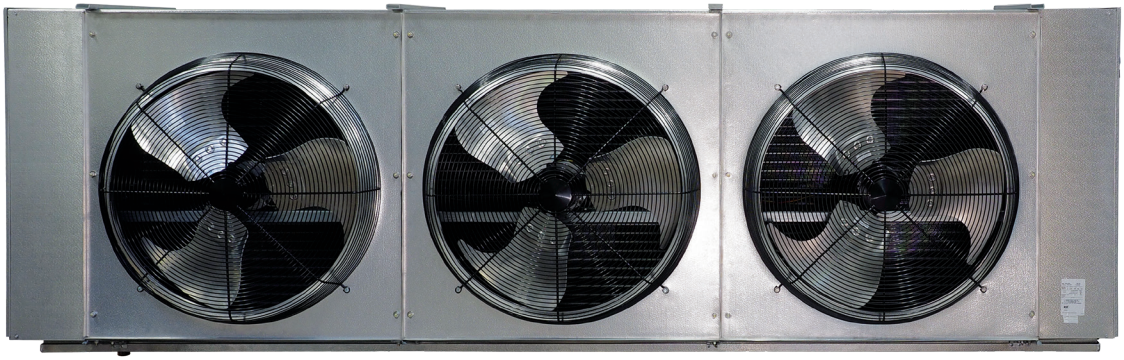
Russell

A2L
WAREHOUSE
UNIT COOLER



Walk-Ins: Medium to Large Cooler and Freezer Applications

Warehouse Unit Coolers are designed exclusively for applications 3,000 sq. ft. and larger.

Air Defrost

42,000 to 291,000 BTUH

Electric Defrost

42,000 to 293,800 BTUH

FEATURES

Our Warehouse Unit Coolers are the ideal evaporator solution for large walk-in coolers and freezers. Designed with efficiency, performance and service in mind, it's optimized to cover Cold Storage applications in the most effective way. They feature rail-mount three-phase motors with standard or high static pressure prop fan blades. All units are circuited for multiple refrigerants and feature optimized circuit patterns to maximize performance.

Warehouse Unit Coolers have several enhanced service features including new high efficiency fan and venturi designs, enhanced surface coil tubing, easily removable fan guards and modular fan panels, face mount defrost heaters, hinged drain pans and shipping pallets designed to facilitate easy installation.

Warehouse models are designed exclusively for use in walk-in coolers and freezers 3,000 sq. feet and larger and fall outside of the July 2020 Department of Energy Factor (AWEF) regulations.

SIZES

There are a wide array of sizes to match your specific application requirements ranging from 32,000 to 293,800 BTUH at a 10°F TD. Models are available with air flow spanning a range of 6,875 to 27,500 CFM.

HOUSING

Each unit is constructed with a rust-free, textured, aluminum housing which is light weight yet extremely durable. Models feature hinged 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. Heavy gauge hangers are fastened directly to the tube sheet of the coil to provide high structural strength. Low Temp 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

Models are offered with three-phase motors with standard or high static pressure prop fan blades.

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. High-static pressure prop fan blades are also available. Air throw for Warehouse Unit Coolers is 120 ft. with standard fan. If you require a high-static fan prop in an application above freezing, please contact factory.

REFRIGERANTS

Warehouse Unit Coolers are optimized for multiple refrigerants including R454A, R454C and R455A. 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.

AIR DEFROST

Air Defrost models are designed for use in coolers at +35°F and warmer.

ELECTRIC DEFROST - MEDIUM TEMP

Medium Temperature Electric Defrost Models are designed for use in coolers between +11°F and +35°F. Defrost heaters are mounted on the air intake side of the unit for optimal performance and easy maintenance. An additional heater is installed inside the drain pan for fast, reliable drainage. Adjustable defrost termination, fan delay and heater safety controls are factory mounted for optimum performance of each control function.

ELECTRIC DEFROST - LOW TEMP

Low Temperature Electric Defrost Models are designed for use in freezers between +10°F and -30°F. Defrost heaters are mounted on the air intake side of the unit for optimal performance and easy maintenance. An additional heater is installed inside the drain pan for fast, reliable drainage. Adjustable defrost termination, fan delay and heater safety controls are factory mounted for optimum performance of each control function.

ELECTRICAL

Available in 208-230V/3 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.

OPTIONAL FEATURES

- EcoNet® Enabled Controller[1] (factory-installed)
- EcoNet® Command Center (loose)
- Thermostat - Mechanical or Electric (mounted or loose)
- Thermostatic Expansion Valve (mounted or loose)
- Electronic Expansion Valve (mounted or loose)
- Safety Shut Off Valve (SSOV) in place Liquid Line Solenoid Available Loose for field installation.
- Insulated Drain Pan
- Painted Cabinet (White or Black)
- Stainless Steel Cabinet
- Coated Coil (Russproof, Heresite, Bronz-Glow, or Electrofin®)

1. EcoNet® Control Package includes: EEV, suction pressure transducer, suction 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, fan delay, and time clock.)

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 troubleshot outside of space being cooled.

MODEL NOMENCLATURE

R	A	W	6	E	143	E	T	A
Brand	Refrigerant Class	Style	Fins per Inch (FPI)	Defrost Type	BTUH in Thousands	Unit Voltage	Motor Type	Vintage
R = Russell	A = A2L	W = Warehouse Z = Opposite Hand W (LEFT)	4 FPI 6 FPI	A = Air D = Medium Temp Electric Defrost E = Low Temp Electric Defrost	XXX	E = 208-230/3/60 G = 460/3/60	T = 3-Phase H = 3-Phase with High-Static[1]	

EcoNet® approved refrigerants are: R454A, R454C. R455A.

[1] If you require a High-Static fan blade in an application above freezing, please contact factory.

APPLICATION RATING & ELECTRICAL DATA

AIR DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	BTUH Capacity @ 25°F SST & 10°F TD	CFM	No. of Fans	208-230V/3	460V/3
		R454A/R454C/ R455A			Total Fan Motor Amps	
6 FPI	RAW6A042*TA	42,000	7,080	1	4.1	2
	RAW6A057*TA	57,200	7,010	1	4.1	2
	RAW6A072*TA	71,700	6,875	1	4.1	2
	RAW6A084*TA	84,100	14,160	2	8.2	4
	RAW6A116*TA	116,000	14,030	2	8.2	4
	RAW6A143*TA	144,000	13,750	2	8.2	4
	RAW6A173*TA	173,000	21,040	3	12.3	6
	RAW6A216*TA	216,000	20,625	3	12.3	6
	RAW6A235*TA	235,100	28,050	4	16.4	8
	RAW6A291*TA	291,000	27,500	4	16.4	8

	Model No.	208-230V/3				460V/3			
		Base Model		EcoNet® Enabled[1]		Base Model		EcoNet® Enabled[1]	
		MCA	MOPD	MCA	MOPD	MCA	MOPD	MCA	MOPD
6 FPI	RAW6A042*TA	15	20	15	20	15	20	15	20
	RAW6A057*TA	15	20	15	20	15	20	15	20
	RAW6A072*TA	15	20	15	20	15	20	15	20
	RAW6A084*TA	15	20	15	20	15	20	15	20
	RAW6A116*TA	15	20	15	20	15	20	15	20
	RAW6A143*TA	15	20	15	20	15	20	15	20
	RAW6A173*TA	15	20	15.3	20	15	20	15	20
	RAW6A216*TA	15	20	15.3	20	15	20	15	20
	RAW6A235*TA	17.4	20	19.4	20	15	20	15	20
	RAW6A291*TA	17.4	20	19.4	20	15	20	15	20

* Each asterisk represents a variable character based on voltage ordered. See page 4 for nomenclature.

[1] 208-230 ratings include 2 amp for controls on EcoNet® Enabled units. 460 ratings include 1 amp for controls on EcoNet® Enabled units.

APPLICATION RATING & ELECTRICAL DATA

MEDIUM TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	BTUH Capacity @ +25°F SST & 10°F TD	CFM	No. of Fans	208-230V/3	460V/3
		R454A/R454C/R454A			Total Fan Motor Amps	
6 FPI	RAW6D042*TA	42,000	7,080	1	4.1	2
	RAW6D057*TA	57,200	7,010	1	4.1	2
	RAW6D072*TA	72,000	6,875	1	4.1	2
	RAW6D084*TA	84,000	14,160	2	8.2	4
	RAW6D116*TA	116,000	14,030	2	8.2	4
	RAW6D144*TA	144,000	13,750	2	8.2	4
	RAW6D174*TA	174,000	21,040	3	12.3	6
	RAW6D216*TA	216,000	20,625	3	12.3	6
	RAW6D235*TA	235,000	28,050	4	16.4	8
	RAW6D292*TA	293,800	27,500	4	16.4	8

* Each asterisk represents a variable character based on voltage ordered. See page 4 for nomenclature.

