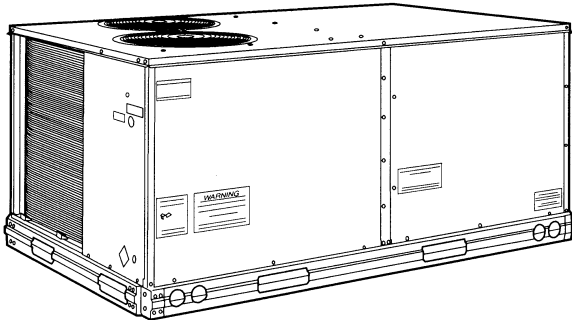


ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

PACKAGED ROOFTOP ELECTRIC COOLING UNITS 3, 4, 5, 6, 7.5, 8.5, 10, AND 12.5 TONS

RAH units are high-efficiency, single-packaged electric cooling, electric heating units that are prewired and pre-charged with R-410A HFC refrigerant. The units are factory tested in both heating and cooling modes.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



PERFORMANCE FEATURES

- R-410A HFC refrigerant
- ASHRAE, DOE, and IECC compliant, Energy Star qualified
- Single-stage cooling capacity control on 036 to 072 models
- Two-Stage cooling capacity control on 073 to 150 models
- SEERs up to 15.6
- EERs up to 13.0
- IEERs up to 14.2 with single speed indoor fan motor
- IEERs up to 16.2 with 2-speed/VFD indoor fan motor
- ASHRAE 90.1 compliant and Energy Star qualified
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- TXV refrigerant metering system on each circuit
- Fully insulated cabinet
- Cooling operating range up to 125°F (52°C) and down to 35°F (2°C), 0°F (-18°C) on 110 size standard.
- Rated in accordance with AHRI Standards 210/240 (036-060 sizes) and 340/360 (072-150 sizes)
- Designed in accordance with UL Standard 1995
- Listed by UL and UL-Canada or ETL and ETL Canada

MAINTENANCE FEATURES

- Large access panels with easy grip handles
- Innovative, easy starting, no-strip screw feature on unit access panels
- Two-inch disposable return air filters
- Tool-less filter access door
- Belt drive evaporator-fan motor and pulley combinations available on all three phase models
- Electric Drive x13 (5 speed/torque) motor on 036 to 060 models
- Central terminal board facilitating simple safety circuit troubleshooting and simplified control box arrangement

INSTALLATION FEATURES

- Field convertible from vertical to horizontal airflow on all models. No special kit required on 036-120 models. Supply duct kit required for 150 size model only
- Provisions for thru-the-bottom power entry capability as standard
- Single point electric connections
- Full perimeter base rail with built-in rigging adapters and fork truck slots

RELIABILITY FEATURES

- Scroll compressors with internal line-break overload protection
- 24-volt control circuit protected with resettable circuit breaker
- Permanently lubricated evaporator-fan motor
- Totally enclosed condenser motors with permanently lubricated bearings
- Low pressure and high-pressure switch protection
- Liquid line filter drier on each circuit

STANDARD LIMITED PARTS WARRANTY

- 5-year compressor parts
- 1-year parts

AVAILABLE OPTIONS

- Through the base connections for electric available as option
- Powered and non-powered convenience outlet
- High static motor options
- Hinged access panels
- Smoke detector, supply and/or return
- Corrosion resistant options for evaporator and condenser coils CO₂ Sensor
- 2-position damper
- Cooling Low Ambient controller 0°F (-18°C) (except 110 size-standard)
- Hot Gas Re-Heat dehumidification system. This option also includes Motormaster I controls
- 2-Speed belt drive indoor fan motor with Variable Frequency Drive (VFD) on 2-stage cooling models. VFD has field accessory display kit available.
- Integrated economizer system. Low and Ultra Low Leak versions.
- Non fused disconnect
- Condensate overflow switch

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODEL NUMBER NOMENCLATURE

Position No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Example:	R	A	H	0	7	2	L	0	A	B	0	A	A	A
<p>R = Rooftop</p> <p>A = Elect Clg/Elect Heat TYPE</p> <p>H = High Efficiency ASHRAE 90.1 / Energy Star EFFICIENCY</p> <p>036 = 36,000 BTUH = 3 tons 048 = 48,000 BTUH = 4 tons 060 = 60,000 BTUH = 5 tons 072 = 72,000 BTUH = 6 tons (1-Stage Cooling) 073 = 72,000 BTUH = 6 tons (2-Stage Cooling) 090 = 90,000 BTUH = 7.5 tons (2 Compressors) 102 = 102,000 BTUH = 8.5 tons (2 Compressors) 110 = 120,000 BTUH = 10 tons (2 Compressors) - 12.0 EER NOMINAL COOLING CAPACITY 120 = 120,000 BTUH = 10 tons (2 Compressors) - 11.7 EER 150 = 150,000 BTUH - 12.5 tons (2 compressors)</p> <p>H = 208/230-3-60 K = 208/230-1-60 L = 460-3-60 S = 575-3-60 VOLTAGE</p> <p>0 = No Heat - Field Installed Only ELECTRIC HEATING CAPACITY (See Spec Sheet for Actual Capacity)</p> <p>X = Direct Drive - X13 A = Standard Motor / Drive - Belt Drive B = High Static Motor / Drive - Belt Drive E = High Static - Efficient Motor / Drive - Belt Drive C = Medium Static Motor / Drive - Belt Drive G = High Static Motor / Drive with Hot Gas Re-Heat H = High Static Motor / Drive with Hot Gas Re-Heat MOTOR (Indoor Fan) (See spec sheet for more details)</p> <p>A = None B = Temp Economizer w/Baro-relief E = Temp Economizer w/Baro-relief + CO₂ Sensor H = Enthaply Economizer w/Baro-relief L = Enthalpy Economizer w/Baro-relief + CO₂ Sensor U = Temp Ultra Low Leak Economizer w/Baro-relief W = Enthalpy Ultra Low Leak Economizer w/Baro-relief OUTDOOR AIR OPTIONS / CONTROL (See spec sheet for more details) P = 2-Position damper</p> <p>0A = Standard AT = Unpowered Convenience Outlet 4B = Non Fused Disconnect Switch BB = Powered Convenience Outlet BR = Supply Air Smoke Detector BP = Return Air Smoke Detector AA = Easy Access Hinged Panels OTHER FACTORY INSTALLED OPTIONS</p> <p>A = Aluminum / Copper Cond & Evap Coil B = Precoat Alum/Cu Cond & Alum / Cu Evap C = E-Coated Alum/Cu Cond & Alum / Cu Evap D = E-Coated Alum / Cu Cond & Evap E = Cu / Cu Cond & Alum/Cu Evap F = Copper/Copper Cond & Evap COIL FACTORY INSTALLED OPTIONS</p> <p>A = Standard Single Speed Indoor Fan Motor. For W7212 controls B = Standard Single Speed Indoor Fan Motor. For W7220 controls T = 2-Speed Indoor Motor Controller (VFD) INDOOR FAN MOTOR</p>														

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

RAH RTU ONLY

ELECTRIC HEATER SELECTION

ELECTRIC HEATERS - Fully assembled for easy slide-in installation. Refer to charts below for wide range of UL-approved kW's per unit. Control two-stage and dual heaters with two-stage heating thermostat. Must use accessory single-point electrical connection package where listed.

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH)

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH036	208/230-1-60	DD-STD	CRHEATER 101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER 104B00	10.5	7.9/9.6	040	040	-	-
			CRHEATER102A00.102A00	13.0	9.8/11.9	040	040	-	-
		STD	CRHEATER 101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER 104B00	10.5	7.9/9.6	040	040	-	-
			CRHEATER102A00.102A00	13.0	9.8/11.9	040	040	-	-
		MED	CRHEATER 101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
	CRHEATER 103B00		8.7	6.5/8.0	037	037	-	-	
	CRHEATER 104B00		10.5	7.9/9.6	040	040	-	-	
	CRHEATER102A00.102A00		13.0	9.8/11.9	040	040	-	-	
	208/230-3-60	DD-STD	CRHEATER 101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 103B00	8.7	6.5/8.0	-	-	-	-
			CRHEATER 104B00	10.5	7.9/9.6	-	-	-	-
			CRHEATER 105A00	16.0	12.0/14.7	037	037	038	038
		STD	CRHEATER 101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 103B00	8.7	6.5/8.0	-	-	-	-
			CRHEATER 104B00	10.5	7.9/9.6	-	-	-	-
CRHEATER 105A00			16.0	12.0/14.7	037	037	038	038	
MED		CRHEATER 101A00	4.4	3.3/4.0	-	-	-	-	
		CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-	
	CRHEATER 103B00	8.7	6.5/8.0	-	-	-	-		
	CRHEATER 104B00	10.5	7.9/9.6	-	-	-	-		
	CRHEATER 105A00	16.0	12.0/14.7	037	037	038	038		
HIGH	CRHEATER 101A00	4.4	3.3/4.0	-	-	-	-		
	CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-		
	CRHEATER 103B00	8.7	6.5/8.0	-	-	-	-		
	CRHEATER 104B00	10.5	7.9/9.6	-	-	-	037		
	CRHEATER 105A00	16.0	12.0/14.7	037	038	038	038		
460-3-60	DD-STD	CRHEATER 106A00	6.0	5.5	-	-	-	-	
		CRHEATER 107A00	8.8	8.1	-	-	-	-	
		CRHEATER 108A00	11.5	10.6	-	-	-	-	
		CRHEATER 109A00	14.0	12.9	-	-	-	-	
	STD	CRHEATER 106A00	6.0	5.5	-	-	-	-	
		CRHEATER 107A00	8.8	8.1	-	-	-	-	
		CRHEATER 108A00	11.5	10.6	-	-	-	-	
		CRHEATER 109A00	14.0	12.9	-	-	-	-	
	MED	CRHEATER 106A00	6.0	5.5	-	-	-	-	
		CRHEATER 107A00	8.8	8.1	-	-	-	-	
		CRHEATER 108A00	11.5	10.6	-	-	-	-	
		CRHEATER 109A00	14.0	12.9	-	-	-	-	
HIGH	CRHEATER 106A00	6.0	5.5	-	-	-	-		
	CRHEATER 107A00	8.8	8.1	-	-	-	-		
	CRHEATER 108A00	11.5	10.6	-	-	-	-		
	CRHEATER 109A00	14.0	12.9	-	-	-	-		
575-3-60	DD-STD	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	STD	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	MED	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	HIGH	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED NON-FUSED DISCONNECT SWITCH

