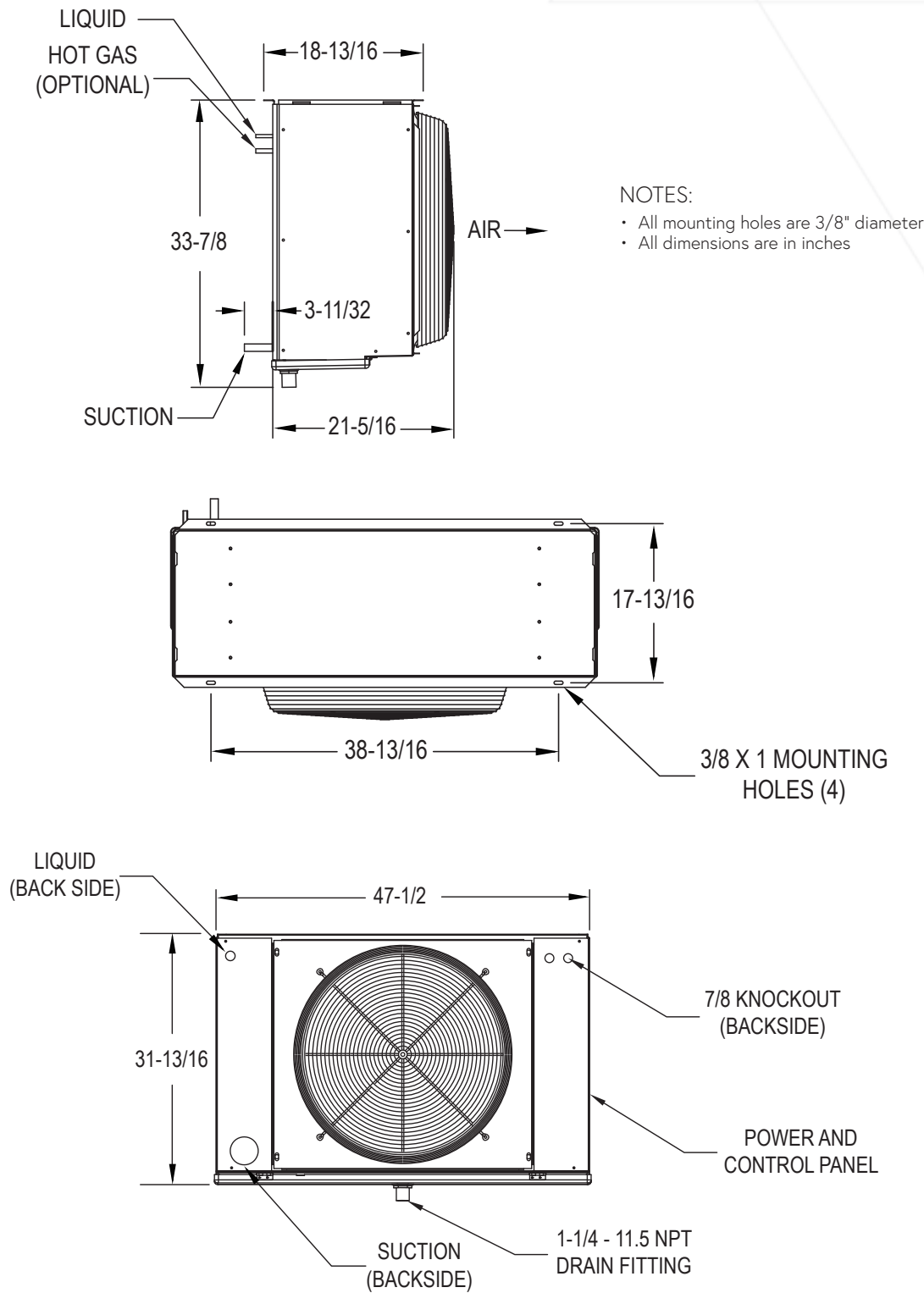
\* Each asterisk represents a variable character based on voltage ordered. See page 5 for nomenclature.

1. If the model has a numerical value in the table above, the following statement applies: "The refrigeration system is designed and certified for use in walk-in cooler applications."