APPLICATION RATING & ELECTRICAL DATA

MEDIUM TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	208-230V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Per Circuit	Total Heater Amps	
6 FPI	RAW6D042ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6D057ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6D072ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6D084ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6D116ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6D144ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6D174ETA	15	20	56.2	60	1	43.4	43.4	18,000
	RAW6D216ETA	15	20	56.2	60	1	43.4	43.4	18,000
	RAW6D235ETA	17.4	20	74.3	80	2	28.9	57.8	24,000
	RAW6D292ETA	17.4	20	74.3	80	2	28.9	57.8	24,000

208-230 ratings include 2 amp for controls on EcoNet® Enabled units.

	Model No.	460V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
6 FPI	RAW6D042GTA	15	20	15	20	1	7.5	7.5	6,000
	RAW6D057GTA	15	20	15	20	1	7.5	7.5	6,000
	RAW6D072GTA	15	20	15	20	1	7.5	7.5	6,000
	RAW6D084GTA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6D116GTA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6D144GTA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6D174GTA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW6D216GTA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW6D235GTA	15	20	38.7	40	1	30.2	30.2	24,000
	RAW6D292GTA	15	20	38.7	40	1	30.2	30.2	24,000

460 ratings include 1 amp for controls on EcoNet® Enabled units.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	BTUH Capacity @ -20°F SST & 10°F TD[1]	CFM	No. of Fans	208-230V/3	460V/3
		R454A/R454C/R454A			Total Fan Motor Amps	
6 FPI	RAW6E044*TA	44,000	7,080	1	4.1	2
	RAW6E057*TA	57,000	7,010	1	4.1	2
	RAW6E071*TA	71,000	6,875	1	4.1	2
	RAW6E087*TA	87,000	14,160	2	8.2	4
	RAW6E114*TA	114,000	14,030	2	8.2	4
	RAW6E142*TA	142,000	13,750	2	8.2	4
	RAW6E170*TA	170,000	21,040	3	12.3	6
	RAW6E215*TA	214,900	20,625	3	12.3	6
	RAW6E256*TA	255,900	27,500	4	16.4	8

* Asterisk represents a variable character based on voltage ordered. See page 4 for nomenclature.

Capacity Correction for Low Temp Electric Defrost

SST (Dew)	0°F	-10°F	-20°F	-30°F	-40°F
Multiply Capacity by:	1.075	1.0375	1	0.9625	0.925

[1] Capacity values adjusted using the Correction Table for Electric Defrost Evaporators.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	208-230V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
6 FPI	RAW6E044ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6E057ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6E071ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6E087ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6E114ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6E142ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6E170ETA	15	25	56.2	60	1	43.4	43.4	18,000
	RAW6E215ETA	15	25	56.2	60	1	43.4	43.4	18,000
	RAW6E256ETA	17.4	30	74.3	80	2	28.9	57.8	24,000

208-230 ratings include 2 amp for controls on EcoNet® Enabled units.

	Model No.	460V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
6 FPI	RAW6E044GTA	15	20	15	20	1	7.5	7.5	6,000
	RAW6E057GTA	15	20	15	20	1	7.5	7.5	6,000
	RAW6E071GTA	15	20	15	20	1	7.5	7.5	6,000
	RAW6E087GTA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6E114GTA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6E142GTA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6E170GTA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW6E215GTA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW6E256GTA	15	20	38.7	40	1	30.2	30.2	24,000

460 ratings include 1 amp for controls on EcoNet® Enabled units.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR // 4 FPI

	Model No.	BTUH Capacity @ -20°F SST & 10°F TD[1]	CFM	No. of Fans	208-230V/3	460V/3
		R454A/R454C/R454A			Total Fan Motor Amps	
4 FPI	RAW4E045*TA	45,000	7,010	1	4.1	2
	RAW4E058*TA	58,000	6,875	1	4.1	2
	RAW4E092*TA	92,000	14,030	2	8.2	4
	RAW4E116*TA	116,000	13,750	2	8.2	4
	RAW4E136*TA	136,000	21,040	3	12.3	6
	RAW4E173*TA	173,000	20,625	3	12.3	6
	RAW4E214*TA	214,000	27,500	4	16.4	8

* Asterisk represents a variable character based on voltage ordered. See page 4 for nomenclature.

Capacity Correction for Low Temp Electric Defrost

SST (Dew)	0°F	-10°F	-20°F	-30°F	-40°F
Multiply Capacity by:	1.075	1.0375	1	0.9625	0.925

[1] Capacity values adjusted using the Correction Table for Electric Defrost Evaporators.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR // 4 FPI

Model No.		208-230V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
4 FPI	RAW4E045ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW4E058ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW4E092ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW4E116ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW4E136ETA	15	25	56.2	60	1	43.4	43.4	18,000
	RAW4E173ETA	15	25	56.2	60	1	43.4	43.4	18,000
	RAW4E214ETA	17.4	30	74.3	80	2	28.9	57.8	24,000

208-230 ratings include 2 amp for controls on EcoNet® Enabled units.

Model No.		460V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
4 FPI	RAW4E045ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW4E058ETA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW4E092ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW4E116ETA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW4E136ETA	15	25	56.2	60	1	43.4	43.4	18,000
	RAW4E173ETA	15	25	56.2	60	1	43.4	43.4	18,000
	RAW4E214ETA	17.4	30	74.3	80	2	28.9	57.8	24,000

460 ratings include 1 amp for controls on EcoNet® Enabled units.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR W/HIGH-STATIC FAN BLADES // 6 FPI

	Model No.	BTUH Capacity @ +25°F SST & 10°F TD[1]	CFM	No. of Fans	208-230V/3	460V/3
		R454A/R454C/R454A			Total Fan Motor Amps	
6 FPI	RAW6E044*HA	44,000	7,080	1	6.4	3.2
	RAW6E057*HA	57,000	7,010	1	6.4	3.2
	RAW6E071*HA	71,000	6,875	1	6.4	3.2
	RAW6E087*HA	87,000	14,160	2	12.8	6.4
	RAW6E114*HA	114,000	14,030	2	12.8	6.4
	RAW6E142*HA	142,000	13,750	2	12.8	6.4
	RAW6E170*HA	170,000	21,040	3	19.2	9.6
	RAW6E215*HA	214,900	20,625	3	19.2	9.6
	RAW6E256*HA	255,900	27,500	4	25.6	12.8

* Asterisk represents a variable character based on voltage ordered. See nomenclature on page 4 for details.

Capacity Correction for Low Temp Electric Defrost

SST (Dew)	0°F	-10°F	-20°F	-30°F	-40°F
Multiply Capacity by:	1.075	1.0375	1	0.9625	0.925

[1] Capacity values adjusted using the Correction Table for Electric Defrost Evaporators.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR W/ HIGH-STATIC FAN BLADES // 6 FPI

	Model No.	208-230V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
6 FPI	RAW6E044EHA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6E057EHA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6E071EHA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW6E087EHA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6E114EHA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6E142EHA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW6E170EHA	20.8	25	56.2	60	1	43.4	43.4	18,000
	RAW6E215EHA	20.8	25	56.2	60	1	43.4	43.4	18,000
	RAW6E256EHA	27.2	30	74.3	80	2	28.9	57.8	24000

208-230 ratings include 2 amp for controls on EcoNet® Enabled units.

	Model No.	460V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
6 FPI	RAW6E044GHA	15	20	15	20	1	7.5	7.5	6,000
	RAW6E057GHA	15	20	15	20	1	7.5	7.5	6,000
	RAW6E071GHA	15	20	15	20	1	7.5	7.5	6,000
	RAW6E087GHA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6E114GHA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6E142GHA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW6E170GHA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW6E215GHA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW6E256GHA	15	20	38.7	40	1	30.2	30.2	24,000

460 ratings include 1 amp for controls on EcoNet® Enabled units.

High Static Fan Blades are capable of .35 water column external static pressure for duct or air flow accessories.

Models with high static fan blades should not be used with the presence of external static pressure.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR W/ HIGH-STATIC FAN BLADES // 4 FPI

	Model No.	BTUH Capacity @ +25°F SST & 10°F TD[1]	CFM	No. of Fans	208-230V/3	460V/3
		R454A/R454C/R454A			Total Fan Motor Amps	
4 FPI	RAW4E045*HA	45,000	7,010	1	6.4	3.2
	RAW4E058*HA	58,000	6,875	1	6.4	3.2
	RAW4E092*HA	92,000	14,030	2	12.8	6.4
	RAW4E116*HA	116,000	13,750	2	12.8	6.4
	RAW4E136*HA	136,000	21,040	3	19.2	9.6
	RAW4E173*HA	173,000	20,625	3	19.2	9.6
	RAW4E214*HA	214,000	27,500	4	25.6	12.8

* Asterisk represents a variable character based on voltage ordered. See nomenclature on page 4 for details.

Capacity Correction for Low Temp Electric Defrost

SST (Dew)	0°F	-10°F	-20°F	-30°F	-40°F
Multiply Capacity by:	1.075	1.0375	1	0.9625	0.925

[1] Capacity values adjusted using the Correction Table for Electric Defrost Evaporators.

