

# Heat Pump *INVERTER* 3 and 5 tons



Package Unit  
**18 SEER**

→ Twin rotary DC inverter compressor.

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→ DC fan motors.

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→ R410A refrigerant.

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→ Easy Access service panels.

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→ Conventional 24V controls.

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→ On board diagnostics with LED display board

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→ Compact design.

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→ Electronic Expansion Valve, (EXV).

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→ Refrigerant cooled compressor inverter board.

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→ Cooling temperature range from 17C to 48C.

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→ Heating temperature as low as -15C.

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→ High and Low pressure protection.

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Nominal ton	(Tons)	3	5
Model		CP418A-X036EH3G1H	CP418A-X060EH3G1H
Model Type		Package, Heat pump, Inverter compressor	
Power		208-230V/1 ph / 60 Hz	
	Min. - Max.	187 min. - 253 max.	
Cooling Capacity	Cool (Btu/h)	35000	54000
	Cool (W)	10.26	15.83
	Input (W)	3180	5200
Cooling Performance	Cool EER (Btu/W)	11.0	10.4
	Cool EER (W/W)	3.23	3.04
	Cool SEER	18.0	18.0
Heating Capacity	Heat (Btu/h)	36000	55000
	Heat (W)	10.55	16.12
	Input (W)	3130	5150
Heating Performance	COP(Btu/h W)	11.50	10.68
	COP(Btu/h W)	3.37	3.13
Refrigerant type		R410A	
Flow control		EXV	
Compressor	Model	ATM240D57UFT	MNB42FCKMC-L
	Brand	GMCC	Mitsubishi
	Type	Twin-rotary DC Inverter	
	Capacity (W)	7190	13780
	Input (W)	1935	4040
	Refrigerant oil (ml)	670	1400
Outdoor coil	Rows / Fins per inch	2 / 17	
	Fin Type / Color	Hydrophilic / Blue	
	Tube diameter (mm)	φ7	
Indoor coil	Rows / Fins per inch	4 / 17	
	Fin Type / Color	Hydrophilic / Gold	
	Tube diameter (mm)	φ7	
Outdoor fan	Quantity / diameter (mm)	1/560	1/600
	Fan Type	Axial	
	Motor type	DC motor	
	Power(kW)	1/0.11	1/0.23
	Motor RPM	850	1100
	Total nominal CFM	2400	4000
Indoor fan	Quantity / diameter (in.)	1/10*10	
	Fan Type	Centrifugal	
	Motor type	DC motor	
	Power (kW)	1/0.2	1/0.33
	Total nominal CFM	1180	1560
Indoor Static Pressure (Pa)	standard (without filter)	57	70
Noise level	dB(A)	61	66
Cooling Operation Range	°F	63-118	
Heating Operation Range	°F	5-89	
Unit Dimensions	Length (mm) / (inches)	1321 mm / 52 in.	1486mm / 58.5 in.
	Width (mm) / (inches)	958 mm / 37.7 in.	1068 mm / 42 in.
	Height (mm) / (inches)	630 mm / 24.8 in.	840 mm / 33 in.
Packaging dimensions	Length (mm) / (inches)	1330 mm / 52.4 in.	1490 mm / 58.7 in.
	Width (mm) / (inches)	960 mm / 37.8 in.	1070 mm / 42.1 in.
	Height (mm) / (inches)	660 mm / 26 in.	865 mm / 34 in.
Weights	Net (Kg / lbs.)	140 Kg / 308.65 lbs	200 Kg / 441 lbs.
	Gross (Kg / lbs.)	144 Kg / 317.5 lbs.	204 Kg / 450 lbs.
QTY per container		84	48