

INVERTER HEAT PUMP



SIZES FROM 18,000BTU - 24,000BTU - 36,000BTU - 48,000BTU



Designed to work with up to 2 stages of auxillary electric heat or up to 2 stages of gas back up heat.



No indoor coil metering devices.



Can be installed with Gas Furnaces, Electric Furnaces, and Air Handlers equipped with 24 Volt Controls.



Compatible with standard "A" coils



Works with any manufacturer's 24 Volt Heating & Cooling Thermostat.

SPECIAL FEATURES

- Ozone Friendly R410A Refrigerant
- Heating down to -15°C, -25°C and -30°C depending on model selection
- Available models of 12k, 18k, 24k, 36k and 48k BTU
- 24 Volt Interface Module required
- Extremely quiet with sound levels as low as 57dBA
- Warranty - 6 years compressor / 2 years all parts

			MOB30-12HFN1-MTOW (24V)	MOCA31-18HFN1-MTOW (24V)	MOD31-24HFN1-MTOW (24V)	MOD30U-36HFN1-M (24V)	MOE30U-48HFN1-M (24V)
Power supply	V, Hz, Ph		208-230V,60Hz,1Ph	208-230V,60Hz,1Ph	208-230V,60Hz,1Ph	208-230V,60Hz,1Ph	208-230,1,60Hz,1Ph
Max. fuse	A		15.0	20.0	25.0	50.0	50
Minimum circuit ampacity	A		12.0	15.0	18.0	30.0	35
Compressor	Model		ASM98D32UFZ	ASM135D23UFZ	ATF235D22UMT	ATF310D43UMT	ATQ420D1UMU
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC
Outdoor fan motor	Model		ZKFN-40-8-1L	ZKFN-50-8-2	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-85-8-22
Outdoor air flow (Max.)	m3/h		1900	2500	4000	4300	7600
Outdoor air flow (Max.)	CFM		1120	1470	2354	2530	4470
Outdoor noise level		dB(A)	58	60	61	66	62.5
Throttle type			Capillary +EXV	Capillary +EXV	Capillary +EXV	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension W x D x H	Mm	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333
		Inch	31.5x13.11x21.81	33.27x14.29x27.64	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
	Packing W x D x H	Mm	920x390x615	965x395x755	1090x500x875	1090x500x875	1095x495x1480
		Inch	36.22x15.35x24.21	37.99x15.55x29.72	42.91x19.69x34.45	42.91x19.69x34.45	43.11x19.49x58.27
	Net/ Gross Weight	Kg	34.8/37.5	43.2/46.5	62/67.4	67.4n3	98.6/111.6
		lbs.	76.72/82.67	95.24/102.51	136.69/148.59	148.59/160.94	217.4/246.0
Refrigerant type	Type/ Charged Volume	Oz	R410A/40.6	R410A/68.8	R410A/82.9	R410A/108	R410A/148.2
Refrigerant Percentage		Ft	25	25	25	25	25
Additional charge for each FT		Oz	0.16	0.16	0.32	0.32	0.32
Design pressure		PSIG	550/340	550/340	550/340	550/340	550/340
Refrigerant Piping	Liquid side/Gas side	mm(inch)	6.35 - 12.7 1/4"- 1/2"	6.35 - 12.7 1/4"- 1/2"	9.52 - 15.9 3/8" - 5/8"	9.52 - 15.9 3/8" - 5/8"	9.52 - 15.9 3/8" - 5/8"
		Max. pipelength	M	25	30	50	65
	Max. diff in level	Ft	82	98	164	213	213
		M	10	20	25	30	30
		Ft	33	66	82	98	98
		M	10	20	25	30	30
Ambient Temperature	Cooling	°C	-25-50	-25-50	-25-50	-15-50	-15-50
		"F	-13-122	-13-122	-13-122	5-122	5-122
	Heating	°C	-25-30	-25-30	-25-30	-15-30	-15-30
		"F	-13-86	-13-86	-13-86	-5- 86	-5- 86

Defrost pan heater included - All testing and values as per use of manufacturers coils.