APPLICATION RATING & ELECTRICAL DATA

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR W/ HIGH-STATIC FAN BLADES // 4 FPI

	Model No.	208-230V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
4 FPI	RAW4E045EHA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW4E058EHA	15	20	20.1	25	1	14.5	14.5	6,000
	RAW4E092EHA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW4E116EHA	15	20	38.1	40	1	28.9	28.9	12,000
	RAW4E136EHA	20.8	25	56.2	60	1	43.4	43.4	18,000
	RAW4E173EHA	20.8	25	56.2	60	1	43.4	43.4	18,000
	RAW4E214EHA	27.2	30	74.3	80	2	28.9	57.8	24,000

208-230 ratings include 2 amp for controls on EcoNet® Enabled units.

	Model No.	460V/3							Heater Watts
		Base Model		EcoNet® Enabled		Heater Amps			
		MCA	MOPD	MCA	MOPD	No. of Circuits	Amps Each Circuit	Total Heater Amps	
4 FPI	RAW4E045GHA	15	20	15	20	1	7.5	7.5	6,000
	RAW4E058GHA	15	20	15	20	1	7.5	7.5	6,000
	RAW4E092GHA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW4E116GHA	15	20	19.8	20	1	15.1	15.1	12,000
	RAW4E136GHA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW4E173GHA	15	20	29.3	30	1	22.6	22.6	18,000
	RAW4E214GHA	15	20	38.7	40	1	30.2	30.2	24,000

460 ratings include 1 amp for controls on EcoNet® Enabled units.
High Static Fan Blades are capable of .35 water column external static pressure for duct or air flow accessories.
Models with high static fan blades should not be used with the presence of an external device.

DISTRIBUTOR NOZZLES & EXPANSION VALVES

AIR DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	Nozzle @ Liq. Temp.		TXV @ Liq. Temp.		EEV @ Liq. Temp		No. of Circuits
		50°F	100°F	50°F	100°F	50°F	100°F	
6 FPI - R454A	RAW6A042*TA	1.5, TYPE G	4, TYPE G	SBFTE-B-C	SBFTE-C-C	SER-C	SER-C	6
	RAW6A057*TA	2, TYPE G	4, TYPE G	SBFTE-C-C	SBFTE-C-C	SER-C	SER-C	6
	RAW6A072*TA	3, TYPE G	6, TYPE G	ERTE-4-C	ERTE-6-C	SER-C	SER-C	12
	RAW6A084*TA	3, TYPE G	8, TYPE G	ERTE-5-C	ERTE-8-C	SER-C	SER-D	12
	RAW6A116*TA	5, TYPE C	10, TYPE C	ERTE-8-C	ERTE-10-C	SER-D	SER-D	18
	RAW6A143*TA	5, TYPE C	15, TYPE E	ERTE-8-C	ERTE-12-C	SER-D	SER-D	24
	RAW6A173*TA	8, TYPE A	17, TYPE A	OTE-15-C	OTE-15-C	SER-D	SERI-F	27
	RAW6A216*TA	10, TYPE A	20, TYPE A	OTE-15-C	OTE-20-C	SER-D	SERI-F	36
	RAW6A235*TA	12, TYPE A	20, TYPE A	OTE-15-C	OTE-20-C	SERI-F	SERI-G	27
	RAW6A291*TA	15, TYPE A	30, TYPE A	OTE-20-C	OTE-30-C	SERI-F	SERI-G	36
6 FPI - R454C	RAW6A042*TA	2, TYPE G	4, TYPE G	SBFVE-B-C	SBFVE-C-C	SER-C	SER-C	6
	RAW6A057*TA	2.5, TYPE G	5, TYPE G	ERVE-4-C	ERVE-6-C	SER-C	SER-C	6
	RAW6A072*TA	3, TYPE G	6, TYPE G	ERVE-5-C	ERVE-8-C	SER-C	SER-D	12
	RAW6A084*TA	4, TYPE G	8, TYPE G	ERVE-6-C	ERVE-20-C	SER-C	SER-D	12
	RAW6A116*TA	6, TYPE C	15, TYPE C	ERVE-10-C	ERVE-12-C	SER-D	SER-D	18
	RAW6A143*TA	8, TYPE E	17, TYPE E	OVE-10-C	OVE-15-C	SER-D	SERI-F	24
	RAW6A173*TA	10, TYPE A	20, TYPE A	OVE-15-C	OVE-20-C	SER-D	SERI-F	27
	RAW6A216*TA	12, TYPE A	25, TYPE A	OVE-15-C	OVE-20-C	SERI-F	SERI-G	36
	RAW6A235*TA	12, TYPE A	30, TYPE A	OVE-20-C	OVE-30-C	SERI-F	SERI-G	27
	RAW6A291*TA	15, TYPE A	35, TYPE A	OVE-20-C	OVE-30-C	SERI-G	SERI-J	36
6 FPI - R455A	RAW6A042*TA	2, TYPE G	4, TYPE G	SBFVE-B-C	SBF-C-C	SER-C	SER-C	6
	RAW6A057*TA	3, TYPE G	5, TYPE G	ERVE-4-C	SBF-C-C	SER-C	SER-C	6
	RAW6A072*TA	4, TYPE G	6, TYPE G	ERVE-5-C	ERVE-6-C	SER-C	SER-C	12
	RAW6A084*TA	4, TYPE G	8, TYPE G	ERVE-6-C	ERVE-8-C	SER-C	SER-D	12
	RAW6A116*TA	6, TYPE C	15, TYPE C	ERVE-10-C	ERVE-10-C	SER-D	SER-D	18
	RAW6A143*TA	8, TYPE E	17, TYPE E	OVE-10-C	ERVE-12-C	SER-D	SER-D	24
	RAW6A173*TA	12, TYPE A	20, TYPE A	OVE-15-C	OVE-20-C	SER-D	SERI-F	27
	RAW6A216*TA	15, TYPE A	25, TYPE A	OVE-15-C	OVE-20-C	SERI-F	SERI-F	36
	RAW6A235*TA	15, TYPE A	30, TYPE A	OVE-20-C	OVE-20-C	SERI-F	SERI-G	27
	RAW6A291*TA	17, TYPE A	35, TYPE A	OVE-20-C	OVE-30-C	SERI-G	SERI-G	36

The Distributor lines are 1/4 diameter and 36 long.

* Each asterisk represents a variable character based on voltage ordered. See nomenclature on page 4 for details.

Expansion valve selections based on +25° Suction Temp and 8°F to 12°F evaporator TD. Contact factory for operating conditions outside this range.

T Expansion valves are compatible with R454A refrigerant. V Expansion valves are compatible with R454C and R455A refrigerants.

For other valves, follow manufacturer's selection guidelines.

Base models (with no factory-mounted components) include nozzles sized for 100°F liquid, shipped loose.

LOOSE COMPONENTS REQUIRED FOR A2L ISOLATION CONTROLS

A_{MIN} (MINIMUM ALLOWABLE ROOM SIZE) VALUES // AIR DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	A_{min} Values (Ft^2)					Loose SSOV Isolation Valve @ Liquid Temp			Loose CSOV Isolation CV	
		10 Ft Line Run	20 Ft Line Run	30 Ft Line Run	40 Ft Line Run	50 Ft Line Run	Size	50°F	100°F	Size	Description
6 FPI - R454A	RAW6A042*TA	87	100	112	124	136	1/2	SSOV-6	SSOV-10	1-3/8	CSOV-11
	RAW6A057*TA	123	141	159	178	196	5/8	SSOV-10	SSOV-10	1-3/8	CSOV-11
	RAW6A072*TA	151	170	189	208	227	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6A084*TA	151	170	189	208	227	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6A116*TA	228	266	303	340	377	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A143*TA	281	319	356	393	430	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A173*TA	306	343	380	417	455	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A216*TA	387	426	466	505	544	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6A235*TA	386	425	465	504	543	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6A291*TA	514	577	639	702	764	1-1/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
6 FPI - R454C	RAW6A042*TA	84	96	108	119	131	1/2	SSOV-6	SSOV-10	1-3/8	CSOV-11
	RAW6A057*TA	119	136	154	172	190	5/8	SSOV-10	SSOV-10	1-3/8	CSOV-11
	RAW6A072*TA	146	165	183	201	220	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6A084*TA	145	164	182	201	219	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6A116*TA	221	257	293	329	365	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A143*TA	272	308	344	380	416	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A173*TA	296	332	368	404	440	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A216*TA	374	412	450	488	526	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6A235*TA	373	411	449	487	525	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6A291*TA	498	558	619	679	740	1-1/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
6 FPI - R455A	RAW6A042*TA	77	88	98	109	120	1/2	SSOV-6	SSOV-10	1-3/8	CSOV-11
	RAW6A057*TA	108	124	141	157	173	5/8	SSOV-10	SSOV-10	1-3/8	CSOV-11
	RAW6A072*TA	133	150	167	184	201	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6A084*TA	133	150	166	183	200	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6A116*TA	202	234	267	300	333	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A143*TA	248	281	314	347	380	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A173*TA	270	303	335	368	401	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6A216*TA	341	376	411	445	480	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6A235*TA	340	375	410	444	479	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6A291*TA	454	509	564	620	675	1-1/8	SSOV-19	SSOV-19	2-5/8	CSOV-21

Solenoid Shut Off Valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space.