2. If the model has a numerical value in the table above, the following statement applies: "The refrigeration system is designed and certified for use in walk-in freezer applications."

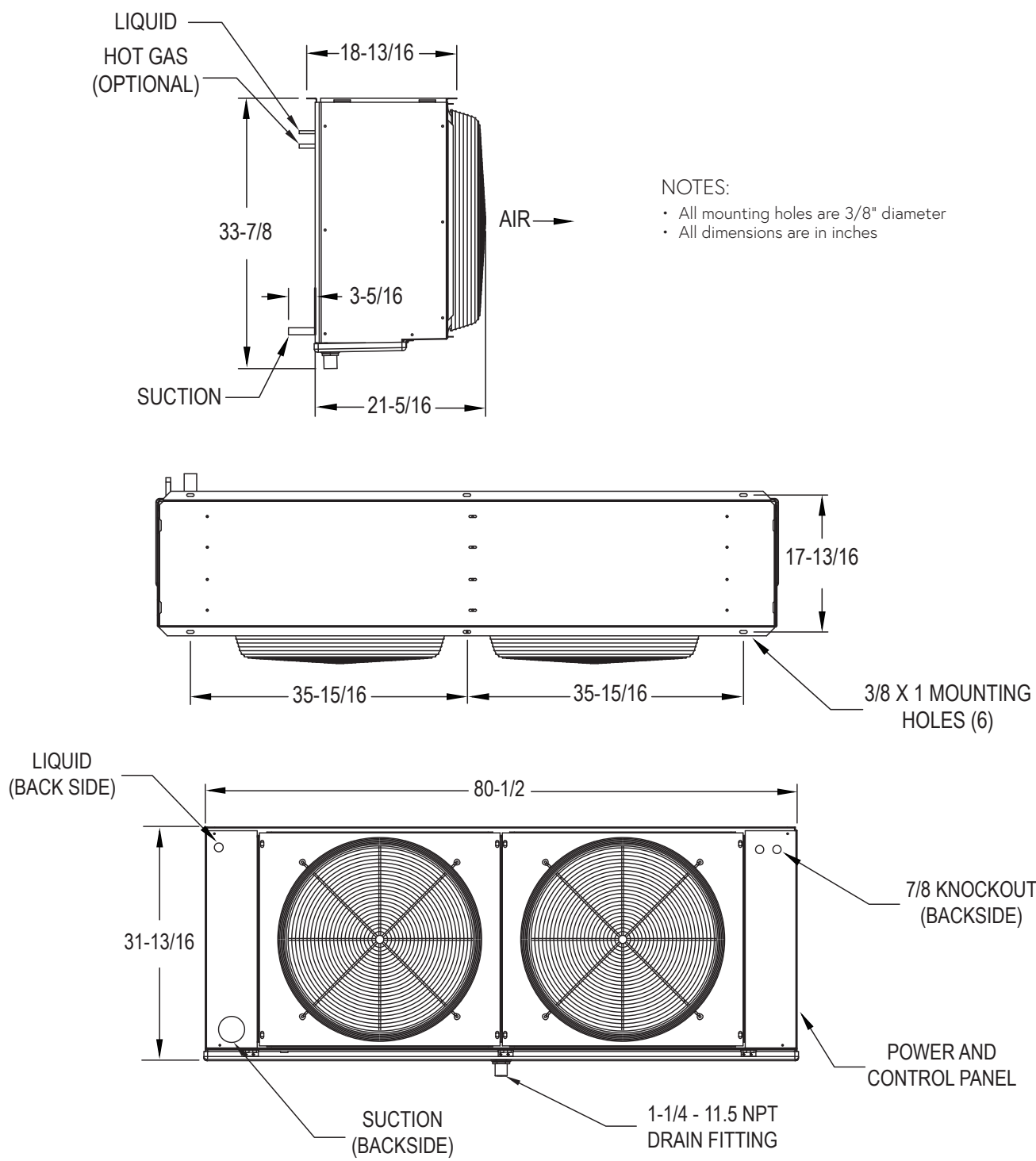
