



Condensing unit for commercial refrigeration with reciprocating technology

JEHCCU-CL1 / JEHSCU-CL3



Reciprocating compressor

Refrigeration solution for small food retailers

- › Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- › Compact and lightweight for even the smallest of city centre locations
- › All components can be accessed, making maintenance quick and easy
- › Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- › The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- › Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact

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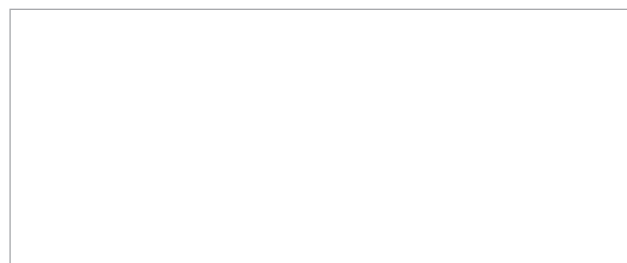


JEHCCU-CL1 / JEHSCU-CL3

Low Temperature Refrigeration			JEHCCU-CL1 JEHSCU-CL3	0115CL1	0200CL3	0300CL3	0400CL3	0500CL3	0600CL3	0750CL3	0950CL3 EVI
Seasonal energy performance ratio SEPR	R-404A	Te -35°C		-			1.88	1.79	1.80	1.82	1.79
	R-407A	Te -35°C					1.67		1.64	-	1.76
	R-407F	Te -35°C					1.65	1.64			1.63
	R-448A	Te -35°C					1.67		1.64		1.76
	R-449A	Te -35°C					1.67		1.64		1.76
Annual electricity consumption Q	R-404A	Te -35°C	kWh/a	-	-	-	11,555	14,732	17,107	21,649	24,503
	R-407A	Te -35°C	kWh/a	-	-	-	10,212	12,364	15,026	-	20,958
	R-407F	Te -35°C	kWh/a	-	-	-	10,730	13,018			22,348
	R-448A	Te -35°C	kWh/a	-	-	-	11,276		15,878	21,856	20,551
	R-449A	Te -35°C	kWh/a	-	-	-	11,276		15,878	21,856	20,551
Parameters at full load and ambient temp. 25°	R-404A	Te -35°C	Declared COP (COP2)	1.11	1.16	1.40					
Parameters at part load and ambient temp. 25°C (Point B)	R-404A	Te -35°C	Declared COP (COPB)		-		1.50	1.41	1.44	1.61	1.58
	R-407A	Te -35°C	Declared COP (COPB)		-		1.24	1.25	1.35	-	1.51
	R-407F	Te -35°C	Declared COP (COPB)		-		1.23			-	1.35
	R-448A	Te -35°C	Declared COP (COPB)		-		1.30		1.29	1.43	1.42
	R-449A	Te -35°C	Declared COP (COPB)		-		1.30		1.29	1.43	1.42
Parameters at full load and ambient temp. 32°C (Point A)	R-404A	Te -35°C	Rated COP (COPA)	0.96	0.97	1.09	1.22	1.14	1.06		1.36
	R-407A	Te -35°C	Rated COP (COPA)		-		0.98	0.97	0.93	-	1.26
	R-407F	Te -35°C	Rated COP (COPA)				0.95	0.93		-	1.08
	R-448A	Te -35°C	Rated COP (COPA)		-	0.97	1.02		0.83	1.18	1.24
	R-449A	Te -35°C	Rated COP (COPA)		-	0.97	1.02		0.83	1.18	1.24
	R-404A	Te -35°C	Rated cooling capacity (PA)	0.69	1.42	1.98	2.91	3.53	4.13	5.29	5.90
	R-407A	Te -35°C	Rated cooling capacity (PA)		-		2.29	2.77	3.31	-	4.96
	R-407F	Te -35°C	Rated cooling capacity (PA)		-		2.38	2.87		-	4.88
	R-448A	Te -35°C	Rated cooling capacity (PA)		-	1.62	2.53		3.49	4.81	4.86
	R-449A	Te -35°C	Rated cooling capacity (PA)		-	1.62	2.53		3.49	4.81	4.86
Parameters at full load and ambient temp. 43°C	R-404A	Te -35°C	Rated power input (DA)	0.72	1.46	1.81	2.38	3.10	3.90	3.88	4.35
	R-407A	Te -35°C	Rated power input (DA)		-		2.33	2.85	3.57	-	3.94
	R-407F	Te -35°C	Rated power input (DA)		-		2.51	3.08		-	4.51
	R-448A	Te -35°C	Rated power input (DA)		-	1.67	2.48		4.19	4.08	3.93
	R-449A	Te -35°C	Rated power input (DA)		-	1.67	2.48		4.19	4.08	3.93
	R-404A	Te -35°C	Declared COP (COP3)	0.69	0.60	0.70	0.86	0.79	0.64	0.98	1.06
	R-407A	Te -35°C	Declared COP (COP3)		-		0.67	0.66	0.64		-
	R-407F	Te -35°C	Declared COP (COP3)		-		0.62			-	
	R-448A	Te -35°C	Declared COP (COP3)		-		0.68		0.46	0.81	-
	R-449A	Te -35°C	Declared COP (COP3)		-		0.68		0.46	0.81	-
Dimensions	Unit	HeightxWidthxDepth	mm	607x876x420	662x1,101x444		872x1,353x575			1,727x1,348x605	
Weight	Unit		kg	55	76	78	132		133	203	200
Compressor	Type			Reciprocating compressor							
	Piston displacement		m³/h	4.55	5.9	8.0	11.8	14.5	17.1	21.4	17.1
Fan	Type			Axial							
	Sound pressure level	Nom.	dB(A)	31	32	33	37	39	41		37
Piping connections	Liquid line connection		inch	3/8"			1/2"				
	Suction line connection		inch	1/2"	3/4"		7/8"			1 1/8"	7/8"
Refrigerant	Type 1 - GWP Type 1			R-404A - 3,922							
	Type 2 - GWP Type 2			R-407A - 2,107							
	Type 3 - GWP Type 3			R-407F - 1,825							
	Type 4 - GWP Type 4			R-448A - 1,387							
	Type 5 - GWP Type 5			R-449A - 1,397							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230			3~/50/400				

Its functioning relies on fluorinated greenhouse gases | Sound pressure level is measured at 10m in anechoic room | SRG 20°C, Ta=32°C, Te=-35°C | Refer to condition: Outside ambient temperature = 32°C

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