SSOV/CSOV (Check Shut Off Valves) Selection Criteria: Maximum 10 Foot Line Rise, 100 Foot Line Run, 1:1 Condensing Unit/Evaporator.

Contact applications for additional lengths or design considerations.

A_{min} values calculated using operating conditions included in UL 60335-2-89 101.DVU.1.2 and standard connection sizes (liquid and suction).

A_{min} values provided for 10 Ft, 20 Ft, 30 Ft, 40 Ft and 50 Ft line lengths. Contact applications for additional lengths or design considerations.

A_{min} values intended to determine compliance with UL 2-89 and is NOT for charging calculations.

DISTRIBUTOR NOZZLES & EXPANSION VALVES

MEDIUM TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR // 6 FPI

	Model No.	Nozzle @ Liq. Temp.		TXV @ Liq. Temp.		EEV @ Liq. Temp		No. of Circuits
		50°F	100°F	50°F	100°F	50°F	100°F	
6 FPI - R454A	RAW6D042*TA	1.5, TYPE G	4, TYPE G	SBFTE-B-C	SBFTE-C-C	SER-C	SER-C	6
	RAW6D057*TA	2, TYPE G	4, TYPE G	SBFTE-C-C	SBFTE-C-C	SER-C	SER-C	6
	RAW6D072*TA	3, TYPE G	6, TYPE G	ERTE-4-C	ERTE-6-C	SER-C	SER-C	12
	RAW6D084*TA	3, TYPE G	8, TYPE G	ERTE-5-C	ERTE-8-C	SER-C	SER-D	12
	RAW6D116*TA	5, TYPE C	10, TYPE C	ERTE-8-C	ERTE-10-C	SER-D	SER-D	18
	RAW6D144*TA	5, TYPE C	15, TYPE E	ERTE-8-C	ERTE-12-C	SER-D	SER-D	24
	RAW6D174*TA	8, TYPE A	17, TYPE A	OTE-15-C	OTE-15-C	SER-D	SERI-F	27
	RAW6D216*TA	10, TYPE A	20, TYPE A	OTE-15-C	OTE-20-C	SER-D	SERI-F	36
	RAW6D235*TA	12, TYPE A	20, TYPE A	OTE-15-C	OTE-20-C	SERI-F	SERI-G	27
	RAW6D292*TA	15, TYPE A	30, TYPE A	OTE-20-C	OTE-30-C	SERI-F	SERI-G	36
6 FPI - R454C	RAW6D042*TA	2, TYPE G	4, TYPE G	SBFVE-B-C	SBFVE-C-C	SER-C	SER-C	6
	RAW6D057*TA	2.5, TYPE G	5, TYPE G	ERVE-4-C	ERVE-6-C	SER-C	SER-C	6
	RAW6D072*TA	3, TYPE G	6, TYPE G	ERVE-5-C	ERVE-8-C	SER-C	SER-D	12
	RAW6D084*TA	4, TYPE G	8, TYPE G	ERVE-6-C	ERVE-20-C	SER-C	SER-D	12
	RAW6D116*TA	6, TYPE C	15, TYPE C	ERVE-10-C	ERVE-12-C	SER-D	SER-D	18
	RAW6D144*TA	8, TYPE E	17, TYPE E	OVE-10-C	OVE-15-C	SER-D	SERI-F	24
	RAW6D174*TA	10, TYPE A	20, TYPE A	OVE-15-C	OVE-20-C	SER-D	SERI-F	27
	RAW6D216*TA	12, TYPE A	25, TYPE A	OVE-15-C	OVE-20-C	SERI-F	SERI-G	36
	RAW6D235*TA	12, TYPE A	30, TYPE A	OVE-20-C	OVE-30-C	SERI-F	SERI-G	27
	RAW6D292*TA	15, TYPE A	35, TYPE A	OVE-20-C	OVE-30-C	SERI-G	SERI-J	36
6 FPI - R455A	RAW6D042*TA	2, TYPE G	4, TYPE G	SBFVE-B-C	SBF-C-C	SER-C	SER-C	6
	RAW6D057*TA	3, TYPE G	5, TYPE G	ERVE-4-C	SBF-C-C	SER-C	SER-C	6
	RAW6D072*TA	4, TYPE G	6, TYPE G	ERVE-5-C	ERVE-6-C	SER-C	SER-C	12
	RAW6D084*TA	4, TYPE G	8, TYPE G	ERVE-6-C	ERVE-8-C	SER-C	SER-D	12
	RAW6D116*TA	6, TYPE C	15, TYPE C	ERVE-10-C	ERVE-10-C	SER-D	SER-D	18
	RAW6D144*TA	8, TYPE E	17, TYPE E	OVE-10-C	ERVE-12-C	SER-D	SER-D	24
	RAW6D174*TA	12, TYPE A	20, TYPE A	OVE-15-C	OVE-20-C	SER-D	SERI-F	27
	RAW6D216*TA	15, TYPE A	25, TYPE A	OVE-15-C	OVE-20-C	SERI-F	SERI-F	36
	RAW6D235*TA	15, TYPE A	30, TYPE A	OVE-20-C	OVE-20-C	SERI-F	SERI-G	27
	RAW6D292*TA	17, TYPE A	35, TYPE A	OVE-20-C	OVE-30-C	SERI-G	SERI-G	36

The Distributor lines are 1/4 diameter and 36 long.

* Each asterisk represents a variable character based on voltage ordered. See nomenclature on page 4 for details.

Expansion valve selections based on +25° Suction Temp and 8°F to 12°F evaporator TD. Contact factory for operating conditions outside this range.

T Expansion valves are compatible with R454A refrigerant. V Expansion valves are compatible with R454C and R455A refrigerants.

For other valves, follow manufacturer's selection guidelines.

Base models (with no factory-mounted components) include nozzles sized for 100°F liquid, shipped loose.

LOOSE COMPONENTS REQUIRED FOR A2L ISOLATION CONTROLS

A_{MIN} (MINIMUM ALLOWABLE ROOM SIZE) VALUES // MEDIUM TEMPERATURE ELECTRIC DEFROST // 6 FPI

	Model No.	A_{min} Values (Ft^2)					Loose SSOV Isolation Valve @ Liquid Temp			Loose CSOV Isolation CV	
		10 Ft Line Run	20 Ft Line Run	30 Ft Line Run	40 Ft Line Run	50 Ft Line Run	Size	50°F	100°F	Size	Description
6 FPI - R454A	RAW6D042*TA	87	100	112	124	136	1/2	SSOV-6	SSOV-10	1-3/8	CSOV-11
	RAW6D057*TA	123	141	159	178	196	5/8	SSOV-10	SSOV-10	1-3/8	CSOV-11
	RAW6D072*TA	151	170	189	208	227	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6D084*TA	151	170	189	208	227	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6D116*TA	228	266	303	340	377	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D144*TA	281	319	356	393	430	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D174*TA	306	343	380	417	455	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D216*TA	387	426	466	505	544	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6D235*TA	386	425	465	504	543	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6D292*TA	514	577	639	702	764	1-1/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
6 FPI - R454C	RAW6D042*TA	84	96	108	119	131	1/2	SSOV-6	SSOV-10	1-3/8	CSOV-11
	RAW6D057*TA	119	136	154	172	190	5/8	SSOV-10	SSOV-10	1-3/8	CSOV-11
	RAW6D072*TA	146	165	183	201	220	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6D084*TA	145	164	182	201	219	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6D116*TA	221	257	293	329	365	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D144*TA	272	308	344	380	416	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D174*TA	296	332	368	404	440	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D216*TA	374	412	450	488	526	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6D235*TA	373	411	449	487	525	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6D292*TA	498	558	619	679	740	1-1/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
6 FPI - R455A	RAW6D042*TA	77	88	98	109	120	1/2	SSOV-6	SSOV-10	1-3/8	CSOV-11
	RAW6D057*TA	108	124	141	157	173	5/8	SSOV-10	SSOV-10	1-3/8	CSOV-11
	RAW6D072*TA	133	150	167	184	201	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6D084*TA	133	150	166	183	200	5/8	SSOV-10	SSOV-10	1-5/8	CSOV-13
	RAW6D116*TA	202	234	267	300	333	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D144*TA	248	281	314	347	380	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D174*TA	270	303	335	368	401	7/8	SSOV-19	SSOV-19	2-1/8	CSOV-17
	RAW6D216*TA	341	376	411	445	480	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6D235*TA	340	375	410	444	479	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6D292*TA	454	509	564	620	675	1-1/8	SSOV-19	SSOV-19	2-5/8	CSOV-21

Solenoid Shut Off Valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space.