NOM. V-PH-HZ	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00				
					NO C.O. or Unpowered C.O.		w/PWRD C.O.		
					NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)	
208/230-1-60	DD-STD	CRHEATER101A00	4.4	3.3/4.0	037	037	-	-	
		CRHEATER102A00	6.5	4.9/6.0	037	037	-	-	
		CRHEATER103B00	8.7	6.5/8.0	037	037	-	-	
		CRHEATER104B00	10.5	7.9/9.6	040	040	-	-	
		CRHEATER102A00,102A00	13.0	9.8/11.9	040	040	-	-	
	STD	CRHEATER101A00	4.4	3.3/4.0	037	037	-	-	
		CRHEATER102A00	6.5	4.9/6.0	037	037	-	-	
		CRHEATER103B00	8.7	6.5/8.0	037	037	-	-	
		CRHEATER104B00	10.5	7.9/9.6	040	040	-	-	
		CRHEATER102A00,102A00	13.0	9.8/11.9	040	040	-	-	
	MED	CRHEATER101A00	4.4	3.3/4.0	037	037	-	-	
		CRHEATER102A00	6.5	4.9/6.0	037	037	-	-	
		CRHEATER103B00	8.7	6.5/8.0	037	037	-	-	
		CRHEATER104B00	10.5	7.9/9.6	040	040	-	-	
		CRHEATER102A00,102A00	13.0	9.8/11.9	040	040	-	-	
	208/230-3-60	DD-STD	CRHEATER101A00	4.4	3.3/4.0	037	037	037	037
			CRHEATER102A00	6.5	4.9/6.0	037	037	037	037
			CRHEATER103B00	8.7	6.5/8.0	037	037	037	037
CRHEATER104B00			10.5	7.9/9.6	037	037	037	037	
CRHEATER105A00			16.0	12.0/14.7	037	037	038	038	
STD		CRHEATER101A00	4.4	3.3/4.0	037	037	037	037	
		CRHEATER102A00	6.5	4.9/6.0	037	037	037	037	
		CRHEATER103B00	8.7	6.5/8.0	037	037	037	037	
		CRHEATER104B00	10.5	7.9/9.6	037	037	037	037	
		CRHEATER105A00	16.0	12.0/14.7	037	037	038	038	
MED		CRHEATER101A00	4.4	3.3/4.0	037	037	037	037	
		CRHEATER102A00	6.5	4.9/6.0	037	037	037	037	
		CRHEATER103B00	8.7	6.5/8.0	037	037	037	037	
		CRHEATER104B00	10.5	7.9/9.6	037	037	037	037	
		CRHEATER105A00	16.0	12.0/14.7	037	037	038	038	
HIGH		CRHEATER101A00	4.4	3.3/4.0	037	037	037	037	
		CRHEATER102A00	6.5	4.9/6.0	037	037	037	037	
		CRHEATER103B00	8.7	6.5/8.0	037	037	037	037	
	CRHEATER104B00	10.5	7.9/9.6	037	037	037	037		
	CRHEATER105A00	16.0	12.0/14.7	037	038	038	038		
460-3-60	DD-STD	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER107A00	8.8	8.1	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
	STD	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER107A00	8.8	8.1	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
	MED	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER107A00	8.8	8.1	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
HIGH	CRHEATER106A00	6.0	5.5	-	-	-	-		
	CRHEATER107A00	8.8	8.1	-	-	-	-		
	CRHEATER108A00	11.5	10.6	-	-	-	-		
	CRHEATER109A00	14.0	12.9	-	-	-	-		
575-3-60	DD-STD	CRHEATER297A00	9.2	9.2	-	-	-	-	
		CRHEATER298A00	13.8	13.8	-	-	-	-	
	STD	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	MED	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	HIGH	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH)

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH048	208/230-1-60	DD-STD	CRHEATER101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER102A00,102A00	13.0	9.8/11.9	040	040	-	-
			CRHEATER103B00,103B00	17.4	13.1/16.0	040	040	-	-
			CRHEATER104B00,104B00	21.0	15.8/19.3	040	040	-	-
		STD	CRHEATER101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER102A00,102A00	13.0	9.8/11.9	040	040	-	-
			CRHEATER103B00,103B00	17.4	13.1/16.0	040	040	-	-
			CRHEATER104B00,104B00	21.0	15.8/19.3	040	040	-	-
		MED	CRHEATER101A00	4.4	3.3/4.0	-	-	-	-
			CRHEATER103B00	8.7	6.5/8.0	037	037	-	-
	CRHEATER102A00,102A00		13.0	9.8/11.9	040	040	-	-	
	CRHEATER103B00,103B00		17.4	13.1/16.0	040	040	-	-	
	CRHEATER104B00,104B00		21.0	15.8/19.3	040	040	-	-	
	208/230-3-60	DD-STD	CRHEATER102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER103B00	8.7	6.5/8.0	-	-	-	-
			CRHEATER105A00	16.0	12.0/14.7	037	037	038	038
			CRHEATER104B00,104B00	21.0	15.8/19.3	038	038	038	038
			CRHEATER102A00	6.5	4.9/6.0	-	-	-	-
STD		CRHEATER103B00	8.7	6.5/8.0	-	-	-	-	
		CRHEATER105A00	16.0	12.0/14.7	037	037	038	038	
		CRHEATER104B00,104B00	21.0	15.8/19.3	038	038	038	038	
		CRHEATER102A00	6.5	4.9/6.0	-	-	-	-	
MED		CRHEATER103B00	8.7	6.5/8.0	-	-	-	-	
		CRHEATER105A00	16.0	12.0/14.7	037	037	038	038	
		CRHEATER104B00,104B00	21.0	15.8/19.3	038	038	038	038	
	CRHEATER102A00	6.5	4.9/6.0	-	-	-	-		
HIGH	CRHEATER103B00	8.7	6.5/8.0	-	-	-	-		
	CRHEATER105A00	16.0	12.0/14.7	037	038	038	038		
	CRHEATER104B00,104B00	21.0	15.8/19.3	038	038	038	038		
	CRHEATER106A00	6.0	5.5	-	-	-	-		
460-3-60	DD-STD	CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
	STD	CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
	MED	CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER106A00	6.0	5.5	-	-	-	-	
CRHEATER108A00		11.5	10.6	-	-	-	-		
HIGH	CRHEATER109A00	14.0	12.9	-	-	-	-		
	CRHEATER108A00,108A00	23.0	21.1	037	037	037	037		
	CRHEATER106A00	6.0	5.5	-	-	-	-		
	CRHEATER108A00	11.5	10.6	-	-	-	-		
575-3-60	DD-STD	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	STD	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	MED	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	HIGH	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED NON-FUSED DISCONNECTSWITCH

RAH048	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
208/230-1-60	DD-STD	CRHEATER101A00	4.4	3.3/4.0	037	037	-	-	
		CRHEATER103B00	8.7	6.5/8.0	037	037	-	-	
		CRHEATER102A00, 102A00	13.0	9.8/11.9	040	040	-	-	
		CRHEATER103B00, 103B00	17.4	13.1/16.0	040	040	-	-	
		CRHEATER104B00, 104B00	21.0	15.8/19.3	040	040	-	-	
	STD	CRHEATER101A00	4.4	3.3/4.0	037	037	-	-	
		CRHEATER103B00	8.7	6.5/8.0	037	037	-	-	
		CRHEATER102A00, 102A00	13.0	9.8/11.9	040	040	-	-	
		CRHEATER103B00, 103B00	17.4	13.1/16.0	040	040	-	-	
		CRHEATER104B00, 104B00	21.0	15.8/19.3	040	040	-	-	
	MED	CRHEATER101A00	4.4	3.3/4.0	037	037	-	-	
		CRHEATER103B00	8.7	6.5/8.0	037	037	-	-	
CRHEATER102A00, 102A00		13.0	9.8/11.9	040	040	-	-		
CRHEATER103B00, 103B00		17.4	13.1/16.0	040	040	-	-		
CRHEATER104B00, 104B00		21.0	15.8/19.3	040	040	-	-		
208/230-3-60	DD-STD	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037	
		CRHEATER103B00	8.7	6.5/8.0	037	037	037	037	
		CRHEATER105A00	16.0	12.0/14.7	037	037	038	038	
		CRHEATER104B00, 104B00	21.0	15.8/19.3	038	038	038	038	
	STD	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037	
		CRHEATER103B00	8.7	6.5/8.0	037	037	037	037	
		CRHEATER105A00	16.0	12.0/14.7	037	037	038	038	
		CRHEATER104B00, 104B00	21.0	15.8/19.3	038	038	038	038	
	MED	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037	
		CRHEATER103B00	8.7	6.5/8.0	037	037	037	037	
		CRHEATER105A00	16.0	12.0/14.7	037	037	038	038	
		CRHEATER104B00, 104B00	21.0	15.8/19.3	038	038	038	038	
HIGH	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037		
	CRHEATER103B00	8.7	6.5/8.0	037	037	037	037		
	CRHEATER105A00	16.0	12.0/14.7	037	038	038	038		
	CRHEATER104B00, 104B00	21.0	15.8/19.3	038	038	038	038		
460-3-60	DD-STD	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00, 108A00	23.0	21.1	037	037	037	037	
	STD	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00, 108A00	23.0	21.1	037	037	037	037	
	MED	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00, 108A00	23.0	21.1	037	037	037	037	
HIGH	CRHEATER106A00	6.0	5.5	-	-	-	-		
	CRHEATER108A00	11.5	10.6	-	-	-	-		
	CRHEATER109A00	14.0	12.9	-	-	-	-		
	CRHEATER108A00, 108A00	23.0	21.1	037	037	037	037		
575-3-60	DD-STD	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	STD	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	MED	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	
	HIGH	CRHEATER297A00	10.0	9.2	-	-	-	-	
		CRHEATER298A00	15.0	13.8	-	-	-	-	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH)

