

SPECIFICATIONS

WALL MOUNTED MODELS - R407

MODEL		INDOOR UNIT	MWM010FR	MWM015FR	MWM020FR	MWM025FR	
		OUTDOOR UNIT	M4LC010BR	M4LC015BR	M4LC020BR	M4LC025BR	
NOMINAL COOLING CAPACITY		kcal/h	2 268	2 772	4 410	5 170	
		W	2 637	3 223	5 129	6 008	
		Btu/h	9 000	11 000	17 500	20 500	
NOMINAL HEATING CAPACITY		kcal/h	2 394	3 150	4 790	6 050	
		W	2 784	3 663	5 569	7 034	
		Btu/h	9 500	12 500	19 000	24 000	
INPUT POWER	COOLING	W	986	1 438	2 188	2 571	
	HEATING	W	836	1 288	2 282	2 549	
RUNNING CURRENT	COOLING	A	4,38	6,59	10,28	12,60	
	HEATING	A	3,68	6,09	10,88	12,50	
POWER SOURCE		V/Ph/Hz	240 / 1 / 50				
REFRIGERANT / CONTROL			R407C / CAPILLARY TUBE				
FAN	AIR FLOW	cfm/cmm	270 / 7.65	300 / 8.50	450 / 12.75	580 / 16.43	
	FAN MOTOR		4 POLES x 10 W	4 POLES x 12 W	4 POLES x 20 W	4 POLES x 25 W	
	RATED INPUT POWER	W	24	26	53	58	
	RATED RUNNING CURRENT	A	0,10	0,11	0,22	0,24	
	FAN MOTOR PROTECTION		THERMAL OVERLOAD RELAY				
COIL	TUBE		SEAMLESS COPPER (INNER GROOVED)				
	DIAMETER	mm/in	7.0 / 0.276				
	THICKNESS	mm/in	0.32 / 0.013				
	FIN		ALUMINIUM (HYDROPHILIC SLIT FIN)				
	THICKNESS	mm/in	0.11 / 0.0043				
	ROW		2		2		
	FIN PER INCH		18		18		
FACE AREA	m ² /ft ²	0.198 / 2.131		0.254 / 2.733			
DIMENSION	HEIGHT	mm/in	290 / 11.4		306 / 12.0		
	WIDTH	mm/in	815 / 32.1		1062 / 41.8		
	DEPTH	mm/in	179 / 7.0		202 / 8.0		
WEIGHT	kg	9,5		16			
SOUND PRESSURE LEVEL (H / M / L)		dBa	38 / 34 / 30	38 / 35 / 31	45 / 42 / 39	47 / 44 / 42	
CONTROL	ROOM TEMPERATURE		THERMOSTAT ELECTRONIC CONTROL				
	AIR DISCHARGE OPERATION		LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)				
			LCD WIRELESS MICRO COMPUTER REMOTE CONTROL				
CONDENSATE DRAIN SIZE		mm/in	16 / 0.63		20 / 0.79		
AIR FILTER			ANTI FUNGUS POLYPROPYLENE FILTER				
OPTIONAL FILTER			DUAL ACTION ELECTROSTATIC AIR PURIFYING AND DEODORIZING FILTER				
PACKING DIMENSION	HEIGHT	mm/in	371 / 14.6		382 / 15.0		
	WIDTH	mm/in	875 / 34.4		1130 / 44.5		
	DEPTH	mm/in	269 / 10.6		268 / 10.6		
POWER SOURCE		V/Ph/Hz	240 / 1 / 50 / < 415 / 3 / 50 >				
COMP.	COMPRESSOR TYPE		ROTARY HERMETIC				
	CAPACITOR	µF	30	30	30 / < NIL >	30 / < NIL >	
	RATED RUNNING CURRENT (COOLING)	A	4,00	6,20	9,50 / < 3.6 >	12,60 / < 4.8 >	
	RATED RUNNING CURRENT (HEATING)	A	3,30	5,70	10,10 / < 3.6 >	12,50 / < 4.9 >	
	RATED INPUT POWER (COOLING)	W	900	1 350	2,002 / < 1,893 >	2,571 / < 2,508 >	
	RATED INPUT POWER (HEATING)	W	750	1 200	2,096 / < 1,903 >	2,549 / < 2,590 >	
	PROTECTION DEVICE			OVERLOAD PROTECTION			
	FAN TYPE / DRIVE			PROPELLER / DIRECT			
	BLADE MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN			
	FAN	DIAMETER	mm/in	355 / 14		406 / 16	
RATED RUNNING CURRENT		A	0,28		0,56		
RATED OUTPUT POWER		W	25		55		
RATED INPUT POWER		W	62		133		
TUBE			INNER GROOVED		PLAIN		
COIL	DIAMETER	mm/in	9.52 / 3/8				
	THICKNESS	mm/in	0.36 / 0.014				
	FIN		ALUMINIUM (SLIT FIN TYPE)				
	THICKNESS	mm/in	0.127 / 0.005				
	ROW		1		2		
	FIN PER INCH		19		14		
	FACE AREA	m ² /ft ²	0.32 / 3.50		0.51 / 5.53		
DIMENSION	HEIGHT	mm/in	494 / 19.4		646 / 25.4		
	WIDTH	mm/in	740 / 29.1		840 / 33.1		
	DEPTH	mm/in	270 / 10.6		330 / 13.0		
WEIGHT	kg	31	34	57	58		
CASING	MATERIAL		GALVANIZED MILD STEEL				
	THICKNESS		0.8 / 0.031				
	FINISHING		EPOXY POLYESTER POWDER				
PIPE	TYPE		FLARE VALVE / AEROQUIP				
	SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	9.52 / 3/8
		GAS	mm/in	9.52 / 3/8	12.70 / 1/2	15.88 / 5/8	15.88 / 5/8
PACKING DIMENSION	HEIGHT	mm/in	558 / 22.0		710 / 28.0		
	WIDTH	mm/in	851 / 33.5		957 / 37.7		
	DEPTH	mm/in	401 / 15.8		461 / 18.1		
REFRIGERANT CHARGE		kg	0,85	0,85	1,70	1,65	