SSOV/CSOV (Check Shut Off Valves) Selection Criteria: Maximum 10 Foot Line Rise, 100 Foot Line Run, 1:1 Condensing Unit/Evaporator.

Contact applications for additional lengths or design considerations.

A_{min} values calculated using operating conditions included in UL 60335-2-89 101.DVU.1.2 and standard connection sizes (liquid and suction).

A_{min} values provided for 10 Ft, 20 Ft, 30 Ft, 40 Ft and 50 Ft line lengths. Contact applications for additional lengths or design considerations.

A_{min} values intended to determine compliance with UL 2-89 and is NOT for charging calculations.

DISTRIBUTOR NOZZLES & EXPANSION VALVES

LOW TEMPERATURE ELECTRIC DEFROST // 6 FPI

	Model No.	Nozzle @ Liq. Temp.		TXV @ Liq. Temp.		EEV @ Liq. Temp		No. of Circuits
		50°F	100°F	50°F	100°F	50°F	100°F	
6 FPI - R454A	RAW6E044**A	3, TYPE E	6, TYPE E	OTE-10-Z	OTE-10-Z	SER-C	SER-C	9
	RAW6E057**A	4, TYPE E	8, TYPE E	OTE-10-Z	OTE-10-Z	SER-C	SER-C	9
	RAW6E071**A	5, TYPE C	12, TYPE C	OTE-10-Z	OTE-15-Z	SER-C	SER-C	18
	RAW6E087**A	8, TYPE C	15, TYPE C	OTE-10-Z	OTE-15-Z	SER-C	SER-D	18
	RAW6E114**A	12, TYPE A	20, TYPE A	OTE-15-Z	OTE-20-Z	SER-C	SER-D	27
	RAW6E142**A	15, TYPE A	25, TYPE A	OTE-20-Z	OTE-30-Z	SER-D	SER-D	36
	RAW6E170**A	17, TYPE A	25, TYPE A	OTE-20-Z	OTE-30-Z	SER-D	SERI-F	27
	RAW6E215**A	20, TYPE A	35, TYPE A	OTE-30-Z	OTE-40-Z	SER-D	SERI-F	36
	RAW6E256**A	25, TYPE A	40, TYPE A	OTE-30-Z	OTE-40-Z	SERI-F	SERI-G	36
6 FPI - R454C	RAW6E044**A	4, TYPE E	8, TYPE E	ERVE-5-Z	ERVE-8-Z	SER-C	SER-C	9
	RAW6E057**A	5, TYPE E	10, TYPE E	OVE-10-Z	OVE-15-Z	SER-C	SER-C	9
	RAW6E071**A	6, TYPE C	12, TYPE C	OVE-10-Z	OVE-15-Z	SER-C	SER-D	18
	RAW6E087**A	8, TYPE C	15, TYPE C	OVE-15-Z	OVE-20-Z	SER-C	SER-D	18
	RAW6E114**A	12, TYPE A	20, TYPE A	OVE-20-Z	OVE-30-Z	SER-D	SER-D	27
	RAW6E142**A	15, TYPE A	25, TYPE A	OVE-20-Z	OVE-30-Z	SER-D	SERI-F	36
	RAW6E170**A	17, TYPE A	25, TYPE A	OVE-30-Z	OVE-40-Z	SER-D	SERI-F	27
	RAW6E215**A	20, TYPE A	35, TYPE A	OVE-30-Z	OVE-40-Z	SERI-F	SERI-G	36
	RAW6E256**A	25, TYPE A	40, TYPE A	OVE-40-Z	OVE-55-Z	SERI-F	SERI-J	36
6 FPI - R455A	RAW6E044**A	4, TYPE E	8, TYPE E	ERVE-5-Z	ERVE-8-Z	SER-C	SER-C	9
	RAW6E057**A	5, TYPE E	10, TYPE E	OVE-10-Z	OVE-10-Z	SER-C	SER-C	9
	RAW6E071**A	8, TYPE C	12, TYPE C	OVE-10-Z	OVE-15-Z	SER-C	SER-C	18
	RAW6E087**A	10, TYPE C	15, TYPE C	OVE-15-Z	OVE-20-Z	SER-C	SER-D	18
	RAW6E114**A	15, TYPE A	20, TYPE A	OVE-20-Z	OVE-20-Z	SER-D	SER-D	27
	RAW6E142**A	17, TYPE A	25, TYPE A	OVE-20-Z	OVE-30-Z	SER-D	SER-D	36
	RAW6E170**A	20, TYPE A	25, TYPE A	OVE-30-Z	OVE-40-Z	SER-D	SERI-F	27
	RAW6E215**A	25, TYPE A	35, TYPE A	OVE-30-Z	OVE-40-Z	SERI-F	SERI-F	36
	RAW6E256**A	30, TYPE A	40, TYPE A	OVE-40-Z	OVE-40-Z	SERI-F	SERI-G	36

The Distributor lines are 1/4 diameter and 36 long.

* Each asterisk represents a variable character based on voltage ordered. See nomenclature on page 4 for details.

Expansion valve selections based on +25° Suction Temp and 8°F to 12°F evaporator TD. Contact factory for operating conditions outside this range.

T Expansion valves are compatible with R454A refrigerant. V Expansion valves are compatible with R454C and R455A refrigerants.

For other valves, follow manufacturer's selection guidelines.

Base models (with no factory-mounted components) include nozzles sized for 100°F liquid, shipped loose.

LOOSE COMPONENTS REQUIRED FOR A2L ISOLATION CONTROLS

A_{MIN} (MINIMUM ALLOWABLE ROOM SIZE) VALUES // LOW TEMPERATURE ELECTRIC DEFROST // 6 FPI

	Model No.	A_{min} Values (Ft^2)					Loose SSOV Isolation Valve @ Liquid Temp			Loose CSOV Isolation CV	
		10 Ft Line Run	20 Ft Line Run	30 Ft Line Run	40 Ft Line Run	50 Ft Line Run	Size	50°F	100°F	Size	Description
6 FPI - R454A	RAW6E044**A	95	107	120	132	145	1/2	SSOV-6	SSOV-10	2-1/8	CSOV-17
	RAW6E057**A	127	146	164	183	202	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW6E071**A	153	172	190	209	228	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW6E087**A	152	172	192	211	231	7/8	SSOV-10	SSOV-19	2-5/8	CSOV-21
	RAW6E114**A	234	271	307	343	379	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6E142**A	286	323	361	398	436	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW6E170**A	310	348	385	423	460	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW6E215**A	387	426	465	504	543	1-1/8	SSOV-19	SSOV-19	3-5/8	-
	RAW6E256**A	485	524	563	602	641	1-1/8	SSOV-19	SSOV-19	3-5/8	-
6 FPI - R454C	RAW6E044**A	92	104	116	128	128	1/2	SSOV-6	SSOV-10	2-1/8	CSOV-17
	RAW6E057**A	123	141	159	177	177	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW6E071**A	148	166	184	203	203	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW6E087**A	148	167	186	205	205	7/8	SSOV-10	SSOV-19	2-5/8	CSOV-21
	RAW6E114**A	228	263	298	333	333	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6E142**A	277	313	350	386	386	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW6E170**A	301	337	374	410	410	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW6E215**A	376	413	451	488	488	1-1/8	SSOV-19	SSOV-19	3-5/8	-
	RAW6E256**A	471	508	546	583	583	1-1/8	SSOV-19	SSOV-19	3-5/8	-
6 FPI - R455A	RAW6E044**A	84	95	106	117	127	1/2	SSOV-6	SSOV-10	2-1/8	CSOV-17
	RAW6E057**A	112	129	145	162	178	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW6E071**A	135	152	168	185	201	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW6E087**A	135	152	169	187	204	7/8	SSOV-10	SSOV-19	2-5/8	CSOV-21
	RAW6E114**A	207	239	271	303	335	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW6E142**A	253	286	319	352	385	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW6E170**A	275	308	341	374	407	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW6E215**A	342	377	411	445	480	1-1/8	SSOV-19	SSOV-19	3-5/8	-
	RAW6E256**A	429	463	498	532	566	1-1/8	SSOV-19	SSOV-19	3-5/8	-

Solenoid Shut Off Valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space.

SSOV/CSOV (Check Shut Off Valves) Selection Criteria: Maximum 10 Foot Line Rise, 100 Foot Line Run, 1:1 Condensing Unit/Evaporator.

Contact applications for additional lengths or design considerations.

A_{min} values calculated using operating conditions included in UL 60335-2-89 101.DVU.1.2 and standard connection sizes (liquid and suction).

A_{min} values provided for 10 Ft, 20 Ft, 30 Ft, 40 Ft and 50 Ft line lengths. Contact applications for additional lengths or design considerations.

