

Model: JME-ZR-28

Refrigeration parameters according to entry

Category:	Condensing units
Refrigerant:	R404A, R507
Ambient temperature T_{11} [°C]:	32.0
Evaporating temperature T_e [°C]:	-10.0
Refrigeration capacity Q_o [kW]:	3.79
Refrigeration power input P_e [kW]:	2.03

Complete table of refrigeration capacities and power inputs

Compressor

Type:	ZR28 K3E
Displacement [m ³ /h]:	6.8
Oil:	Emkarate RL 32CF
Oil charge [dm ³]:	1

Condenser

Type:	28 - 1V
Air flow [m ³ /h]:	2160
Internal volume [dm ³]:	1.70
Fan(s):	1
Fan diameter [mm]:	350

Connection diameters

Condenser

Input ["/mm]:	3/8 / 10
Output ["/mm]:	3/8 / 10

Connection tubing

Suction ["/mm]:	5/8 / 16
Discharge ["/mm]:	3/8 / 10
Liquid ["/mm]:	3/8 / 10

Electrical data

Whole condensing unit [A]:	6.30
Compressor	
Feeding:	400V - 3 - 50 Hz
Maximum continuous current [A]:	5,1
Ventilator	
Feeding:	230V - 1 - 50 Hz
Maximum continuous current [A]:	1 × 0,58

Mechanical data

Weight [kg]:	59.0
Width [mm]:	600
Depth [mm]:	600
Height [mm]:	480
Connection width [mm]:	560
Connection depth [mm]:	380
Connection hole [mm]:	4×9

Miscellaneous

Sound LWA [dBA]:	68.1
Liquid receiver volume [dm ³]:	3.4

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Refrigerant	Ambient temperature T_{11} [°C]	Evaporating temperature T_e [°C]	Refrigeration capacity Q_o [kW]	Power input P_e [kW]
R134a	27.0	-10.0	2.53	1.09
R134a	27.0	-5.0	3.16	1.14
R134a	27.0	0.0	3.87	1.19
R134a	27.0	5.0	4.65	1.26
R134a	27.0	7.0	4.97	1.29
R134a	27.0	10.0	5.47	1.33
R134a	27.0	12.5	5.90	1.37
R134a	27.0	15.0	6.35	1.41
R134a	32.0	-5.0	2.99	1.29
R134a	32.0	0.0	3.66	1.35
R134a	32.0	5.0	4.40	1.42
R134a	32.0	7.0	4.70	1.45
R134a	32.0	10.0	5.17	1.50
R134a	32.0	12.5	5.57	1.54
R134a	32.0	15.0	5.99	1.58
R134a	38.0	0.0	3.41	1.56
R134a	38.0	5.0	4.09	1.64
R134a	38.0	7.0	4.37	1.67
R134a	38.0	10.0	4.80	1.72
R134a	38.0	12.5	5.17	1.76
R134a	38.0	15.0	5.55	1.81
R134a	43.0	5.0	3.83	1.84
R134a	43.0	7.0	4.09	1.87
R134a	43.0	10.0	4.49	1.92
R134a	43.0	12.5	4.84	1.97
R134a	43.0	15.0	5.17	2.01
R404A, R507	27.0	-25.0	2.04	0.00
R404A, R507	27.0	-20.0	2.55	0.00
R404A, R507	27.0	-15.0	3.27	0.00
R404A, R507	27.0	-10.0	3.99	0.00
R404A, R507	27.0	-5.0	4.80	0.00
R404A, R507	27.0	0.0	5.84	0.00
R404A, R507	27.0	5.0	7.02	0.00
R404A, R507	32.0	-25.0	1.85	1.68
R404A, R507	32.0	-20.0	2.31	1.82
R404A, R507	32.0	-15.0	2.91	1.93
R404A, R507	32.0	-10.0	3.79	2.03
R404A, R507	32.0	-5.0	4.28	2.16
R404A, R507	32.0	0.0	5.49	2.28
R404A, R507	32.0	5.0	6.61	2.39
R404A, R507	38.0	-10.0	3.53	0.00
R404A, R507	38.0	-5.0	4.26	0.00
R404A, R507	38.0	0.0	5.27	0.00
R404A, R507	38.0	5.0	6.33	0.00