

FICHA TECNICA UNIDAD CENTRAL MIDEA SOLO FRIO DE 7.5 A 25 TON 220 V

Nominal ton		(Ton)	7.5	10	15	20	25			
Model			MRCT-075CWN1-D(C)	MRCT-100CWN1-D(C)	MRCT-150CWN1-D(C)	MRCT-200CWN1-D(C)	MRCT-250CWN1-D(C)			
Power Supply		\	220V, 3Ph~, 60Hz	220V, 3Ph~, 60Hz	220V, 3Ph~, 60Hz	220V, 3Ph~, 60Hz	220V, 3Ph~, 60Hz			
Cooling 1	Cooling Capacity	Btu/h	89,000	120,000	180,000	240,000	300,000			
		W	26,000	35,200	52,800	70,300	87,900			
	Power Input	W	7,800	10,700	16,200	21,900	33,000			
Cooling 2	Cooling Capacity	Btu/h	69,600	100,200	146,000	200,500	251,700			
		W	20,400	29,370	42,790	58,760	73,770			
	Power Input	W	8,600	12,500	18,500	25,200	37,900			
Heating	Heating Capacity	Btu/h	\	\	\	\	\			
		W	\	\	\	\	\			
	Power Input	W	\	\	\	\	\			
Max. input consumption		W	11,300	17,500	25,000	36,000	45,000			
Max. current		A	42.4	57.4	88	\	\			
Max. current		A	42.4	57.4	88.3	124.6	150			
Performance	Indoor fan air flow	CFM	2,700	4,120	6,450	8,580	11,138			
	ESP	Pa	80	90	110	120	250			
	EER 1	Btu/h.W	11.4	11.2	11.1	11.0	10.8			
	EER 2	Btu/h.W	8.1	8.0	7.9	8.0	6.6			
	COP	Btu/h.W	\	\	\	\	\			
Indoor Coil	Number of rows	\	3	4	4+4	4	4			
	Fin spacing	mm	1.3	1.5	1.3+1.3	1.3	1.6			
		inch	19	17	19+19	19	16			
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin			
	Tube diameter	mm	Φ7	Φ7	Φ7+Φ7	Φ7	Φ8			
		inch	9/32	9/32	9/32+9/32	9/32	5/16			
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe			
Coil size (WxH)	\	972x588	982x672	(960x462)+(960x462)	3,000x672	(1,882x484)+(1,882x484)				
Number of circuits	\	7	16	11+(5+6)	8+8	22+22				
Indoor fan	Type	\	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal			
	Quantity	\	1	1	1	2	2			
	Drive type	\	Direct	Belt	Belt	Belt	Belt			
	Motor quantity	\	1	1	1	1	1			
	Motor model	\	YDK750-6E	YE2-100L1-4-2.2KW	YE2-112M-4-4.0KW	YE2-132S-4-5.5KW	YE2-132M-4-7.5KW			
	Motor capacitor	\	25μF/450V	\	\	\	\			
	Motor input	W	1,120/1,038/972	\	\	\	\			
Motor speed	RPM	1,080/1,010/930	1,700	1,728	1,730	1,730				
Compressor	Type	\	Scroll	Scroll	Scroll	Scroll	Scroll			
	Quantity	\	1	1	2	2	2			
	Model	\	ZP91KCE-TF5-522	ZP122KCE-TF5-522	ZP57K3E-TF5-522	ZP122KCE-TF5-522	ZP122KCE-TF5-522	ZP137KCE-TF5-522	ZP137KCE-TF5-522	
	Brand	\	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	
	Capacity	W	26,600	36,400	36,400	36,400	36,400	40,200	40,200	
		Btu/h	90,500	124,000	58,000	124,000	124,000	124,000	137,000	137,000
	Input	W	8,230	11,000	5,500	11,000	11,000	11,000	12,400	12,400
	RLA (Rated Load Amps.)	A	30.7	37.9	22.9	37.9	37.9	37.9	53.6	53.6
	LRA (Locked Rotor Amps.)	A	191	240	155	240	240	240	245	245
Refrigerant oil charge	\	POE (1,774ml)	POE (2,513ml)	POE (1,656ml)	POE (2,513ml)	POE (2,513ml)	POE (2,513ml)	POE (3,253ml)	POE (3,253ml)	
Outdoor Coil	Number of rows	\	3	2.5	3.5	3	3+2+3+2			
	Fin spacing	mm	1.5	1.5	1.6	1.5+1.5	1.5+1.5+1.5+1.5			
		inch	17	17	16	17+17	17+17+17+17			
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin			
Tube diameter	mm	Φ7	Φ7	Φ8	Φ7+Φ7	Φ7+Φ7+Φ7+Φ7				