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. pwrd fr/unit)
RAH060	208/230-1-60	DD-STD	CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER 102A00,102A00	13.0	9.8/11.9	040	040	-	-
			CRHEATER 103B00,103B00	17.4	13.1/16.0	040	040	-	-
			CRHEATER 104B00,104B00	21.0	15.8/19.3	040	040	-	-
		STD	CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER 102A00,102A00	13.0	9.8/11.9	040	040	-	-
			CRHEATER 103B00,103B00	17.4	13.1/16.0	040	040	-	-
			CRHEATER 104B00,104B00	21.0	15.8/19.3	040	040	-	-
		MED	CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 103B00	8.7	6.5/8.0	037	037	-	-
	CRHEATER 102A00,102A00		13.0	9.8/11.9	040	040	-	-	
	CRHEATER 103B00,103B00		17.4	13.1/16.0	040	040	-	-	
	CRHEATER 104B00,104B00		21.0	15.8/19.3	040	040	-	-	
	208/230-3-60	DD-STD	CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 104B00	10.5	7.9/9.6	-	-	-	-
			CRHEATER 105A00	16.0	12.0/14.7	037	037	038	038
			CRHEATER 104B00,104B00	21.0	15.8/19.3	038	038	038	038
			CRHEATER 104B00,105A00	26.5	19.9/24.3	038	038	038	038
		STD	CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 104B00	10.5	7.9/9.6	-	-	-	-
			CRHEATER 105A00	16.0	12.0/14.7	037	037	038	038
			CRHEATER 104B00,104B00	21.0	15.8/19.3	038	038	038	038
			CRHEATER 104B00,105A00	26.5	19.9/24.3	038	038	038	038
		MED	CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-
			CRHEATER 104B00	10.5	7.9/9.6	-	-	-	037
			CRHEATER 105A00	16.0	12.0/14.7	037	038	038	038
CRHEATER 104B00,104B00			21.0	15.8/19.3	038	038	038	038	
CRHEATER 104B00,105A00			26.5	19.9/24.3	038	038	038	038	
HIGH		CRHEATER 102A00	6.5	4.9/6.0	-	-	-	-	
		CRHEATER 104B00	10.5	7.9/9.6	-	-	-	037	
		CRHEATER 105A00	16.0	12.0/14.7	037	038	038	038	
	CRHEATER 104B00,104B00	21.0	15.8/19.3	038	038	038	038		
	CRHEATER 104B00,105A00	26.5	19.9/24.3	038	038	038	038		
460-3-60	DD-STD	CRHEATER 106A00	6.0	5.5	-	-	-	-	
		CRHEATER 108A00	11.5	10.6	-	-	-	-	
		CRHEATER 109A00	14.0	12.9	-	-	-	-	
		CRHEATER 108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER 108A00,109A00	25.5	23.4	037	037	037	037	
	STD	CRHEATER 106A00	6.0	5.5	-	-	-	-	
		CRHEATER 108A00	11.5	10.6	-	-	-	-	
		CRHEATER 109A00	14.0	12.9	-	-	-	-	
		CRHEATER 108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER 108A00,109A00	25.5	23.4	037	037	037	037	
	MED	CRHEATER 106A00	6.0	5.5	-	-	-	-	
		CRHEATER 108A00	11.5	10.6	-	-	-	-	
		CRHEATER 109A00	14.0	12.9	-	-	-	-	
		CRHEATER 108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER 108A00,109A00	25.5	23.4	037	037	037	037	
HIGH	CRHEATER 106A00	6.0	5.5	-	-	-	-		
	CRHEATER 108A00	11.5	10.6	-	-	-	-		
	CRHEATER 109A00	14.0	12.9	-	-	-	-		
	CRHEATER 108A00,108A00	23.0	21.1	037	037	037	037		
	CRHEATER 108A00,109A00	25.5	23.4	037	037	037	037		
575-3-60	DD-STD	CRHEATER 298A00	15.0	13.8	-	-	-	-	
		CRHEATER 301A00	25.0	23.0	037	037	037	037	
	STD	CRHEATER 298A00	15.0	13.8	-	-	-	-	
		CRHEATER 301A00	25.0	23.0	037	037	037	037	
	MED	CRHEATER 298A00	15.0	13.8	-	-	-	-	
		CRHEATER 301A00	25.0	23.0	037	037	037	037	
	HIGH	CRHEATER 298A00	15.0	13.8	-	-	-	-	
		CRHEATER 301A00	25.0	23.0	037	037	037	037	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED NON-FUSED DISCONNECT SWITCH

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH060	208/230-1-60	DD-STD	CRHEATER102A00	6.5	4.9/6.0	037	037	-	-
			CRHEATER103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER102A00,102A00	13.0	9.8/11.9	040	040	-	-
			CRHEATER103B00,103B00	17.4	13.1/16.0	040	040	-	-
			CRHEATER104B00,104B00	21.0	15.8/19.3	040	040	-	-
		STD	CRHEATER102A00	6.5	4.9/6.0	037	037	-	-
			CRHEATER103B00	8.7	6.5/8.0	037	037	-	-
			CRHEATER102A00,102A00	13.0	9.8/11.9	040	040	-	-
			CRHEATER103B00,103B00	17.4	13.1/16.0	040	040	-	-
		MED	CRHEATER104B00,104B00	21.0	15.8/19.3	040	040	-	-
			CRHEATER102A00	6.5	4.9/6.0	037	037	-	-
			CRHEATER103B00	8.7	6.5/8.0	037	037	-	-
	CRHEATER102A00,102A00		13.0	9.8/11.9	040	040	-	-	
	CRHEATER103B00,103B00		17.4	13.1/16.0	040	040	-	-	
	208/230-3-60	DD-STD	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037
			CRHEATER104B00	10.5	7.9/9.6	037	037	037	037
			CRHEATER105A00	16.0	12.0/14.7	037	037	038	038
			CRHEATER104B00,104B00	21.0	15.8/19.3	038	038	038	038
			CRHEATER104B00,105A00	26.5	19.9/24.3	038	038	038	038
		STD	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037
			CRHEATER104B00	10.5	7.9/9.6	037	037	037	037
			CRHEATER105A00	16.0	12.0/14.7	037	037	038	038
			CRHEATER104B00,104B00	21.0	15.8/19.3	038	038	038	038
			CRHEATER104B00,105A00	26.5	19.9/24.3	038	038	038	038
		MED	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037
			CRHEATER104B00	10.5	7.9/9.6	037	037	037	037
			CRHEATER105A00	16.0	12.0/14.7	037	038	038	038
			CRHEATER104B00,104B00	21.0	15.8/19.3	038	038	038	038
			CRHEATER104B00,105A00	26.5	19.9/24.3	038	038	038	038
		HIGH	CRHEATER102A00	6.5	4.9/6.0	037	037	037	037
CRHEATER104B00			10.5	7.9/9.6	037	037	037	037	
CRHEATER105A00			16.0	12.0/14.7	037	038	038	038	
CRHEATER104B00,104B00			21.0	15.8/19.3	038	038	038	038	
CRHEATER104B00,105A00			26.5	19.9/24.3	038	038	038	038	
460-3-60		DD-STD	CRHEATER106A00	6.0	5.5	-	-	-	-
			CRHEATER108A00	11.5	10.6	-	-	-	-
			CRHEATER109A00	14.0	12.9	-	-	-	-
			CRHEATER108A00,108A00	23.0	21.1	037	037	037	037
	CRHEATER108A00,109A00		25.5	23.4	037	037	037	037	
	STD	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER108A00,109A00	25.5	23.4	037	037	037	037	
	MED	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER108A00,109A00	25.5	23.4	037	037	037	037	
	HIGH	CRHEATER106A00	6.0	5.5	-	-	-	-	
		CRHEATER108A00	11.5	10.6	-	-	-	-	
		CRHEATER109A00	14.0	12.9	-	-	-	-	
		CRHEATER108A00,108A00	23.0	21.1	037	037	037	037	
		CRHEATER108A00,109A00	25.5	23.4	037	037	037	037	
575-3-60	DD-STD	CRHEATER298A00	15.0	13.8	-	-	-	-	
		CRHEATER301A00	25.0	23.0	037	037	037	037	
	STD	CRHEATER298A00	15.0	13.8	-	-	-	-	
		CRHEATER301A00	25.0	23.0	037	037	037	037	
	MED	CRHEATER298A00	15.0	13.8	-	-	-	-	
		CRHEATER301A00	25.0	23.0	037	037	037	037	
	HIGH	CRHEATER298A00	15.0	13.8	-	-	-	-	
		CRHEATER301A00	25.0	23.0	037	037	037	037	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