A_{min} values intended to determine compliance with UL 2-89 and is NOT for charging calculations.

DISTRIBUTOR NOZZLES & EXPANSION VALVES

LOW TEMPERATURE ELECTRIC DEFROST // 4 FPI

Model No.		Nozzle @ Liq. Temp.		TXV @ Liq. Temp.		EEV @ Liq. Temp		No. of Circuits
		50°F	100°F	50°F	100°F	50°F	100°F	
4 FPI - R454A	RAW4E045**A	4, TYPE E	6, TYPE E	OTE-10-Z	OTE-10-Z	SER-C	SER-C	9
	RAW4E058**A	5, TYPE G	10, TYPE G	OTE-10-Z	OTE-10-Z	SER-C	SER-C	12
	RAW4E092**A	8, TYPE C	15, TYPE C	OTE-15-Z	OTE-15-Z	SER-C	SER-D	18
	RAW4E116**A	12, TYPE C	20, TYPE C	OTE-15-Z	OTE-20-Z	SER-C	SER-D	24
	RAW4E136**A	12, TYPE A	25, TYPE A	OTE-20-Z	OTE-20-Z	SER-D	SER-D	27
	RAW4E173**A	17, TYPE A	30, TYPE A	OTE-20-Z	OTE-30-Z	SER-D	SERI-F	36
	RAW4E214**A	20, TYPE A	35, TYPE A	OTE-30-Z	OTE-40-Z	SER-D	SERI-F	36
4 FPI - R454C	RAW4E045**A	4, TYPE E	8, TYPE E	OVE-10-Z	OVE-10-Z	SER-C	SER-C	9
	RAW4E058**A	5, TYPE G	10, TYPE G	OVE-10-Z	OVE-15-Z	SER-C	SER-C	12
	RAW4E092**A	10, TYPE C	15, TYPE C	OVE-15-Z	OVE-20-Z	SER-C	SER-D	18
	RAW4E116**A	12, TYPE C	20, TYPE C	OVE-20-Z	OVE-30-Z	SER-D	SER-D	24
	RAW4E136**A	15, TYPE A	25, TYPE A	OVE-20-Z	OVE-30-Z	SER-D	SERI-F	27
	RAW4E173**A	20, TYPE A	30, TYPE A	OVE-30-Z	OVE-40-Z	SER-D	SERI-F	36
	RAW4E214**A	20, TYPE A	35, TYPE A	OVE-30-Z	OVE-40-Z	SERI-F	SERI-G	36
4 FPI - R455A	RAW4E045**A	4, TYPE E	8, TYPE E	OVE-10-Z	ERVE-8-Z	SER-C	SER-C	9
	RAW4E058**A	6, TYPE G	10, TYPE G	OVE-10-Z	OVE-10-Z	SER-C	SER-C	12
	RAW4E092**A	10, TYPE C	15, TYPE C	OVE-15-Z	OVE-20-Z	SER-C	SER-D	18
	RAW4E116**A	12, TYPE C	20, TYPE C	OVE-20-Z	OVE-20-Z	SER-D	SER-D	24
	RAW4E136**A	15, TYPE A	25, TYPE A	OVE-20-Z	OVE-30-Z	SER-D	SER-D	27
	RAW4E173**A	20, TYPE A	30, TYPE A	OVE-30-Z	OVE-30-Z	SER-D	SERI-F	36
	RAW4E214**A	25, TYPE A	35, TYPE A	OVE-30-Z	OVE-40-Z	SERI-F	SERI-G	36

The Distributor lines are 1/4 diameter and 36 long.

* Each asterisk represents a variable character based on voltage ordered. See nomenclature on page 4 for details.

Expansion valve selections based on +25° Suction Temp and 8°F to 12°F evaporator TD. Contact factory for operating conditions outside this range.

T Expansion valves are compatible with R454A refrigerant. V Expansion valves are compatible with R454C and R455A refrigerants.

For other valves, follow manufacturer's selection guidelines.

Base models (with no factory-mounted components) include nozzles sized for 100°F liquid, shipped loose.

LOOSE COMPONENTS REQUIRED FOR A2L ISOLATION CONTROLS

A_{MIN} (MINIMUM ALLOWABLE ROOM SIZE) VALUES // LOW TEMPERATURE ELECTRIC DEFROST // 4 FPI

Model No.		A_{min} Values (Ft^2)					Loose SSOV Isolation Valve @ Liquid Temp			Loose CSOV Isolation CV	
		10 Ft Line Run	20 Ft Line Run	30 Ft Line Run	40 Ft Line Run	50 Ft Line Run	Size	50°F	100°F	Size	Description
4 FPI - R454A	RAW4E045**A	127	146	164	183	202	5/8	SSOV-6	SSOV-10	2-1/8	CSOV-17
	RAW4E058**A	153	172	190	209	228	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW4E092**A	202	222	242	261	281	7/8	SSOV-10	SSOV-19	2-5/8	CSOV-21
	RAW4E116**A	284	321	357	393	429	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW4E136**A	310	348	385	423	460	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW4E173**A	386	423	461	498	536	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW4E214**A	485	524	563	602	641	1-1/8	SSOV-19	SSOV-19	3-5/8	-
4 FPI - R454C	RAW4E045**A	123	141	159	177	195	5/8	SSOV-6	SSOV-10	2-1/8	CSOV-17
	RAW4E058**A	148	166	184	203	221	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW4E092**A	196	215	234	253	272	7/8	SSOV-10	SSOV-19	2-5/8	CSOV-21
	RAW4E116**A	276	311	346	381	416	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW4E136**A	301	337	374	410	446	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW4E173**A	375	411	447	483	519	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW4E214**A	471	508	546	583	621	1-1/8	SSOV-19	SSOV-19	3-5/8	-
4 FPI - R455A	RAW4E045**A	112	129	145	162	178	5/8	SSOV-6	SSOV-10	2-1/8	CSOV-17
	RAW4E058**A	135	152	168	185	201	5/8	SSOV-10	SSOV-10	2-1/8	CSOV-17
	RAW4E092**A	179	196	213	231	248	7/8	SSOV-10	SSOV-19	2-5/8	CSOV-21
	RAW4E116**A	252	284	316	348	380	7/8	SSOV-19	SSOV-19	2-5/8	CSOV-21
	RAW4E136**A	275	308	341	374	407	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW4E173**A	341	374	407	440	473	7/8	SSOV-19	SSOV-19	3-1/8	-
	RAW4E214**A	429	463	498	532	566	1-1/8	SSOV-19	SSOV-19	3-5/8	-

Solenoid Shut Off Valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space.

SSOV/CSOV (Check Shut Off Valves) Selection Criteria: Maximum 10 Foot Line Rise, 100 Foot Line Run, 1:1 Condensing Unit/Evaporator.

Contact applications for additional lengths or design considerations.

A_{min} values calculated using operating conditions included in UL 60335-2-89 101.DVU.1.2 and standard connection sizes (liquid and suction).

A_{min} values provided for 10 Ft, 20 Ft, 30 Ft, 40 Ft and 50 Ft line lengths. Contact applications for additional lengths or design considerations.

A_{min} values intended to determine compliance with UL 2-89 and is NOT for charging calculations.

PHYSICAL SPECIFICATIONS

AIR DEFROST MODELS AIR DEFROST // 3-PHASE MOTOR

	Model No.	Fan Diam. (In.)	Motor Data			Refrigerant Connections (In.)		No. of Hanger Slot Locations	Fig.	Unit Dimensions (In.)			Approx. Unit Wt. (Lbs.)
			Motor Qty.	HP	RPM	Liquid Line^	Suction			L	W	H	
6 FPI	RAW6A042*TA	30	1	1	850	1/2	1-3/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6A057*TA	30	1	1	850	5/8	1-3/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6A072*TA	30	1	1	850	5/8	1-5/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6A084*TA	30	2	1	850	5/8	1-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6A116*TA	30	2	1	850	7/8	2-1/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6A143*TA	30	2	1	850	7/8	2-1/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6A173*TA	30	3	1	850	7/8	2-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6A216*TA	30	3	1	850	7/8	2-5/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6A235*TA	30	4	1	850	7/8	2-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050
	RAW6A291*TA	30	4	1	850	1-1/8	2-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050

* Asterisk represents a variable character based on voltage orderd. See nomenclature on page 4 for details.

^ For units with mounted TXV components. See Nozzle/TXV table for distributor connection size when TXV is field installed.

For dimensional distance between hanger slots, consult model's corresponding dimensional drawing. Hanger slots are 3/8 deep x 1 wide.

For shipping dimensions and weights, see the Shipping information included with each dimensional drawing.

