



iPack condensing unit for commercial refrigeration

R455A iPack



Inverter



Scroll
Compressor

Cooling solution for medium and large capacities

- Wide operating range with a single model – suitable for evaporating temperatures from -40°C to $+5^{\circ}\text{C}$
- An ideal choice for both low temperature (LT) and medium temperature (MT) applications under variable heat load conditions, offering excellent energy efficiency. Commonly applied in supermarkets, cold rooms, rapid cooling systems, and freezer applications.

R455A iPack



Single



Single



Tandem

iPACK			iPack8	iPack11	iPack16	iPack19	iPack24	iPack35	iPack48
Refrigerating Capacity (Maximum)	Medium Temp.	kW	8,3	11,5	16,6	18,8	23,9	***	****
	Low Temp.	kW	4,5	6,3	9,1	10,04	13,2	-	-
Power Input	Medium Temp.	kW	5,6	7,2	9,7	11,0	13,5	-	-
	Low Temp.	kW	5,5	7,04	9,4	10,54	12,9	-	-
COP	Te -10°C		1,48	1,60	1,71	1,70	1,77	-	-
	Te -25°C		0,83	0,90	0,96	0,95	1,02	-	-
Dimensions	Height	mm	1887						
	Width	mm	810						
	Depth	mm	810						
Weight	Kg		252	252	254	290	290	290+252	290+290
Heat Exchanger		-	Microchannel Condenser						
Compressor 1	Type	-	Inverter Scroll						
	Output	W	5170*	7140*	10300*	7140*	10300*	-	-
	Piston Displacement	cm ³ /rev	47	64	90	64	90	-	-
	Speed	rps	30-100	30-100	30-100	30-100	30-100	-	-
	Starting Method	-	Direct on line (inverter driven)						
Compressor 2	Type	-	-	-	-	Fixed Scroll			
	Output	W	-	-	-	7390**	7390**	-	-
	Piston Displacement	m ³ /h	-	-	-	83	83	-	-
	Hz	-	-	-	-	50	50	-	-
	Starting Method	-	Direct on line						
Fan	Type	-	Axial Fan						
	Quantity	-	1						
	Air Flow Rate	m ³ /h	12,565						
	Diameter	Ø	630						
Fan Motor	Output	W	565						
	Drive	-	Direct on line (inverter driven)						
Sound Pressure Level	Nom.	dBA	67	67	67	67±10	67±10	67±10	67±10
Operation Range	Evaporation	-	-40~5°C						
Refrigerant	Type	-	R455A						
	GWP	-	148						
Power Supply	Phase/Frequency/Voltage	Hz/V	3Ph~/50/380-415						

Cooling Capacity (kW) at Condition EN12900 MT (-10/45, SH=10K, SC=0K)

Cooling Capacity (kW) at Condition EN12900 LT (-25/45, SH=10K, SC=0K)

* At 60rps rotate speed -10 / +45 °C

**At 50Hz rotate speed -10 / +45 °C

***It is recommended to use the iPack 16 and iPack 18 models together for the iPack 35 kw.

****It is recommended to use the iPack 24 and iPack 24 models together for the iPack 47,8 kw.

Liquid cooling is required for negative systems.



/ibscoolingsystem

/ibssogutma



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