PHYSICAL DIMENSIONS

Figure 1 - Single Fan



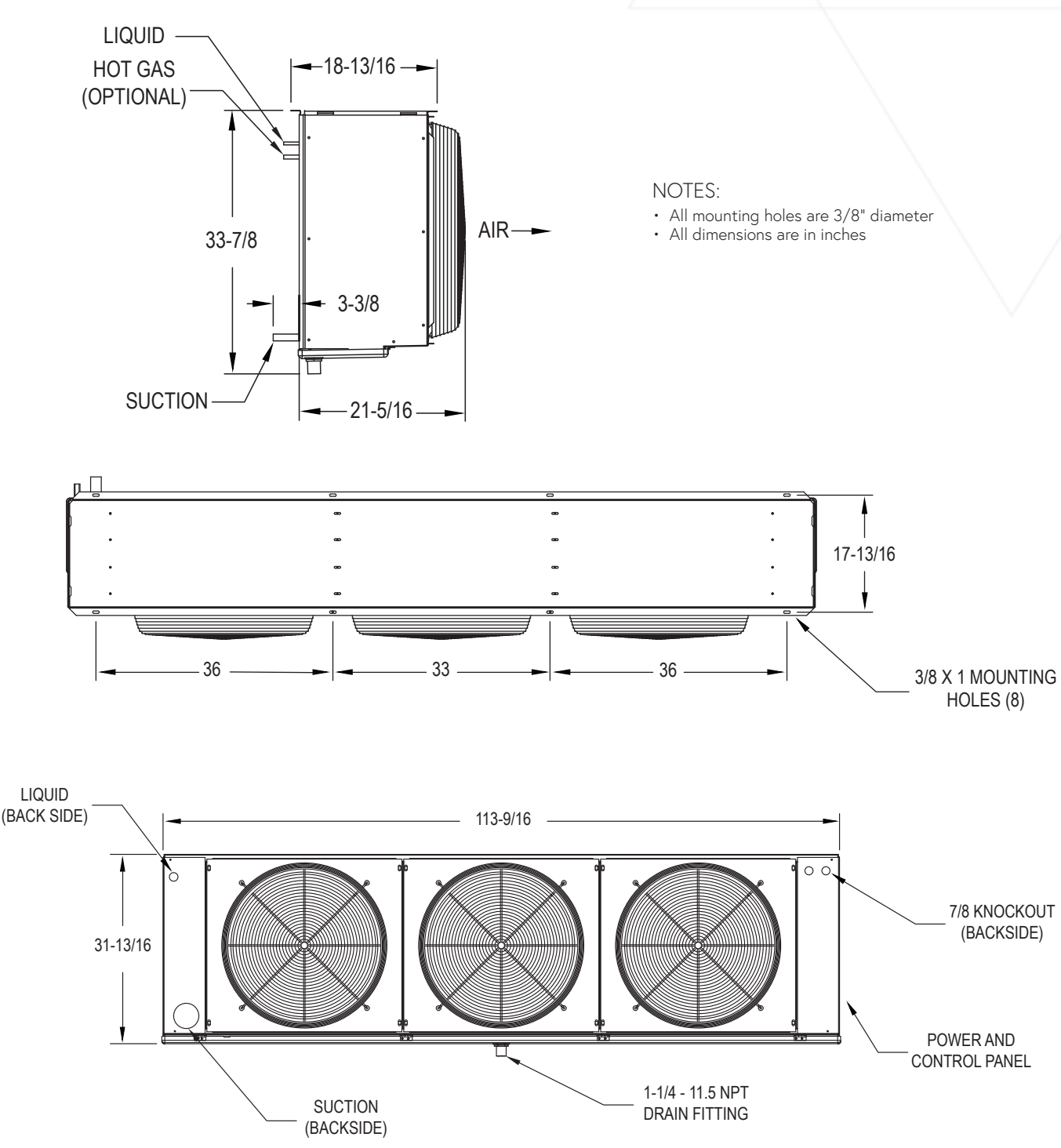
PHYSICAL DIMENSIONS

Figure 2 - Two Fan



PHYSICAL DIMENSIONS

Figure 3 - Three Fan





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