



# Condensing unit for commercial refrigeration with reciprocating/scroll technology

JEHSCU-CL3/JEHCCU-CL1



Reciprocating compressor



Scroll 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

# JEHSCU-CL3/JEHCCU-CL1

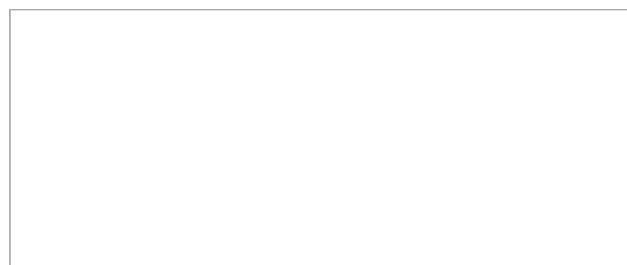


Low Temperature Refrigeration				JEHCCU-CL1/JEHSCU-CL3	JEHCCU0115	JEHSCU0200	JEHSCU0300	JEHSCU0400	JEHSCU0500	JEHSCU0600	JEHSCU0750
					CL1	CL3	CL3	CL3	CL3	CL3	CL3
Refrigerating capacity	Low temperature	R-404A	Nom	kW	0.69 (1)	1.42 (1)	1.98 (1)	2.91 (1)	3.53 (1)	4.13 (1)	5.29 (1)
		R-407A	Nom	kW	-	1.16 (1)	1.51 (1)	2.29 (1)	2.77 (1)	3.31 (1)	4.29 (1)
Power input	Low temperature	R-404A	Nom	kW	0.720 (1)	1.460 (1)	1.810 (1)	2.380 (1)	3.100 (1)	3.690 (1)	3.880 (1)
		R-407A	Nom	kW	-	1.310 (1)	1.770 (1)	2.330 (1)	2.850 (1)	3.570 (1)	4.170 (1)
Seasonal energy performance ratio SEPR	R-404A	Te -35°C						1.88	1.79	1.80	1.82
	R-407A	Te -35°C						1.67		1.52	1.51
Annual electricity consumption Q	R-404A	Te -35°C		kWh/a				11,555.00	14,732.00	17,107.00	21,649
	R-407A	Te -35°C		kWh/a				10,212.00	12,364.00	16,220.00	21,146
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)		-	0.89	0.85	0.98	0.97	0.93	1.03
Parameters at full load and ambient temp. 25°C	R-404A	Te -35°C	Declared COP (COP2)		1.11	1.16	1.40				
	R-407A	Te -35°C	Declared COP (COP2)		-	1.12	1.08				
Parameters at full load and ambient temp. 43°C	R-404A	Te -35°C	Declared COP (COP3)		0.69	0.60	0.70	0.86	0.79	0.64	0.98
	R-407A	Te -35°C	Declared COP (COP3)		-	0.55	-	0.67	0.66	0.64	0.73
Dimensions	Unit	Height	mm		607		662		872		1,727
		Width	mm		876		1,101		1,353		1,348
		Depth	mm		420		444		575		605
Weight	Unit		kg		55	76	77	132		133	203
Compressor	Type				Reciprocating compressor		Scroll compressor				
	Model				CAJ2446Z	ZF06K4E-TFD	ZF09K4E-TFD	ZF13K4E-TFD	ZF15K4E-TFD	ZF18K4E-TFD	ZF25K5E-TFD
	Oil	Charged volume	l		0.9					1.900	
	Oil Type				Uniqema Emkarate RL32CF	Polyester oil (Copeland Ultra 22 CC, 32 CC and 32-3MAF, Mobil EAL™ Arctic 22 CC, Uniqem Emkarate RL32CF					
	Piston displacement		m³/h		4.55	5.90	8.00	11.800	14.500	17.100	21.40
Fan	Type				Axial						
	Air flow rate	Cooling	Nom	m³/h	1,300	2,700					5,750
Sound pressure level	Nom.		dBA		31 (2)	32 (2)	33 (2)	37 (2)	39 (2)	41 (2)	
Refrigerant	Type				R-404A						
	Type 2				R-407A						
	GWP				3,921.6						
	GWP Type 2				2,107.0						
Piping connections	Liquid line connection		inch		3/8"			1/2"			
	Suction line connection		inch		1/2"	3/4"		7/8"		1 1/8"	
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/230		3~/50/400				

(1) SRG 20°C, Ta=32°C, Te=-35°C (2) Sound pressure level is measured at 10m in anechoic room

(2) Sound pressure level is measured at 10m in anechoic room | Its functioning relies on fluorinated greenhouse gases

**Daikin Europe N.V.** Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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