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-89

3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

Abbreviation

S.B.C. - SEAMLESS BARE COPPER

S.I.G.C- SEAMLESS INNER GROOVE COPPER

SPECIFICATIONS

WALL MOUNTED MODELS - R407

MODEL	INDOOR UNIT	MWM010F	MWM015F	MWM020F	MWM025F	
	OUTDOOR UNIT	M4LC010B	M4LC015B	M4LC020B	M4LC025B	
NOMINAL COOLING CAPACITY	kcal/h	2 268	2 772	4 612	5 292	
	W	2 637	3 223	5 363	6 155	
	Btu/h	9 000	11 000	18 300	21 000	
INPUT POWER	W	986	1 438	2 298	2 850	
RUNNING CURRENT	A	4,38	6,59	10,70	13,30	
POWER SOURCE	V/Ph/Hz	240 / 1 / 50				
REFRIGERANT / CONTROL		R407C / CAPILLARY TUBE				
FAN	AIR FLOW	cfm/cmm	270 / 7.65	300 / 8.50	450 / 12.75	580 / 16.43
	FAN MOTOR		4 POLES x 10 W	4 POLES x 12 W	4 POLES x 20 W	4 POLES x 25 W
	RATED INPUT POWER	W	24	26	53	58
	RATED RUNNING CURRENT	A	0,10	0,11	0,22	0,24
FAN MOTOR PROTECTION		THERMAL OVERLOAD RELAY				
COIL	TUBE MATERIAL		SEAMLESS COPPER (INNER GROOVED)			
	TUBE DIAMETER	mm/in	7.0 / 0.276			
	TUBE THICKNESS	mm/in	0.32 / 0.013			
	FIN MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)			
	FIN THICKNESS	mm/in	0.11 / 0.0043			
	FIN ROW		2			
FIN PER INCH		18				
FACE AREA	m ² /ft ²	0.198 / 2.131		0.254 / 2.733		
DIMENSION	HEIGHT	mm/in	290 / 11.4		306 / 12.0	
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WEIGHT	kg	9.5		16		
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CONTROL	ROOM TEMPERATURE		THERMOSTAT ELECTRONIC CONTROL			
	AIR DISCHARGE OPERATION		LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)			
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CONDENSATE DRAIN SIZE	mm/in	16 / 0.63		20 / 0.79		
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POWER SOURCE	V/Ph/Hz	240 / 1 / 50 / < 415 / 3 / 50 >				
COMP.	COMPRESSOR TYPE		ROTARY HERMETIC			
	CAPACITOR	µF	30	30	45 / < NIL >	50 / < NIL >
	RATED RUNNING CURRENT	A	4,00	6,20	9,91 / < 3.6 >	12,50 / < 4.8 >
	RATED INPUT POWER	W	900	1 350	2,112 / < 1,893 >	2,660 / < 2,508 >
PROTECTION DEVICE		OVERLOAD PROTECTION				
FAN	FAN TYPE / DRIVE		PROPELLER / DIRECT			
	BLADE MATERIAL		GLASS REINFORCED ACRYL STYRENE RESIN			
	DIAMETER	mm/in	355 / 14		406 / 16	
	RATED RUNNING CURRENT	A	0,28		0,56	
RATED OUTPUT POWER	W	25		55		
RATED INPUT POWER	W	62		133		
COIL	TUBE MATERIAL		INNER GROOVED		PLAIN	INNER GROOVED
	TUBE DIAMETER	mm/in	9.52 / 3/8			
	TUBE THICKNESS	mm/in	0.35 / 0.014			
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PIPE	TYPE		FLARE VALVE / AEROQUIP			
	SIZE					
	LIQUID	mm/in	6.35 / 1/4		6.35 / 1/4	9.52 / 3/8
GAS	mm/in	9.52 / 3/8		12.70 / 1/2	15.88 / 5/8	
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	WIDTH	mm/in	851 / 33.5		957 / 37.7	
	DEPTH	mm/in	401 / 15.8		461 / 18.1	
REFRIGERANT CHARGE	kg	0,78	0,93	1,65	1,65	

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