**MODELS WITH ELECTRIC HEAT AND UNITS WITH FACTORY INSTALLED NON-FUSED DISCONNECT SWITCH
(SEE BELOW FOR NON-FUSED DISCONNECT SWITCH AND 2-STAGE COOLING MODELS)**

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH072 (1-Stage Cooling)	208/230-3-60	STD	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	042	042	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
		MED	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	042	043	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
		HIGH	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
	CRHEATER110A00		16.0	12.0/14.7	043	043	043	043	
	CRHEATER117A00,117A00		21.0	15.8/19.3	043	043	043	043	
	CRHEATER110A00,117A00		26.5	19.9/24.3	043	043	043	043	
	460-3-60	STD	CRHEATER265A00	6.0	5.5	042	042	042	042
			CRHEATER266A00	11.5	10.6	042	042	042	042
			CRHEATER267A00	14.0	12.9	042	042	042	042
			CRHEATER268A00	23.0	21.1	042	042	042	042
			CRHEATER269A00	25.5	23.4	042	042	042	042
		MED	CRHEATER265A00	6.0	5.5	042	042	042	042
			CRHEATER266A00	11.5	10.6	042	042	042	042
			CRHEATER267A00	14.0	12.9	042	042	042	042
			CRHEATER268A00	23.0	21.1	042	042	042	042
CRHEATER269A00			25.5	23.4	042	042	042	042	
HIGH		CRHEATER265A00	6.0	5.5	042	042	042	042	
		CRHEATER266A00	11.5	10.6	042	042	042	042	
	CRHEATER267A00	14.0	12.9	042	042	042	042		
	CRHEATER268A00	23.0	21.1	042	042	042	042		
	CRHEATER269A00	25.5	23.4	042	042	042	042		
575-3-60	STD	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	28.0	25.7	042	042	042	042	
	MED	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	25.7	25.7	042	042	042	042	
	HIGH	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	25.7	25.7	042	042	042	042	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH 2-STAGE COOLING, ELECTRIC HEAT AND UNITS WITH FACTORY INSTALLED NON-FUSED DISCONNECT SWITCH (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH, 2-STAGE COOLING AND 2-SPEED INDOOR FAN MOTOR)

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH073 (2-Stage Cooling)	208/230-3-60	STD	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	042	042	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
		MED	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	042	043	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
		HIGH	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	043	043	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
	460-3-60	STD	CRHEATER265A00	6.0	5.5	042	042	042	042
			CRHEATER266A00	11.5	10.6	042	042	042	042
			CRHEATER267A00	14.0	12.9	042	042	042	042
			CRHEATER268A00	23.0	21.1	042	042	042	042
			CRHEATER269A00	25.5	23.4	042	042	042	042
		MED	CRHEATER265A00	6.0	5.5	042	042	042	042
			CRHEATER266A00	11.5	10.6	042	042	042	042
			CRHEATER267A00	14.0	12.9	042	042	042	042
			CRHEATER268A00	23.0	21.1	042	042	042	042
			CRHEATER269A00	25.5	23.4	042	042	042	042
		HIGH	CRHEATER265A00	6.0	5.5	042	042	042	042
			CRHEATER266A00	11.5	10.6	042	042	042	042
CRHEATER267A00			14.0	12.9	042	042	042	042	
CRHEATER268A00			23.0	21.1	042	042	042	042	
CRHEATER269A00			25.5	23.4	042	042	042	042	
575-3-60	STD	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	28.0	25.7	042	042	042	042	
	MED	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	28.0	25.7	042	042	042	042	
	HIGH	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	28.0	25.7	042	042	042	042	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

**MODELS WITH 2-STAGE COOLING, ELECTRIC HEAT AND FACTORY INSTALLED PLUS COMBINATION
2- SPEED INDOOR FAN MOTOR AND NON-FUSED DISCONNECT SWITCH**

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH073 (2-Stage Cooling)	208/230-3-60	STD	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	042	042	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
		MED	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	042	043	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
		HIGH	CRHEATER264A00	6.5	4.9/6.0	042	042	042	042
			CRHEATER117A00	10.4	7.8/9.6	042	042	042	042
			CRHEATER110A00	16.0	12.0/14.7	043	043	043	043
			CRHEATER117A00,117A00	21.0	15.8/19.3	043	043	043	043
			CRHEATER110A00,117A00	26.5	19.9/24.3	043	043	043	043
	460-3-60	STD	CRHEATER265A00	6.0	5.5	042	042	042	042
			CRHEATER266A00	11.5	10.6	042	042	042	042
			CRHEATER267A00	14.0	12.9	042	042	042	042
			CRHEATER268A00	23.0	21.1	042	042	042	042
			CRHEATER269A00	25.5	23.4	042	042	042	042
		MED	CRHEATER265A00	6.0	5.5	042	042	042	042
CRHEATER266A00			11.5	10.6	042	042	042	042	
CRHEATER267A00			14.0	12.9	042	042	042	042	
CRHEATER268A00			23.0	21.1	042	042	042	042	
CRHEATER269A00			25.5	23.4	042	042	042	042	
HIGH		CRHEATER265A00	6.0	5.5	042	042	042	042	
		CRHEATER266A00	11.5	10.6	042	042	042	042	
		CRHEATER267A00	14.0	12.9	042	042	042	042	
		CRHEATER268A00	23.0	21.1	042	042	042	042	
		CRHEATER269A00	25.5	23.4	042	042	042	042	
575-3-60	STD	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	28.0	25.7	042	042	042	042	
	MED	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	28.0	25.7	042	042	042	042	
	HIGH	CRHEATER118A00	18.0	16.5	042	042	042	042	
		CRHEATER299A00	28.0	25.7	042	042	042	042	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH AND
2-SPEED INDOOR FAN MOTOR OPTIONS)

NOM. V-PH-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00				
					NO C.O. or Unpowered C.O.		w/PWRD C.O.		
					NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)	
RAH102 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	047	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
	MED	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047	
		CRHEATER110A00	16.0	12.0/14.7	047	049	049	049	
		CRHEATER111A00	24.8	18.6/22.8	049	049	049	049	
		CRHEATER112A00	32.0	24.0/29.4	049	049	049	049	
		CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051	
	HIGH	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047	
		CRHEATER110A00	16.0	12.0/14.7	049	049	049	049	
		CRHEATER111A00	24.8	18.6/22.8	049	049	049	049	
		CRHEATER112A00	32.0	24.0/29.4	049	049	049	049	
		CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051	
RAH102 (2-stage cool)	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
	MED	CRHEATER116B00	13.9	12.8	047	047	047	047	
		CRHEATER113B00	16.5	15.2	047	047	047	047	
		CRHEATER114B00	27.8	25.5	047	047	047	047	
		CRHEATER115B00	33.0	30.3	047	047	047	047	
		CRHEATER128B00	41.7	38.3	050	050	050	050	
	HIGH	CRHEATER116B00	13.9	12.8	047	047	047	047	
		CRHEATER113B00	16.5	15.2	047	047	047	047	
		CRHEATER114B00	27.8	25.5	047	047	047	047	
		CRHEATER115B00	33.0	30.3	047	047	047	050	
		CRHEATER128B00	41.7	38.3	050	050	050	050	
575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
	MED	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
	HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

**MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED 2- SPEED INDOOR FAN MOTOR PLUS COMBINATION
2- SPEED INDOOR FAN MOTOR AND NON-FUSED DISCONNECT SWITCH**

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH102 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	047	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
		MED	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	049	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
		HIGH	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
RAH102 (2-stage cool)	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
		MED	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
		HIGH	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	050
			CRHEATER128B00	41.7	38.3	050	050	050	050
RAH102 (2-stage cool)	575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047
			CRHEATER119A00	36.0	33.1	047	047	047	047
		MED	CRHEATER118A00	18.0	16.5	047	047	047	047
			CRHEATER119A00	36.0	33.1	047	047	047	047
		HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047
			CRHEATER119A00	36.0	33.1	047	047	047	047

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH AND
2-SPEED INDOOR FAN MOTOR OPTIONS)

	NOM. V./Ph/Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH102 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	047	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
		MED	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	049	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
		HIGH	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
		MED	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
CRHEATER128B00			41.7	38.3	050	050	050	050	
HIGH		CRHEATER116B0	13.9	12.8	047	047	047	047	
		CRHEATER113B0	16.5	15.2	047	047	047	047	
		CRHEATER114B00	27.8	25.5	047	047	047	047	
		CRHEATER115B00	33.0	30.3	047	047	047	050	
		CRHEATER128B00	41.7	38.3	050	050	050	050	
575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
	MED	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
	HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

**MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED 2-SPEED INDOOR FAN MOTOR PLUS COMBINATION
2-SPEED INDOOR FAN MOTOR AND NON-FUSED DISCONNECT SWITCH**

