



CCRT3

ROOFTOP UNITS

7.5 and 25 Tons



Features:

- High reliability and High efficiency
- R410
- Easy installation and service
- Anti-corrosion cabinet
1,000-hour salt spray tested





CCRT3

ROOFTOP UNITS

7.5 and 25 Tons

			CCRT90-3	CCRT120-3	CCRT180-3	CCRT240-3	CCRT300-3
Nominal ton		(Ton)	7.5	10	18	20	23
Power supply		V,Ph,Hz	220V 3Ph 60Hz	220V 3Ph 60Hz	220V 3Ph 60Hz	220V 3Ph 60Hz	220V 3Ph 60Hz
Cooling 1	Cooling capacity	Btu/h	89000	120000	180000	240000	300000
		kW	26	35	53	70	87
	Power input	kW	7.8	10.7	16.2	21.9	27.8
Cooling 2	EER	Btu/h/W	11.4	11.2	11.1	11	10.8
		Cooling capacity	Btu/h	69.6	100.2	146,000	200,500
		kW	20.4	29.37	42.79	58.76	73.77
	Power input	kW	8.6	12.5	18.5	25.2	37.9
	EER	Btu/h/W	11.3	17.5	25	36	45
Max. input consumption		kW	42.4	57.4	88.3	124.6	150
Max. current		A	2,700	4,120	6,450	8,580	11,138
Performance	Indoor air flow	CFM	2950	4200	7100	8800	10500
	ESP	Pa	Default: 80, 0~250	Default: 90, 0~	Default: 110; 0~325	Default: 120; 0~400	Default: 250; 125~450
Indoor Coil	Number of rows		3	4	4	4	4
	Fin spacing	mm	1.3	1.5	1.3	1.3	1.6
		FPI	19	17	19	19	16
	Tube diameter	mm	7	7	7	7	8
		inch	9/32	9/32	9/32	9/32	5/16/15
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1	1
	Drive type		Direct	Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
	Motor model		AC Motor	AC Motor	AC Motor	AC Motor	AC Motor
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	2	2	2
	Model		ZP91KCE-TF5-522	ZP122KCE-TF5-	ZP57K3E-TF5-522	ZP122KCE-TF5-522x2	ZP137KCE-TF5-522x2
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	90500	124000	58000+124000	124000x2	137000x2
	Refrigerant oil charge	ml	1774	2513	1656+2513	2513x2	3253x2
Outdoor Coil	Number of rows		3	2.5	3.5	3+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
		FPI	17	17	16	17	17
	Tube diameter	mm	7	7	8	7	7
		inch	9/32	9/32	5/16/15	9/32	9/32
Outdoor Fan	Type / Quantity		Propeller	Propeller	Propeller	Propeller	Propeller
	Drive type		1	1	1	2	2
	Motor model		Direct	Direct	Direct	Direct	Direct
	Fan speed		1	1	1	2	2
Refrigerant	Type / Volume		AC Motor	AC Motor	AC Motor	AC Motor	AC Motor
		Control	R410A	R410A	R410A	R410A	R410A
Sound pressure level		dB(A)	75.6	75.7	76.8	78.3	79.2
Wired controller		\	KJR-25B	KJR-12B/dP(T)-	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)		\	No	Yes	Yes	Yes	Yes
Ambient temperature (Cooling)		℃	10~52	10~52	10~52	10~52	10~52
System stage		\	1	1	2	2	2
Dimensions	Net (W×H×D)	mm	1,475×840×1,130	1,483×1,231×1,138	1,965×1,230×1,130	1,670×1,247×2,192	2,320×1,245×2,220
	Packing (W×H×D)	mm	1,495×870×1,150	1,500×1,255×1,155	1,995×1,255×1,160	1,695×1,284×2,212	2,330×1,275×2,230
Weight	Net	kg	235	325	470	670	895
	Gross	kg	240	335	485	700	925

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