

# SPECIFICATIONS

## CEILING CASSETTE - MCK 020 - 030 B/BR

HEAT PUMP MODELS	INDOOR	MCK 020BR	MCK 025BR	MCK 030BR
	OUTDOOR	M4LC 020BR	M4LC 025BR	M4LC 030CR
NOMINAL HEATING CAPACITY	kW	5,77	5,57	7,80
	Btu/h	19690	19000	26600
NOMINAL COOLING CAPACITY	kW	5,01	5,85	7,52
	Btu/h	17100	19950	25650
RATED TOTAL POWER CONSUMPTION (HEATING)	kW	2,25	2,30	2,70
RATED TOTAL POWER CONSUMPTION (COOLING)	kW	2,20	2,70	2,80

COOLING ONLY MODELS	INDOOR	MCK 020B	MCK 025B	MCK 030B
	OUTDOOR	M4LC 020B	M4LC 025B	M4LC 030C
NOMINAL COOLING CAPACITY	kW	5,28	6,45	7,91
	Btu/h	17100	19950	25650
RATED TOTAL POWER CONSUMPTION	kW	2,20	2,70	2,80
REFRIGERANT / CONTROL	COOLING	R407C / OUTDOOR CAP. TUBE		R407C / INDOOR CAP. TUBE
	HEAT PUMP	R407C / OUTDOOR CAP. TUBE		R407C / OUTDOOR TXV
FIN MATERIAL	ALUMINIUM			
TUBE MATERIAL	SEAMLESS COPPER			
PIPE CONNECTION	FLARE JOINT			
PIPE SIZE	LIQUID	mm (in)	6.35 / 1/4	9.52 / 3/8
	GAS	mm (in)	15.88 / 5/8	15.88 / 5/8

## INDOOR

POWER SOURCE	V/Ph/Hz	230 / 1 / 50		
NOMINAL AIR FLOW	cfm / m <sup>3</sup> /s	444 / 0.21	503 / 0.24	560 / 0.26
FACE AREA	m <sup>2</sup> /ft <sup>2</sup>	0.38 / 4.1		
DIMENSION ( ) - WITH PANEL	HEIGHT	mm/in 293 (345) / 11.5 (13.6)		
	WIDTH	mm/in 650 (727) / 25.6 (28.6)		
	DEPTH	mm/in 650 (727) / 25.6 (28.6)		
SOUND PRESSURE LEVEL - < > HEAT PUMP	dBA	53 < 50 >	56	56 < 59 >
WEIGHT (UNIT + PANEL)	kg	30 + 3	31 + 3	32 + 3
CONTROL	ROOM TEMPERATURE	MICROCOMPUTER CONTROLLED THERMOSTAT		
	OPERATION	LCD WIRELESS / LED WIRE MICROCOMPUTER REMOTE CONTROL		
CONDENSATE DRAIN SIZE	mm/in	19.05 / 3/4		
AIR FILTER	WASHABLE SARAN NET (OPTIONAL IONIZER FILTER)			
PACKING DIMENSION ( ) - PANEL	HEIGHT	mm/in	360 (110) / 14.2 (4.3)	
	WIDTH	mm/in	725 (840) / 28.5 (33.1)	
	DEPTH	mm/in	725 (800) / 28.5 (33.1)	

## OUTDOOR

POWER SOURCE	V/Ph/Hz	230 / 1 / 50		
COMPRESSOR TYPE	ROTARY HERMETIC		SCROLL	
LOCK ROTOR AMP.	A	58	58	82
PROTECTION DEVICE	OVERLOAD PROTECTION		OLP & M. RESET H/L PRESS. SW	
FAN TYPE / DRIVE	PROPELLER / DIRECT			
BLADE MATERIAL	GLASS REINFORCED ACRYL STYRENE RESIN			
NOMINAL AIR FLOW	cfm / m <sup>3</sup> /s	1200 / 0.57	1200 / 0.57	3500 / 1.65
DIMENSION	HEIGHT	mm/in	646 / 25.4	
	WIDTH	mm/in	840 / 33.1	
	DEPTH	mm/in	330 / 13.0	
SOUND PRESSURE LEVEL - < > HEAT PUMP	dBA	66 < 67 >	67	70
WEIGHT	kg	57	58	95
CASING	MATERIAL	GALVANISED MILD STEEL		
	FINISHING	POLYESTER POWDER		
PACKING DIMENSION	HEIGHT	mm/in	710 / 28.0	
	WIDTH	mm/in	957 / 37.7	
	DEPTH	mm/in	461 / 18.2	
			560 / 22.1	

# SPECIFICATIONS

## CEILING CASSETTE - MCK 020 - 050 AR

HEAT PUMP MODELS	INDOOR	MCK 020AR	MCK 025AR	MCK 030AR	MCK 040AR	MCK 050AR
	OUTDOOR	M4LC 020BR	M4LC 025BR	M4LC 030CR	M4LC 040CR	M4LC 050CR
NOMINAL HEATING CAPACITY	kW	5,77	6,40	8,07	10,86	13,23
	Btu/h	19690	21850	27550	37050	45125
NOMINAL COOLING CAPACITY	kW	5,43	6,54	7,94	10,58	12,81
	Btu/h	18525	22325	27075	36100	43700
RATED TOTAL POWER CONSUMPTION (HEA	kW	2,19	2,40	2,75	3,20	4,20
RATED TOTAL POWER CONSUMPTION (COC	kW	2,10	2,80	2,90	3,80	5,10