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH102 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	047	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
		MED	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	049	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
		HIGH	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER111A00	24.8	18.6/22.8	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
		MED	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER114B00	27.8	25.5	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
CRHEATER128B00			41.7	38.3	050	050	050	050	
HIGH		CRHEATER116B00	13.9	12.8	047	047	047	047	
		CRHEATER113B00	16.5	15.2	047	047	047	047	
		CRHEATER114B00	27.8	25.5	047	047	047	047	
		CRHEATER115B00	33.0	30.3	047	047	047	050	
		CRHEATER128B00	41.7	38.3	050	050	050	050	
575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
	MED	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
	HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH AND 2-SPEED INDOOR FAN MOTOR OPTIONS)

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH110 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	049
			CRHEATER110A00	16.0	12.0/14.7	047	047	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		MED	CRHEATER117A00	10.4	7.8/9.6	047	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		HIGH	CRHEATER117A00	10.4	7.8/9.6	049	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
	CRHEATER112A00		32.0	24.0/29.4	049	049	049	049	
	CRHEATER112A00,117A00		42.4	31.8/38.9	051	051	051	051	
	CRHEATER112A00,110A00		50.0	37.6/45.9	051	051	051	051	
	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
			CRHEATER129B00	50.0	45.9	050	050	050	050
		MED	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	050
			CRHEATER128B00	41.7	38.3	050	050	050	050
CRHEATER129B00			50.0	45.9	050	050	050	050	
HIGH		CRHEATER116B00	13.9	12.8	047	047	047	047	
		CRHEATER113B00	16.5	15.2	047	047	047	047	
	CRHEATER115B00	33.0	30.3	047	047	050	050		
	CRHEATER128B00	41.7	38.3	050	050	050	050		
	CRHEATER129B00	50.0	45.9	050	050	050	050		
575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	047	047	047	050	
	MED	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	047	050	047	050	
	HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	050	047	047	
		CRHEATER118A00,119A00	54.0	49.6	050	050	050	050	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

**MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED 2-SPEED INDOOR FAN MOTOR PLUS COMBINATION
2-SPEED INDOOR FAN MOTOR AND NON-FUSED DISCONNECT SWITCH**

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH110 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	049
			CRHEATER110A00	16.0	12.0/14.7	047	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		MED	CRHEATER117A00	10.4	7.8/9.6	047	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		HIGH	CRHEATER117A00	10.4	7.8/9.6	049	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
RAH110 (2-stage cool)	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
			CRHEATER129B00	50.0	45.9	050	050	050	050
		MED	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	050
			CRHEATER128B00	41.7	38.3	050	050	050	050
			CRHEATER129B00	50.0	45.9	050	050	050	050
		HIGH	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	050	050
			CRHEATER128B00	41.7	38.3	050	050	050	050
			CRHEATER129B00	50.0	45.9	050	050	050	050
RAH110 (2-stage cool)	575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047
			CRHEATER119A00	36.0	33.1	047	047	047	047
			CRHEATER118A00,119A00	54.0	49.6	047	050	047	-050
		MED	CRHEATER118A00	18.0	16.5	047	047	047	047
			CRHEATER119A00	36.0	33.1	047	047	047	047
			CRHEATER118A00,119A00	54.0	49.6	047	050	050	050
		HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047
			CRHEATER119A00	36.0	33.1	047	047	047	047
			CRHEATER118A00,119A00	54.0	49.6	050	050	050	050

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH
AND 2-SPEED INDOOR FAN MOTOR OPTIONS)

	NOM. V Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH120 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	047
			CRHEATER110A00	16.0	12.0/14.7	047	047	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		MED	CRHEATER117A00	10.4	7.8/9.6	047	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		HIGH	CRHEATER117A00	10.4	7.8/9.6	047	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
			CRHEATER129B00	50.0	45.9	050	050	050	050
		MED	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	050
			CRHEATER128B00	41.7	38.3	050	050	050	050
			CRHEATER129B00	50.0	45.9	050	050	050	050
		HIGH	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
CRHEATER115B00			33.0	30.3	047	047	050	050	
CRHEATER128B00			41.7	38.3	050	050	050	050	
CRHEATER129B00			50.0	45.9	050	050	050	050	
575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	047	047	047	050	
	MED	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	047	050	047	050	
	HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	050	050	050	050	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED 2-SPEED INDOOR FAN MOTOR PLUS COMBINATION 2-SPEED INDOOR FAN MOTOR AND NON-FUSED DISCONNECT SWITCH

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH120 (2-stage cool)	208/230-3-60	STD	CRHEATER117A00	10.4	7.8/9.6	047	047	047	049
			CRHEATER110A00	16.0	12.0/14.7	047	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		MED	CRHEATER117A00	10.4	7.8/9.6	047	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
		HIGH	CRHEATER117A00	10.4	7.8/9.6	047	049	049	049
			CRHEATER110A00	16.0	12.0/14.7	049	049	049	049
			CRHEATER112A00	32.0	24.0/29.4	049	049	049	049
			CRHEATER112A00,117A00	42.4	31.8/38.9	051	051	051	051
			CRHEATER112A00,110A00	50.0	37.6/45.9	051	051	051	051
	460-3-60	STD	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	047
			CRHEATER128B00	41.7	38.3	050	050	050	050
			CRHEATER129B00	50.0	45.9	050	050	050	050
		MED	CRHEATER116B00	13.9	12.8	047	047	047	047
			CRHEATER113B00	16.5	15.2	047	047	047	047
			CRHEATER115B00	33.0	30.3	047	047	047	050
			CRHEATER128B00	41.7	38.3	050	050	050	050
CRHEATER129B00			50.0	45.9	050	050	050	050	
HIGH		CRHEATER116B00	13.9	12.8	047	047	047	047	
		CRHEATER113B00	16.5	15.2	047	047	047	047	
		CRHEATER115B00	33.0	30.3	047	047	050	050	
		CRHEATER128B00	41.7	38.3	050	050	050	050	
		CRHEATER129B00	50.0	45.9	050	050	050	050	
575-3-60	STD	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	047	050	047	050	
	MED	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	047	050	050	050	
	HIGH	CRHEATER118A00	18.0	16.5	047	047	047	047	
		CRHEATER119A00	36.0	33.1	047	047	047	047	
		CRHEATER118A00,119A00	54.0	49.6	050	050	050	050	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

MODELS WITH ELECTRIC HEAT (SEE BELOW FOR NON-FUSED DISCONNECT SWITCH AND 2-SPEED INDOOR FAN MOTOR OPTIONS)

	NOM. V _{Ph} /Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH150 (2-stage cool)	208/230-3-60	STD	CRHEATER291A00	16.5	12.4/15.2	049	049	049	049
			CRHEATER288A00,291A00	26.5	19.9/24.3	049	049	049	049
			CRHEATER294A00	33.5	25.2/30.8	049	049	049	049
			CRHEATER288A00,294A00	43.5	32.7/40.0	051	051	051	051
			CRHEATER291A00,294A00	50.0	37.6/45.9	051	051	051	051
		MED	CRHEATER291A00	16.5	12.4/15.2	049	049	049	049
			CRHEATER288A00,291A00	26.5	19.9/24.3	049	049	049	049
			CRHEATER294A00	33.5	25.2/30.8	049	049	049	049
			CRHEATER288A00,294A00	43.5	32.7/40.0	051	051	051	051
			CRHEATER291A00,294A00	50.0	37.6/45.9	051	051	051	051
		HIGH-High Efficiency	CRHEATER291A00	16.5	12.4/15.2	049	049	049	049
			CRHEATER288A00,291A00	26.5	19.9/24.3	049	049	049	049
	CRHEATER294A00		33.5	25.2/30.8	049	049	049	049	
	CRHEATER288A00,294A00		43.5	32.7/40.0	051	051	051	051	
	460-3-60	STD	CRHEATER292A00	16.5	15.2	-	-	-	-
			CRHEATER289A00,292A00	26.5	24.3	047	047	047	047
			CRHEATER295A00	33.5	30.8	047	047	047	050
			CRHEATER289A00,295A00	43.5	40.0	050	050	050	050
			CRHEATER292A00,295A00	50.0	45.9	050	050	050	050
		MED	CRHEATER292A00	16.5	15.2	-	-	-	-
			CRHEATER289A00,292A00	26.5	24.3	047	047	047	047
			CRHEATER295A00	33.5	30.8	047	047	047	050
			CRHEATER289A00,295A00	43.5	40.0	050	050	050	050
			CRHEATER292A00,295A00	50.0	45.9	050	050	050	050
HIGH-High Efficiency		CRHEATER292A00	16.5	15.2	-	-	-	-	
		CRHEATER289A00,292A00	26.5	24.3	047	047	047	047	
	CRHEATER295A00	33.5	30.8	050	050	050	050		
	CRHEATER289A00,295A00	43.5	40.0	050	050	050	050		
575-3-60	STD	CRHEATER293A00	16.5	15.2	-	-	-	-	
		CRHEATER290A00,293A00	26.5	24.3	047	047	047	047	
		CRHEATER296A00	33.5	30.8	047	047	047	047	
		CRHEATER290A00,296A00	43.5	40.0	047	050	047	050	
		CRHEATER293A00,296A00	50.0	45.9	047	047	047	047	
	MED	CRHEATER293A00	16.5	15.2	-	-	-	-	
		CRHEATER290A00,293A00	26.5	24.3	047	047	047	047	
		CRHEATER296A00	33.5	30.8	047	047	047	047	
		CRHEATER290A00,296A00	43.5	40.0	047	050	047	050	
		CRHEATER293A00,296A00	50.0	45.9	047	047	047	047	
	HIGH-High Efficiency	CRHEATER293A00	16.5	15.2	-	-	-	-	
		CRHEATER290A00,293A00	26.5	24.3	047	047	047	047	
CRHEATER296A00		33.5	30.8	047	047	047	047		
CRHEATER290A00,296A00		43.5	40.0	050	050	050	050		
		CRHEATER293A00,296A00	50.0	45.9	050	050	050	050	

