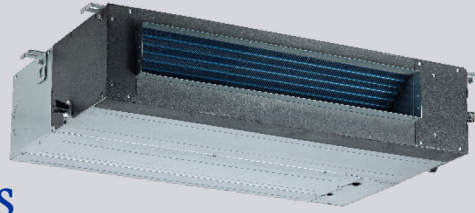




# Duct Inverter System

## Sistema de Ducto Inverter



### Models / Modelos

### MFCHIT\_S / MRIT\_AS

### Technical Specifications / Especificaciones Técnicas

Indoor Model			MFCHIT12S	MFCHIT18S	MFCHIT24S
Outdoor Model			MRIT12AS	MRIT18AS	MRIT24AS
Power supply		V-ph-Hz	208-230~1-60	208-230~1-60	208-230~1-60
Cooling	Capacity	Btu/h	11500	16500	24000
	EER	Btu/W	12.5	12.5	12.5
	<b>SEER</b>		<b>19</b>	<b>19.6</b>	<b>20.5</b>
Heating	Capacity	Btu/h	12000	18000	24000
	HSPF4		10.2	10.5	11.5
Max. fuse		A	15.0	25.0	30.0
Minimum circuit ampacity		A	9.0	18.0	20.0
Compressor	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	11430	24345	24345
	Rated current (RLA)	A	5.65	12.90	14.00
	Refrigerant oil	ml	ESTER OIL VG74 / 500	POE(VG74)/670	POE(VG74)/670
Outdoor fan motor	Model		ZKFN-40-8-1L	ZKFN-50-8-2	ZKFN-120-8-2
	RLA	A	0.38	0.42	0.5
	Speed	r/min	810	850	810
Outdoor air flow (Max.)		m <sup>3</sup> /h	2000	2300	4000
Outdoor noise level		dB(A)	57	59	61
Throttle type			Capillary +EXV	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension (WxDxH)	mm	800 x 333 x 554	845 x 363 x 702	946 x 410 x 810
	Packing (WxDxH)	mm	920 x 390 x 615	965 x 395 x 755	1090 x 500 x 875
	Net/ Gross weight	kg	40 / 42.5	48.7 / 52.2	61.5 / 67.5
Refrigerant Type / Quantity		Oz	R410A / 52.9	R410A / 68.8	R410A / 91.7
Refrigerant precharge		ft	25	25	25
Additional charge for each ft		oz	0.16	0.16	0.32
Indoor fan motor	Model		ZKFN-55-8-1	ZKFN-90-8-1	ZKFN-90-8-1
	RLA	A	1	1.5	2
	Speed	r/min	1100 / 960 / 830	1090 / 950 / 860	1020 / 840 / 750
Indoor air flow (Hi/Med/Lo)		m <sup>3</sup> /h	629 / 544 / 442	884 / 731 / 612	1394 / 1054 / 884
ESP	Range	Pa	0-45	0-70	0-100
Indoor noise level (Hi/Med/Lo)		dB(A)	40 / 38 / 33	36 / 34 / 30	50 / 46 / 45
Indoor unit	Dimension (WxDxH)	mm	700 x 635 x 210	920 x 635 x 210	920 x 635 x 270
	Packing (WxDxH)	mm	915 x 655 x 290	1135 x 655 x 290	1150 x 655 x 290
	Net/Gross weight	kg	19.1 / 23.4	23 / 27.5	26 / 31
Design pressure		PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ12.7 (1/4"/1/2")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ15.9 (3/8"/5/8")
Controller			Wired control	Wired control	Wired control
Room temperature	Cooling	°C	17~32	17~32	17~32
	Heating	°C	0~30	0~30	0~30
Operation temperature		°C	17~30	17~30	17~30