



I-Pack condensing unit for commercial refrigeration

Copeland Digital Scroll

Multiple Compressor Units

COPELAND

Cooling solution for medium and large capacities

- An ideal choice for medium temperature refrigeration needs under varying load conditions, offering excellent energy efficiency. Commonly applied in supermarkets, cold rooms, and rapid cooling systems.
- Stepless Modulation / Capacity Control (10–100%)
- Copeland Digital Scroll compressors provide seamless capacity modulation between 10% and 100% of the nominal capacity. This ensures perfect adaptation to system load, eliminates unnecessary capacity operation, and delivers significant energy savings.
- The microchannel U condenser design reduces refrigerant charge requirements by up to 40%.



Carel
Controller



Copeland
Digital Scroll

I-PACK

R404A - R448A
R449A



iPACK			iPackCP-14	iPackCP-17	iPackCP-20	iPackCP-26
Compressor QTY			2	2	2	3
Refrigerating Capacity	Medium Temp.	kW	13,86	17,20	20,45	25,94
Power Input	Medium Temp.	kW	6,36	7,83	9,03	11,57
Heating Capacity	Medium Temp.	kW	20,22	25,03	29,48	37,51
COP	Te -10°C		2,2	2,2	2,2	2,2
Dimensions	Height	mm	1887	1887	1887	1887
	Width	mm	810	810	810	810
	Depth	mm	810	810	810	1750
Weight	kg		252	252	252	394
Heat Exchanger			Microchannel U Condenser			
Compressor 1	Type		Copeland Dijital Scroll			
	Amper	A	5,40	6,81	7,81	6,81
	Piston Displacement	cm³/rev	44	54,50	65,30	54,50
	Compressor Model		ZBD30KCE-TFD	ZBD38KCE-TFD	ZBD45KCE-TFD	ZBD38KCE-TFD
	Starting Method		Capacity Control			
Compressor 2	Type		Copeland Scroll			
	Amper	A	8,11	7,39	9,26	7,39
	Piston Displacement	m³/h	44,40	55,60	65	55,60
	Compressor Model		ZB30KCE-TFD	ZB38KCE-TFD	ZB45KCE-TFD	ZB38KCE-TFD
	Starting Method		Direct on line			
Compressor 3	Type		Copeland Scroll			
	Amper	A	-	-	-	7,39
	Piston Displacement	m³/h	-	-	-	55,60
	Compressor Model		-	-	-	ZB38KCE-TFD
	Starting Method		Direct on line			
Fan	Type		Axial Fan			
	Quantity		1			
	Air Flow Rate	m³/h	9185	9185	10525	12,565
	Diameter	Ø	630	630	630	630
Fan Motor	Output	W	565	565	565	565
	Drive		Fan Inverter			
Sound Pressure Level	Nom.	dBA	67	67	67	67
Operation Range	Evaporator		-10 / +45 °C			
Refrigerant	Type		R-448A / R-449A			
	GWP		1.387			
	Charge	kg	12	14	20	24
Power Supply	Phase/Frequency/Voltage	Hz/V	3Ph~/50/380-415			



/ibscoolingsystem

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