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

**MODELS WITH ELECTRIC HEAT AND FACTORY INSTALLED 2-SPEED INDOOR FAN MOTOR PLUS COMBINATION
2-SPEED INDOOR FAN MOTOR AND NON-FUSED DISCONNECT SWITCH**

	NOM. V-Ph-Hz	IFM TYPE	Electric Heater Part Number	Nominal (kW)	Application (kW)	Single Point Kit Part Number CRSINGLEXXA00			
						NO C.O. or Unpowered C.O.		w/PWRD C.O.	
						NO P.E.	w/ P.E. (pwrd fr/unit)	NO P.E.	w/ P.E. (pwrd fr/unit)
RAH150 (2-stage cool)	208/230-3-60	STD	CRHEATER291A00	16.5	12.4/15.2	049	049	049	049
			CRHEATER288A00,291A00	26.5	19.9/24.3	049	049	049	049
			CRHEATER294A00	33.5	25.2/30.8	049	049	049	049
			CRHEATER288A00,294A00	43.5	32.7/40.0	051	051	051	051
			CRHEATER291A00,294A00	50.0	37.6/45.9	051	051	051	051
		MED	CRHEATER291A00	16.5	12.4/15.2	049	049	049	049
			CRHEATER288A00,291A00	26.5	19.9/24.3	049	049	049	049
			CRHEATER294A00	33.5	25.2/30.8	049	049	049	049
			CRHEATER288A00,294A00	43.5	32.7/40.0	051	051	051	051
		HIGH	CRHEATER291A00	16.5	12.4/15.2	049	049	049	049
			CRHEATER288A00,291A00	26.5	19.9/24.3	049	049	049	049
			CRHEATER294A00	33.5	25.2/30.8	049	049	049	049
	CRHEATER288A00,294A00		43.5	32.7/40.0	051	051	051	051	
	460-3-60	STD	CRHEATER292A00	16.5	15.2	-	-	-	-
			CRHEATER289A00,292A00	26.5	24.3	047	047	047	047
			CRHEATER295A00	33.5	30.8	047	047	047	050
			CRHEATER289A00,295A00	43.5	40.0	050	050	050	050
			CRHEATER292A00,295A00	50.0	45.9	050	050	050	050
		MED	CRHEATER292A00	16.5	15.2	-	-	-	-
			CRHEATER289A00,292A00	26.5	24.3	047	047	047	047
			CRHEATER295A00	33.5	30.8	047	047	047	050
			CRHEATER289A00,295A00	43.5	40.0	050	050	050	050
		HIGH	CRHEATER292A00	16.5	15.2	-	-	-	-
			CRHEATER289A00,292A00	26.5	24.3	047	047	047	047
CRHEATER295A00			33.5	30.8	050	050	050	050	
CRHEATER289A00,295A00	43.5		40.0	050	050	050	050		
575-3-60	STD	CRHEATER293A00	16.5	15.2	-	-	-	-	
		CRHEATER290A00,293A00	26.5	24.3	047	047	047	047	
		CRHEATER296A00	33.5	30.8	047	047	047	047	
		CRHEATER290A00,296A00	43.5	40.0	047	050	050	050	
		CRHEATER293A00,296A00	50.0	45.9	047	047	047	050	
	MED	CRHEATER293A00	16.5	15.2	-	-	-	-	
		CRHEATER290A00,293A00	26.5	24.3	047	047	047	047	
		CRHEATER296A00	33.5	30.8	047	047	047	047	
		CRHEATER290A00,296A00	43.5	40.0	047	050	050	050	
	HIGH	CRHEATER293A00	16.5	15.2	-	-	-	-	
		CRHEATER290A00,293A00	26.5	24.3	047	047	047	047	
		CRHEATER296A00	33.5	30.8	047	047	047	047	
CRHEATER290A00,296A00		43.5	40.0	050	050	050	050		
CRHEATER293A00,296A00	50.0	45.9	050	050	050	050			

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

ECONOMIZERS

ECONOMIZER IV (FOR 1-SPEED INDOOR FAN MOTOR ONLY) – LOW LEAK CONTROLLER INCLUDED

VERTICAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRECOMZR020A02	LOW LEAK Vertical EconoMi\$er IV with solid-state controller, gear-driven, damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in non-DDC applications.	036-060 Elect. Mech Control
CRECOMZR021A03	LOW LEAK Vertical EconoMi\$er IV with solid-state controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in non-DDC applications.	072-120 Elect. Mech Control
CRECOMZR062A00	LOW LEAK Vertical EconoMi\$er IV with solid-state controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in non-DDC applications.	150 Elect. Mech Control

NOTES:

¹ EconoMi\$er IV cannot be installed with an EconoMi\$er X, Manual Damper, or Motorized Damper or any other DDC controlled models.

² When installed on a unit with hinged panels, hinged panel access kit is also required.

ECONOMIZER IV (FOR 1-SPEED INDOOR FAN MOTOR ONLY) – LOW LEAK CONTROLLER INCLUDED

HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRECOMZR024A02	Low Leak Horizontal EconoMi\$er IV with solid-state controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in non-DDC applications.	036-060 Elect. Mech Control
CRECOMZR025A02	Low Leak Horizontal EconoMi\$er IV with solid-state controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in non-DDC applications.	072-150 Elect. Mech Control
CRECOMZR064A00	Low Leak Horizontal EconoMi\$er IV with solid-state controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in non-DDC applications.	150 Elect. Mech Control

NOTES:

¹ EconoMi\$er IV cannot be installed with an EconoMi\$er X, Manual Damper, or Motorized Damper or any other DDC controlled models..

² When installed on a unit with hinged panels, hinged panel access kit is also required.

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

ECONOMISER X (FOR 1 & 2 SPEED INDOOR FAN MOTOR) – LOW LEAK CONTROLLER INCLUDED

VERTICAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRECOMZR076A00	Low Leak Vertical EconoMi\$er X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Controller meets California Title 24 Section 120.2 Fault Detection and Diagnostic (FDD) requirements.	036-060 Elect. Mech Control
CRECOMZR078A00	Low Leak Vertical EconoMi\$er X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Controller meets California Title 24 Section 120.2 Fault Detection and Diagnostic (FDD) requirements.	072-120 Elect. Mech Control
CRECOMZR080A00	Low Leak Vertical EconoMi\$er X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Controller meets California Title 24 Section 120.2 Fault Detection and Diagnostic (FDD) requirements.	150 Elect. Mech Control

NOTES:

¹ EconoMi\$er X cannot be installed with an EconoMi\$er IV, Manual Damper or Motorized Damper.

² When installed on a unit with hinged panels, hinged panel access kit is also required.

ECONOMISER X (FOR 1 & 2-SPEED INDOOR FAN MOTOR) – LOW LEAK CONTROLLER INCLUDED

HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRECOMZR077A00	Low Leak Horizontal EconoMi\$er X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Controller meets California title 24 Section 120.2 Fault Detection and Diagnostic (FDD) requirements.	036-060 Elect. Mech Control
CRECOMZR079A00	Low Leak Horizontal EconoMi\$er X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Controller meets California Title 24 Section 120.2 Fault Detection and Diagnostic (FDD) requirements.	072-120 Elect. Mech Control
CRECOMZR081A00	Low Leak Horizontal EconoMi\$er X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Controller meets California Title 24 Section 120.2 Fault Detection and Diagnostic (FDD) requirements.	150 Elect. Mech Control

NOTES:

¹ EconoMi\$er X cannot be installed with an EconoMi\$er IV, Manual Damper or Motorized Damper.

² When installed on a unit with hinged panels, hinged panel access kit is also required.

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

ECONOMIZER X (FOR 1 & 2-SPEED INDOOR FAN MOTOR) – ULTRA LOW LEAK CONTROLLER INCLUDED

VERTICAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRECOMZR067A01	Ultra LOW LEAK - Vertical EconoMiSer X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Includes return outside air, and relief air damper leakage that meets Title 24 section 140.4 and ASHRAE 90.1 requirements. Controller meets California Title 24 Fault Detection and Diagnostic (FDD) requirements. Also meets AMCA Class 1A economizer damper test standards and labeling.	036-060 Elect. Mech Control
CRECOMZR069A01	Ultra LOW LEAK - Vertical EconoMiSer X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air temperature sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Includes return, outside air, and relief air damper leakage that meets Title 24 section 140.4 and ASHRAE 90.1 requirements. Controller meets California Title 24 Fault Detection and Diagnostic (FDD) requirements. Also meets AMCA Class 1A economizer damper test standards and labeling.	072-120 Elect. Mech Control
CRECOMZR071A01	Ultra LOW LEAK - Vertical EconoMiSer X with solid-state W7220 controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air sensors, and CO ₂ sensor compatible, for use in electro mechanical controls only. Includes return, outside air, and relief air damper leakage that meets Title 24 section 140.4 and ASHRAE 90.1 requirements. Controller meets California Title 24 Fault Detection and Diagnostic (FDD) requirements. Also meets AMCA Class 1A economizer damper test standards and labeling.	150 Elect. Mech Control

NOTES:

- ¹ EconoMiSer X cannot be installed with an EconoMiSer IV, Manual Damper or Motorized Damper.
- ² Currently only available on vertical air flow configuration models. Contact your local MicroMetl account manager 1-800-884-4662 if horizontal model is required.
- ³ When installed on a unit with hinged panels, hinged panel access kit is also required.