COOLING ONLY MODELS	INDOOR	MCK 020A	MCK 025A	MCK 030A	MCK 040A	MCK 050A
	OUTDOOR	M4LC 020B	M4LC 025B	M4LC 030C	M4LC 040C	M4LC 050C
NOMINAL COOLING CAPACITY	kW	5,43	6,54	7,94	10,58	12,81
	Btu/h	18525	22325	27075	36100	43700
RATED TOTAL POWER CONSUMPTION	kW	2,10	2,80	2,90	3,80	5,10

REFRIGERANT / CONTROL		COOLING	R407C / CAPILLARY TUBE (OUTDOOR)		R407C / CAPILLARY TUBE (INDOOR)		
		HEAT PUMP	R407C / CAPILLARY TUBE (OUTDOOR)	R407C / TXV (OD)	R407C / CAP. TUBE + TXV (OUTDOOR)		
FIN MATERIAL		ALUMINIUM					
TUBE MATERIAL		SEAMLESS COPPER					
PIPE CONNECTION		FLARE JOINT					
PIPE SIZE	LIQUID	mm (in)	6.35 / 1/4	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8
	GAS	mm (in)	15.88 / 5/8	15.88 / 5/8	15.88 / 5/8	19.05 / 3/4	19.05 / 3/4

## INDOOR

POWER SOURCE		V/Ph/Hz	230 / 1 / 50				
NOMINAL AIR FLOW		cfm / m <sup>3</sup> /s	771 / 0.36	811 / 0.38	917 / 0.43	1024 / 0.48	1080 / 0.51
FACE AREA		m <sup>2</sup> /ft <sup>2</sup>	0.469 / 5.022	0.469 / 5.022	0.469 / 5.022	0.469 / 5.022	0.469 / 5.022
DIMENSION ( ) - WITH PANEL	HEIGHT	mm/in	335 (363) / 13.2 (14.3)				
	WIDTH	mm/in	820 (930) / 32.2 (36.6)				
	DEPTH	mm/in	820 (930) / 32.2 (36.6)				
SOUND PRESSURE LEVEL		dBA	52	55	60	61	64
WEIGHT (UNIT+ PANEL)		kg	21 + 4	32 + 4	35 + 4	38 + 4	40 + 4
CONTROL		ROOM TEMPERATURE OPERATION	MICROCOMPUTER CONTROLLED THERMOSTAT LCD WIRELESS / LED WIRE MICROCOMPUTER REMOTE CONTROL				
CONDENSATE DRAIN SIZE		mm/in	19.05 / 3/4				
AIR FILTER		WASHABLE SARAN NET (OPTIONAL IONIZER FILTER)					
PACKING DIMENSION ( ) - PANEL	HEIGHT	mm/in	380 (130) / 15.0 (5.1)				
	WIDTH	mm/in	920 (1,020) / 36.2 (40.2)				
	DEPTH	mm/in	920 (1,000) / 36.2 (39.4)				

## OUTDOOR

POWER SOURCE		V/Ph/Hz	230 / 1 / 50			400 / 3 / 50	
COMPRESSOR TYPE		ROTARY HERMETIC			SCROLL		
LOCK ROTOR AMP.		A	58	58	82	49	66
PROTECTION DEVICE		OVERLOAD PROTECTION			DLP AND MANUAL RESET HIGH/LOW PRESSURE SWITCH		
FAN TYPE / DRIVE		PROPELLER / DIRECT					
BLADE MATERIAL		GLASS REINFORCED ACRYL STYRENE RESIN					
NOMINAL AIR FLOW		cfm / m <sup>3</sup> /s	1200 / 0.57	1200 / 0.57	3500 / 1.65	3500 / 1.65	3500 / 1.65
DIMENSION	HEIGHT	mm/in	646 / 25.4	646 / 25.4	850 / 33.5	850 / 33.5	850 / 33.5
	WIDTH	mm/in	840 / 33.1	840 / 33.1	1029 / 40.5	1029 / 40.5	1029 / 40.5
	DEPTH	mm/in	330 / 13.0	330 / 13.0	400 / 15.8	400 / 15.8	400 / 15.8
SOUND PRESSURE LEVEL - < > HEAT PUM		dBA	66 < 67 >	67	70	74	74
WEIGHT		kg	57	58	95	100	105
CASING		MATERIAL	GALVANISED MILD STEEL				
		FINISHING	POLYESTER POWDER				
PACKING DIMENSION	HEIGHT	mm/in	710 / 28.0	710 / 28.0	1000 / 39.4	1000 / 39.4	1000 / 39.4
	WIDTH	mm/in	957 / 37.7	957 / 37.7	1200 / 47.2	1200 / 47.2	1200 / 47.2
	DEPTH	mm/in	461 / 18.2	461 / 18.2	560 / 22.1	560 / 22.1	560 / 22.1