PHYSICAL SPECIFICATIONS

MEDIUM TEMPERATURE ELECTRIC DEFROST

	Model No.	Fan Diam. (In.)	Motor Data			Refrigerant Connections (In.)		No. of Hanger Slot Locations	Fig.	Unit Dimensions (In.)			Approx. Unit Wt. (Lbs.)
			Motor Qty.	HP	RPM	Liquid Line^	Suction			L	W	H	
6 FPI	RAW6D042*TA	30	1	1	850	1/2	1-3/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6D057*TA	30	1	1	850	5/8	1-3/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6D072*TA	30	1	1	850	5/8	1-5/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6D084*TA	30	2	1	850	5/8	1-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6D116*TA	30	2	1	850	7/8	2-1/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6D144*TA	30	2	1	850	7/8	2-1/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6D174*TA	30	3	1	850	7/8	2-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6D216*TA	30	3	1	850	7/8	2-5/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6D235*TA	30	4	1	850	7/8	2-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050
	RAW6D292*TA	30	4	1	850	1-1/8	2-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050

* Asterisk represents a variable character based on voltage orderd. See nomenclature on page 4 for details.

^ For units with mounted TXV components. See Nozzle/TXV table for distributor connection size when TXV is field installed.

For dimensional distance between hanger slots, consult model's corresponding dimensional drawing. Hanger slots are 3/8 deep x 1 wide.

For shipping dimensions and weights, see the Shipping information included with each dimensional drawing.

PHYSICAL SPECIFICATIONS

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR

	Model No.	Fan Diam. (In.)	Motor Data			Refrigerant Connections (In.)		No. of Hanger Slot Locations	Fig.	Unit Dimensions (In.)			Approx. Unit Wt. (Lbs.)
			Motor Qty.	HP	RPM	Liquid Line^	Suction			L	W	H	
6 FPI	RAW6E044*TA	30	1	1	850	1/2	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6E057*TA	30	1	1	850	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6E071*TA	30	1	1	850	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6E087*TA	30	2	1	850	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6E114*TA	30	2	1	850	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6E142*TA	30	2	1	850	7/8	3-1/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6E170*TA	30	3	1	850	7/8	3-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6E215*TA	30	3	1	850	1-1/8	3-5/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6E256*TA	30	4	1	850	1-1/8	3-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050
4 FPI	RAW4E045*TA	30	1	1	850	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW4E058*TA	30	1	1	850	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW4E092*TA	30	2	1	850	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW4E116*TA	30	2	1	850	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW4E136*TA	30	3	1	850	7/8	3-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW4E173*TA	30	3	1	850	7/8	3-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW4E214*TA	30	4	1	850	1-1/8	3-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050

* Asterisk represents a variable character based on voltage orderd. See nomenclature on page 4 for details.

^ For units with mounted TXV components. See Nozzle/TXV table for distributor connection size when TXV is field installed.

For dimensional distance between hanger slots, consult model's corresponding dimensional drawing. Hanger slots are 3/8 deep x 1 wide.

Drain connection is 1-1/4 NPT for all models.

For shipping dimensions and weights, see the Shipping information included with each dimensional drawing.

PHYSICAL SPECIFICATIONS

LOW TEMPERATURE ELECTRIC DEFROST // 3-PHASE MOTOR W/ HIGH-STATIC FAN BLADES

	Model No.	Fan Diam. (In.)	Motor Data			Refrigerant Connections (In.)		No. of Hanger Slot Locations	Fig.	Unit Dimensions (In.)			Approx. Unit Wt. (Lbs.)
			Motor Qty.	HP	RPM	Liquid Line^	Suction			L	W	H	
6 FPI	RAW6E044*HA	30	1	1.5	1,140	1/2	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6E057*HA	30	1	1.5	1,140	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6E071*HA	30	1	1.5	1,140	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW6E087*HA	30	2	1.5	1,140	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6E114*HA	30	2	1.5	1,140	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6E142*HA	30	2	1.5	1,140	7/8	3-1/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW6E170*HA	30	3	1.5	1,140	7/8	3-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6E215*HA	30	3	1.5	1,140	1-1/8	3-5/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW6E256*HA	30	4	1.5	1,140	1-1/8	3-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050
4 FPI	RAW4E045*HA	30	1	1.5	1,140	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW4E058*HA	30	1	1.5	1,140	5/8	2-1/8	4	1	59-7/8	27-3/8	49-1/4	303
	RAW4E092*HA	30	2	1.5	1,140	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW4E116*HA	30	2	1.5	1,140	7/8	2-5/8	6	2	99-7/8	27-3/8	49-1/4	509
	RAW4E136*HA	30	3	1.5	1,140	7/8	3-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW4E173*HA	30	3	1.5	1,140	7/8	3-1/8	8	3	139-7/8	27-3/8	49-1/4	682
	RAW4E214*HA	30	4	1.5	1,140	1-1/8	3-5/8	10	4	179-7/8	27-3/8	49-1/4	1,050

* Asterisk represents a variable character based on voltage orderd. See nomenclature on page 4 for details.

^ For units with mounted TXV components. See Nozzle/TXV table for distributor connection size when TXV is field installed.

For dimensional distance between hanger slots, consult model's corresponding dimensional drawing. Hanger slots are 3/8 deep x 1 wide.

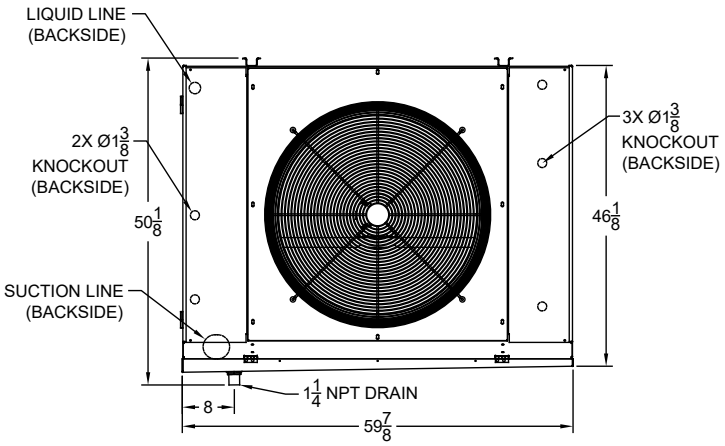
Drain connection is 1-1/4 NPT for all models.

For shipping dimensions and weights, see the Shipping information included with each dimensional drawing.

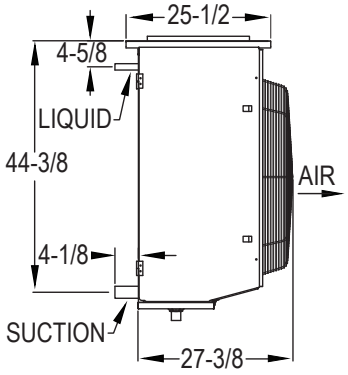
DIMENSIONAL DRAWINGS

Figure 1: Single Fan

Front View



Side View



Top View

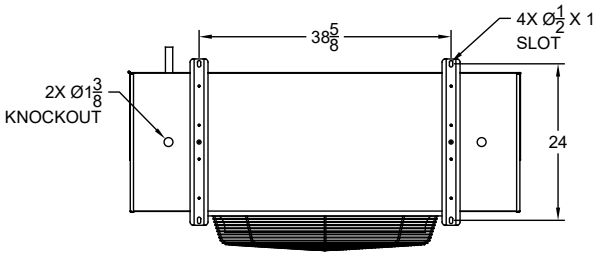


FIGURE 1: SHIPPING INFORMATION

No. of Fans	Shipping Dimensions (In.)			Shipping Weight (Lbs)
	L	W	H	
1	69	42	66	480

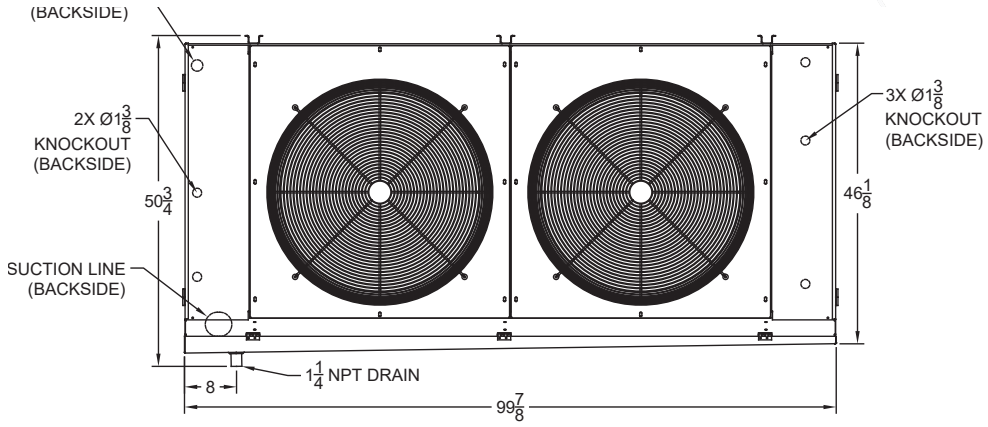
All mounting holes are 1/2 diameter.

Mounted hanger spacers aid in the correct installation. All dimensions are in inches.