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

ACCESSORY KITS FOR UNITS WITH HINGED ACCESS PANELS (036-150)

VERTICAL & SOME HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRPECONV003A00	Accessory angle kit is required when field installing a vertical economizer, a vertical power exhaust, all 2 position dampers and all manual hoods on units that has hinged access doors. Includes angle and seal strip.	036-060
CRPECONV004A00	Accessory angle kit is required when field installing a vertical economizer, a vertical power exhaust, all 2 position dampers and all manual hoods on units that has hinged access doors. Includes angle and seal strip.	072-120
CRPECONV007B00	Accessory angle kit is required when field installing a vertical economizer, a vertical power exhaust, all 2 position dampers and all manual hoods on units that has hinged access doors. Includes angle and seal strip.	150

HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRHNGPNL001A00	Hinged door kit replaces the standard filter access door shipped with the horizontal economizer accessory, with a hinged filter access door. Includes door panel, angle and seal strip.	036-060
CRHNGPNL002A00	Hinged door kit replaces the standard filter access door shipped with the horizontal economizer accessory, with a hinged filter access door. Includes door panel, angle and seal strip.	072-120
CRHNGPNL003A00	Hinged door kit replaces the standard filter access door shipped with the horizontal economizer accessory, with a hinged filter access door. Includes door panel, angle and seal strip.	150

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

ECONOMIZER SENSORS

ECONOMIZER SENSOR USAGE CHART

DESIRED CONTROL METHOD		ECONOMIZER IV ¹ REQUIRED FIELD-INSTALLED SENSOR(S)	ECONOMIZER X ¹ REQUIRED FIELD-INSTALLED SENSOR(S)
Single Dry Bulb Control		None. Outside Air dry bulb sensor is factory installed.	None. Outside Air dry bulb sensor is factory installed.
Single Enthalpy Control		(1) AXB078ENT	(1) FAST #1185124
Differential Enthalpy Control		(1) AXB078ENT & (1) DNENTDIF004A00	(2) FAST #1185124
To Add CO ₂ DCV Control with above:	Duct Mount	(1) DNCBDIOX005A00	(1) DNCBDIOX005A00

NOTE:

¹ OAT and SAT sensors included for EconoMi\$er IV.or EconoMi\$er X

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
DNTEMPSN002A00* (CRTEMPSN002A00)	Outdoor or Return Dry Bulb Temperature Sensor used with Electro- Mechanical control.	EconoMi\$er IV
DNCBDIOX005A00* (CRCBDIOX005A00)	CO ₂ Sensor for use in return airstream. Also includes Aspirator Box required for Duct Mounting.	EconoMi\$er IV, X
AXB078ENT (-HH-57AC-078)	Accu-sensor Economizer differential Enthalpy Control Upgrade	EconoMi\$er IV
DNENTDIF004A00* (CRENTDIF004A00)	Return Air Enthalpy Sensor used with Electro-Mechanical controls, use with AXB078ENT for differential enthalpy control.	EconoMi\$er IV
FAST #1185124 (-HH-57AC-081)	Enthalpy Control for W7220 Controller only, (One required for single enthalpy, two required for different enthalpy)	EconoMi\$er X

* DN accessory model numbers are available until inventory is depleted. Once inventory is depleted, use the CR accessory model number for ordering.

NOTE:

¹ Supply air temperature sensor (SAT and low ambient lockout switch) provided with EconoMi\$er IV or EconoMi\$er X.

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

POWER EXHAUST ACCESSORIES

VERTICAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRPWREXH030A01	Power Exhaust System	036-060 208/230-1-60 208/230-3-60 Vertical Power Exhaust requires a vertical economizer. ^{1 2}
CRPWREXH021A01	Power Exhaust System	036-060 460-3-60 Vertical Power Exhaust requires a vertical economizer. ¹
CRPWREXH022A01	Power Exhaust System	072-120 208/230-3-60 Vertical Power Exhaust requires a vertical economizer. ^{1 2}
CRPWREXH023A01	Power Exhaust System	072-120 460-3-60 Vertical Power Exhaust requires a vertical economizer. ¹
CRPWREXH081A00	Power Exhaust System	150 460-3-60 Vertical Power Exhaust requires a vertical economizer ¹
CRPWREXH080A00	Power Exhaust System	150 208/230-3-60 Vertical Power Exhaust requires a vertical economizer ¹

NOTES:

- ¹ Vertical Power Exhaust requires a vertical economizer.
- ² Single or three phase
- ³ For 575 Volt, order 208/230-3-60 volt power exhaust and below listed 575 volt transformer.

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRPWREXH028A01	Horizontal Power Exhaust (208/230-3-60) - Mounted on Return Ductwork	036-120
CRPWREXH029A01	Horizontal Power Exhaust - (460-3-60) - Mounted on Return Ductwork	036-120
CRPWREXH082A00	Horizontal Power Exhaust (208/230-3-60) - Mounted on Return Ductwork	150
CRPWREXH083A00	Horizontal Power Exhaust (460-3-60) - Mounted on Return Ductwork	150

575V TRANSFORMERS

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
-HT-01AH-859	Transformer for conversion from 575 volt to 208/230 volt power exhaust applications.	Convert from 575 volt to 208/230 volt Power Exhaust applications.

NOTES:

- 1. Vertical power exhaust package includes exhaust hood, screens and propeller fan system.
- 2. 24" Roof curbs are NOT required with vertical power exhaust.
- 3. Horizontal power exhaust should be duct-mounted in the return ductwork and is supplied with a single fan and wiring harness.
- 4. Both vertical and horizontal power exhaust packages can be used with either EconoMi\$er IV, EconoMi\$er X. In either case, the power exhaust is controlled by the EconoMi\$er IV controller.
- 5. Order -HT-01AH-859 for 575V applications.

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

OUTDOOR AIR DAMPER ACCESSORIES

MANUAL OUTDOOR AIR DAMPERS

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE ¹
CRMANDPR001A03	25% Open Manual Outdoor Air Damper Package	036-060
CRMANDPR002A03	25% Open Manual Outdoor Air Damper Package	072-120
CRMANDPR001A02	50% Open Manual Outdoor Air Damper Package	036-060
CRMANDPR002A02	50% Open Manual Outdoor Air Damper Package	072-120
CRMANDPR011A00	50% Open Manual Outdoor Air Damper Package	150

NOTE:

¹ Manual Dampers cannot be installed with an EconoMi\$er IV, EconoMi\$er X or Motorized 2-position Damper.

MOTORIZED OUTDOOR AIR DAMPERS ¹

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRTWOPOS010A00	Motorized 2-position outdoor air damper (25-100% Outdoor Air)	036-060
CRTWOPOS011A00	Motorized 2-position outdoor air damper (25-100% Outdoor Air)	072-120
CRTWOPOS014A00	Motorized 2-position outdoor air damper (25-100% Outdoor Air)	150

NOTES:

- ¹ Motorized Dampers cannot be installed with an EconoMi\$er IV, EconoMi\$er X, or Manual Damper.
- ² Manual dampers include hood assembly, bird screen, adjustable damper blade (to allow up to the rated outdoor air %), and bottom panel with opening.
- ³ Motorized dampers include bottom panel with opening (100% two-position damper includes 30% barometric relief capability), and adjustable damper (to allow up to the rated outdoor air %).
- ⁴ Motorized dampers will close on loss of power to the rooftop unit.
- ⁵ Manual and Motorized 2-position dampers are not compatible with a power exhaust module.

SPECIAL – 150 SIZE SPECIFIC ACCESSORIES

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRDISBKT001A00	Disconnect Switch Bracket - Provides a pre-engineered and sized mounting bracket for applications requiring a unit mounted fused and non-fused disconnect of greater than 100 amps. Bracket assures that no damage will occur to coils when mounting with screws and other fasteners.	150
CRDUCTCV002A00	Supply Duct Cover - This supply duct cover is required when field converting the factory standard vertical duct supply to horizontal duct supply configuration. One required per unit.	150

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

STANDARD ROOF CURBS

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRRFCURB001A01	14-inch (356 mm) Tall Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	036-060
CRRFCURB003A01	14-inch (356 mm) Tall Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	072-120
CRRFCURB074A00	14-inch Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	150
CRRFCURB002A01	24-inch (607 mm) Tall Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	036-060
CRRFCURB004A01	24-inch (607 mm) Tall Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	072-120
CRRFCURB075A00	24-inch (607 mm) Tall Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	150