Tube diameter		inch	9/32	9/32	5/16	9/32+9/32	9/32+9/32+9/32+9/32
Tube type		\	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe	Inner grooved copper pipe
Coil size (WxH)		\	1,686x756	1,691x1,050	1,712x1,100	(1,500x1,134)+(1,500x1,134)	(935x1,050)x2+(935x1,260)x2
Number of circuits		\	18	13	17+8	14+14	12+12+10+10
Outdoor Fan	Type	\	Axial	Axial	Axial	Axial	Axial
	Quantity	\	1	1	1	2	2
	Diameter	mm	Φ700	Φ700	Φ750	Φ750	Φ800
	Drive type	\	Direct	Direct	Direct	Direct	Direct
	Motor quantity	\	1	1	1	2	2
	Motor model	\	YS1100-6C	YS1100-6C	YS1100-6C	YS2200-6C	YS2200-6
	Motor capacitor	\	\	\	\	\	\
	Motor input	W	\	\	\	\	\
Motor speed	RPM	1,100	1,100	1,100	1,150	1,130	
Outdoor sound level (Sound pressure level)		dB(A)	75.6	75.7	76.8	78.3	82.2
Refrigerant	Type	\	R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	kg	3.8	4.1	4.6+2.2	5.4+5.4	6.7+6.7
	Refrigerant Control	\	Throttle valve	Throttle valve	Throttle valve	Throttle valve	Capillary
Power wires		\	3x16mm ² +2x10mm ²	3x16mm ² +2x10mm ²	3x25mm ² +2x10mm ²	3x35mm ² +2x16mm ²	3x50mm ² +2x25mm ²
Wired controller		\	KJR-25B	KJR-12B/DP(T)-E(B)	KJR-12B/DP(T)-E(B)	KJR-12B/DP(T)-E(B)	KJR-12B/DP(T)-E(B)
Centralized controller (Optional)		\	No	Yes	Yes	Yes	Yes
Operation temperature		°C		17~30	17~30	17~30	17~30
Ambient temperature	Cooling	°C	10~52 (50°F~125.6°F)	10~52 (50°F~125.6°F)	10~52 (50°F~125.6°F)	10~52 (50°F~125.6°F)	10~52 (50°F~125.6°F)
	Heating	°C	\	\	\	\	\
Dimensions	Net (WxHxD)	mm	1,475x840x1,130	1,483x1,231x1,138	1,965x1,230x1,130	1,670x1,247x2,192	2,320x1,245x2,220
		inch					
	Packing (WxHxD)	mm	1,495x870x1,150	1,500x1,255x1,155	1,995x1,255x1,160	1,695x1,284x2,212	2,330x1,275x2,230
		inch					
Weight	Net weight	kg(lbs)	235	325	470	670	895
	Gross weight	kg(lbs)	240	335	485	700	925
Filter	Quantity	\	\	\	\	\	\
	Size (WxHxD)	mm	\	\	\	\	\

Notes:

- Cooling capacity test condition 1:
Outdoor ambient temperature: 35°C (95°F), indoor temperature: 26.7°C 0(80°F) DB/19.4°C (67°F) WB.
Cooling capacity test condition 2:
Outdoor ambient temperature: 46.1°C (115°F), indoor temperature: 26.7°C 0(80°F) DB/19.4°C (67°F) WB.
- FPI: Fins per inch.
- Units are suitable for operation to ±20% of nominal CFM.