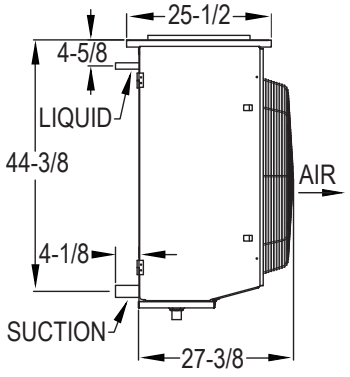
DIMENSIONAL DRAWINGS

Figure 2: Two Fan

Front View



Side View



Top View

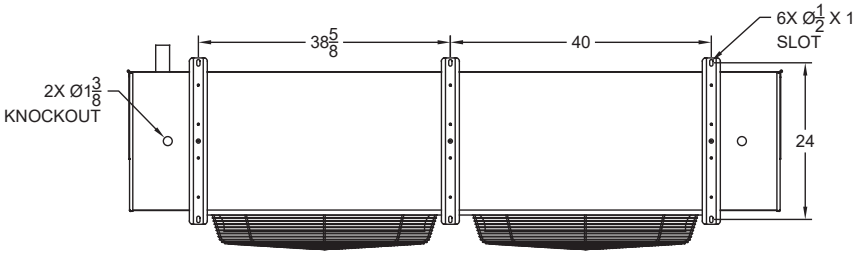


FIGURE 2: SHIPPING INFORMATION

No. of Fans	Shipping Dimensions (In.)			Shipping Weight (Lbs)
	L	W	H	
2	109	42	66	750

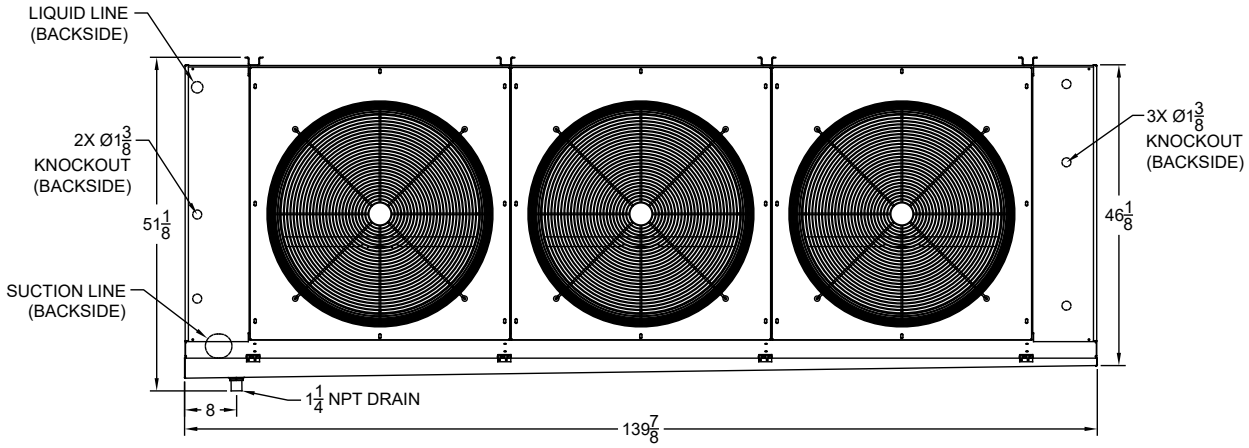
All mounting holes are 1/2 diameter.

Mounted hanger spacers aid in the correct installation. All dimensions are in inches.

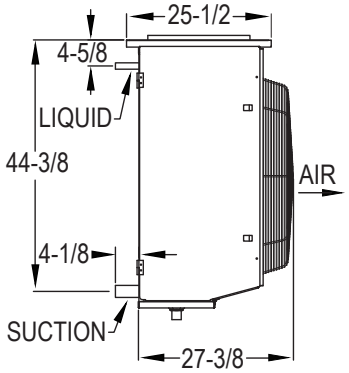
DIMENSIONAL DRAWINGS

Figure 3: Three Fan

Front View



Side View



Top View

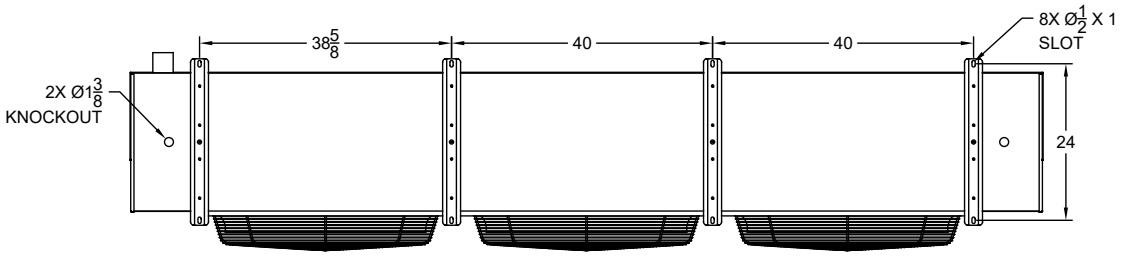


FIGURE 3: SHIPPING INFORMATION

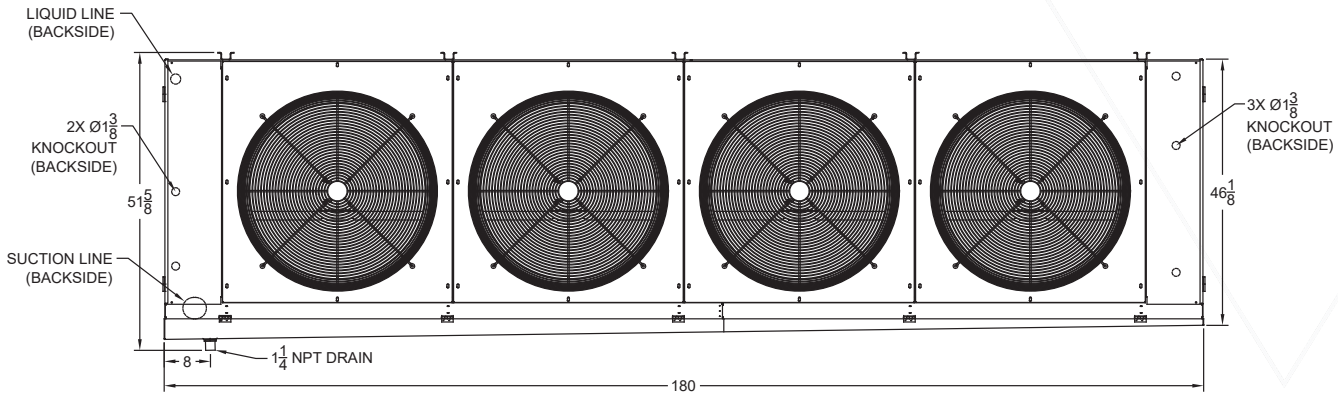
No. of Fans	Shipping Dimensions (In.)			Shipping Weight (Lbs)
	L	W	H	
3	146	42	66	1,030

All mounting holes are 1/2 diameter.
Mounted hanger spacers aid in the correct installation. All dimensions are in inches.

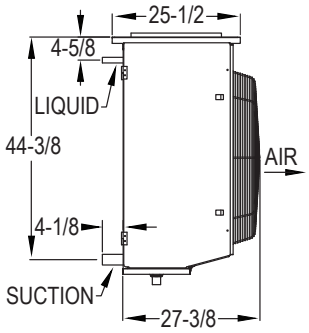
DIMENSIONAL DRAWINGS

Figure 4: Four Fan

Front View



Top View



End View

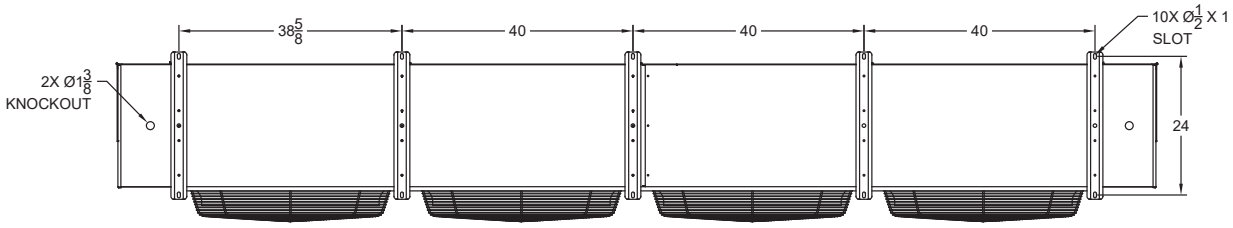


FIGURE 4: SHIPPING INFORMATION

No. of Fans	Shipping Dimensions (In.)			Shipping Weight (Lbs)
	L	W	H	
4	189	42	66	1,360

All mounting holes are 1/2 diameter.
Mounted hanger spacers aid in the correct installation. All dimensions are in inches.

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