THRU-THE-BOTTOM CONNECTION KITS ¹

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRBTMPWR001A01	Thru-the-bottom electrical connections and thru-the-curb (not thru the bottom) gas connections. Includes a 3/4-inch (19 mm) diameter liquid tight conduit fitting for high voltage power wires and (2) 1/2-inch (13 mm) diameter liquid tight conduit fittings for thermostat wires and convenience outlet wires. Includes a 3/4-inch (19 mm) inside pipe coupling and gas plate assembly for thru-the-curb connections. Provides for watertight seal.	036-060
CRBTMPWR003A01	Thru-the bottom power, control and gas connections. Includes a 3/4-inch diameter liquid tight conduit fitting for high voltage power wires, (2) 1/2-inch diameter liquid tight conduits for thermostat wires and convenience outlet wires and 1/2-inch gas adapter fitting for gas piping. Provides for watertight seal.	036-060
CRBTMPWR002A01	Thru-the-bottom electrical connections and thru-the-curb (not thru the bottom) gas connections. Includes a 1-1/4-inch (32 mm) diameter liquid tight conduit fitting for high voltage power wires and (2) 1/2-inch (13 mm) diameter liquid tight conduit fittings for thermostat wires and convenience outlet wires. Includes a 3/4-inch (19 mm) inside pipe coupling and gas plate assembly for thru-the-curb connections. Provides for watertight seal.	072-120
CRBTMPWR004A01	Thru-the bottom power, control and gas connections. Includes a 1-1/4-inch diameter liquid tight conduit fitting for high voltage power wires, (2) 1/2-inch diameter liquid tight conduits for thermostat wires and convenience outlet wires and 3/4-inch gas adapter fitting for gas piping. Provides for watertight seal.	072-120
CRBTMPWR005A00	Thru-the bottom power, control and gas connections. Includes a 1-1/4-inch diameter liquid tight conduit fitting for high voltage power wires, (2) 1/2-inch diameter liquid tight conduits for thermostat wires and convenience outlet wires and 3/4-inch gas adapter fitting for gas piping, 4 cover plates, and gaskets for watertight seal.	150
CRBTMPWR006A00	Thru-the bottom power, control and gas connections. Includes a 1-1/2-inch diameter liquid tight conduit fitting for high voltage power wires, (2) 1/2-inch diameter liquid tight conduits for thermostat wires and convenience outlet wires and 3/4-inch gas adapter fitting for gas piping, 4 cover plates, and gaskets for watertight seal.	150
CRBTMPWR007A00	Thru-the bottom power, control and gas connections. Includes a 2-inch diameter liquid tight conduit fitting for high voltage power wires, (2) 1/2-inch diameter liquid tight conduits for thermostat wires and convenience outlet wires and 3/4-inch gas adapter fitting for gas piping, 4 cover plates, and gaskets for watertight seal.	150

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LOUVERED HAIL GUARDS – CONDENSER COIL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRLVHLGD012A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	036
CRLVHLGD013A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	048-060
CRLVHLGD014A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	072, 073
CRLVHLGD016A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	090-120
CRLVHLGD032A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	150

CONTROLS ACCESSORIES

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRDISKIT001A00	2-Speed VFD display kit - Provides the field capability to set up points and troubleshooting codes on the VFD controller. Kit includes display and cable. If preferred, kit can be used for any associated unit with VFD.	All 2 Speed VFD Controllers
CRPHASE3001A02	Phase Monitor Control - Provides phase loss/phase reversal protection	208/230-3-60 460-3-60
CRPHASE3002A00	Phase Monitor Control - Provides phase loss/phase reversal protection	575-3-60
CRTIMEGD001A00	Time Guard II -- Automatically prevents the compressor from restarting for at least 4 minutes and 45 seconds after shutdown of the compressor. Not required when a corporate programmable thermostat is applied (One required per unit)	Std. Controls
CRSDTEST001A00	Smoke detector remote test/Reset/Alarm indicator kit	All
CRSDHNSB001A00	"Horn/Strobe Annunciator with clear colored lens, 24V AC/DC" Works with listed factory or field installed smoke detectors. Note: a field-supplied 24V transformer is also required for each application. P201-4701 is recommended and can be purchased through RCD.	All
CRSTATUS001A00	Fan/Filter Status Switch - Indicator light not included	All
CRCONVOUT01A00	20 Amp non (unit) powered convenience outlet kit is to provide a flexible installation method that will allow code compliance for height requirements of the GFCI outlet from finished roof surface on the range of rooftop and split system products as well as the capability to relocate the outlet into a more convenient location if necessary.	
P201-4701	Transformer 75VA120/240/460-24	
CRCNDOVR003A00	Condensate Overflow Switch - Includes electronic controller and sensor. Compressor(s) turn off if the drain trap becomes plugged. It can be used in down flow or side discharge units.	All

WINTER START KIT

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRWINSTR001A00	Winter Start Package - Contains time delay relay for timed bypass of low pressure switch on startup. (One required per refrigerant circuit) ¹	All

NOTE:

¹ This control allows mechanical cooling operation down to 25 degrees F (-4 degrees C). If mechanical cooling below 25 degrees F (-4 degrees C) is necessary, consider low ambient control measures such as MotorMaster or economizer.

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

LOW AMBIENT CONTROLS

Motormaster I Usage and Parts Table (036 - 090 Models)

UNITS	VOLTAGE	MOTOR	CAPACITOR	MOTORMASTER I CONTROLLER
RAH 036	208/230-1-60	HC38GE231 (1178185)*	Keep Factory Installed	32LT900301
	208/230-3-60 575-3-60 ¹	HC38GE231 (1178185)*	Keep Factory Installed	32LT900301
	460-3-60	HC36GE461 (1178186)*	Keep Factory Installed	32LT900611
RAH 048, 060	208/230-1-60	HC40GE233 (1171974)*	Keep Factory Installed	32LT900301
	208/230-3-60 575-3-60 ¹	HC40GE233 (1171974)*	Replace with HC91CL010 (1171807)*	32LT900301
	460-3-60	HC40GE463 (1171975)*	Replace with HC91CL010 (1171807)*	32LT900611
RAH 072, 073	208/230-3-60	(2) HC40GE233 (1171974)*	Keep Factory Installed	32LT900301
	460-3-60	(2) HC40GE463 (1171975)*	Replace with HC93CA013 (1175708)*	32LT900611
	575-3-60 ¹	(2) HC40GE233 (1171974)*	Replace with HC93CA013 (1175708)*	32LT900301
RAH 090	208/230-3-60 575-3-60 ²	(2) HC40GE233 (1171974)*	Replace with HC93CA013 (1175708)*	32LT900301
	460-3-60	(2) HC40GE463 (1171975)*	Replace with HC93CA013 (1175708)*	32LT900611

The Capacitor Straps in the unit can be reused. If needed part numbers are as follows HC91CL010 and HC93CA013 where mentioned above.

* Available from FAST Parts.

NOTES:

¹ Transformer HT01AH856 (0.75kva, 575v to 230v) and transformer bracket 50DK502263 is required.

² Transformer HT01AH859 (1kva, 575v to 230v) and transformer bracket 50DK5022639 is required.

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LOW AMBIENT CONTROLS (036-102)

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
32LT-900---301	Motormaster I Single-Phase Solid-State Variable Speed Motor Controller enables cooling down to -20°F by varying the speed on the condenser fan.	Refer to Motormaster I Usage Table
32LT-900---611	Motormaster I Single-Phase Solid-State Variable Speed Motor Controller enables cooling down to -20°F (-29°C) by varying the speed on the condenser fan.	Refer to Motormaster I Usage Table
HC40GE233 (1171974)*	Motormaster I Compatible Condenser Fan Motor	Refer to Motormaster I Usage Table
HC40GE463 (1171975)*	Motormaster I Compatible Condenser Fan Motor	Refer to Motormaster I Usage Table
HC36GE461 (1178186)*	Motormaster I Compatible Ball Bearing Fan Motor	Refer to Motormaster I Usage Table
HC38GE231 (1178185)*	Motormaster I Compatible Ball Bearing Fan Motor	Refer to Motormaster I Usage Table
HC91CL010 (1171807)*	MFD 10	Refer to Motormaster I Usage Table
HC93CA013 (1175708)*	Dual MFD 10 + 10	Refer to Motormaster I Usage Table

* Available from FAST Parts.

GENERAL:

- 036-073 Units require one (1) low ambient controller and one (1) compatible condenser fan motor for change out.
- 090 Units require one (1) low ambient controller and two (2) compatible condenser fan motors for change out.

LOW AMBIENT CONTROLS (SIZE 120 ONLY) ²

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRLOWAMB030A00	MotorMaster V Low Ambient Kit. Mechanical cooling operation down to -20°F (- 29°C)	120 Size Only 208/230-3-60 One required per unit
CRLOWAMB031A00	MotorMaster V Low Ambient Kit. Mechanical cooling operation down to -20°F (- 29°C)	120 Size Only 460-3-60 One required per unit
CRLOWAMB032A00	MotorMaster V Low Ambient Kit. Mechanical cooling operation down to -20°F (- 29°C).	120 Size Only 575-3-60 One required per unit

NOTES:

¹ Units equipped with Hot Gas Re-Heat Dehumidification System include MotorMaster controls. For a Hot Gas Re-Heat unit to achieve low ambient operation down to -20°F one accessory CRWINSTR001A00 per circuit is required.

² Also requires two CRWINSTR001A00 Start Packages (One per refrigerant circuit) No motor change is required on these specific models.

³ Size 110 has standard cooling operation down to 0°F. No accessory kit is available.

ACCESSORY USAGE GUIDE FOR RAH 3 to 12.5 TONS

LOW AMBIENT CONTROLS (SIZE 150 ONLY)

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE
CRLOWAMB039A00	MotorMaster I Low Ambient Kit. Mechanical cooling operation down to -20°F (- 29°C). Kit includes 3 motors, MotorMaster controller, wiring label, and required wire ties and connectors, CRWINSTR001A00 also required (one per refrigerant circuit)	150 208/230-3-60
CRLOWAMB040A00	MotorMaster I Low Ambient Kit. Mechanical cooling operation down to -20°F (- 29°C). Kit includes 3 motors, MotorMaster controller, wiring label, and required wire ties and connectors) 575 Volt models also require CRTRXKIT002A00 plus CRWINSTR001A00 also required (one per refrigerant circuit)	150 460-3-60 575-3-60
CRTRXKIT002A00	MotorMaster I Low Ambient Control - Transformer Kit must use in conjunction with CRLOWAMB040A00 if used on 575-3-60 models. Contains transformer, special mounting bracket designed specifically for this unit, capacitors, and wires.	150 575-3-60