



APPROVALS




 **ENGINEERING CODE**
602EA0612AA

 **APPROVED REFRIGERANT**
R290

 **POWER SUPPLY**
220 - 240V 50Hz ~

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
M/HBP

 **COOLING CAPACITY**
2504 W

 **EFFICIENCY**
2.25 W/W

DATA

General Data

Weight	31 Kg
Receiver	2.3 L
Height	323 mm
Length	494 mm
Width	395 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	CSIR
Locked Rotor Amperage (LRA)	29 A
Max Current	6.68 A

Spare Parts

Condenser	3R12T	2451140
Valve Discharge	SOLDER 3/8"	2110049
Valve Suction	SOLDER 3/8"	2110046
Fan Kit	IQ3620 275/31/5B	1996704
Compressor	NT6222U	842EA04..AC
Electrical Kit	ELKOM NT6222U	842EA0413A

Noise Data

Sound Power Level	70.7 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	62.7 dB (A)	48.7 dB (A)	42.7 dB (A)

Fan Motor

Number	1
Shaft Power	-
Air Flow	640 m ³ /h
Blade diameter	275 mm

PERFORMANCE

Rated Points

Ambient Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	7.20°C	2504 W	1111 W	6.88 A	2.25 W/W

Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Performance Curve Data

Ambient Temperature 25°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	1099	702	5.57	1.57
-15	1341	753	5.73	1.78
-5	1920	870	6.07	2.21
0	2244	940	6.3	2.39
5	2581	1020	6.57	2.53
7	2732	1060	6.72	2.58
10	2925	1115	6.92	2.62

Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 25.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 32°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	994	719	5.63	1.38
-15	1217	775	5.79	1.57
-5	1754	903	6.17	1.94
0	2054	980	6.42	2.1
5	2365	1068	6.73	2.21
7	2504	1111	6.88	2.25
10	2681	1171	7.11	2.29

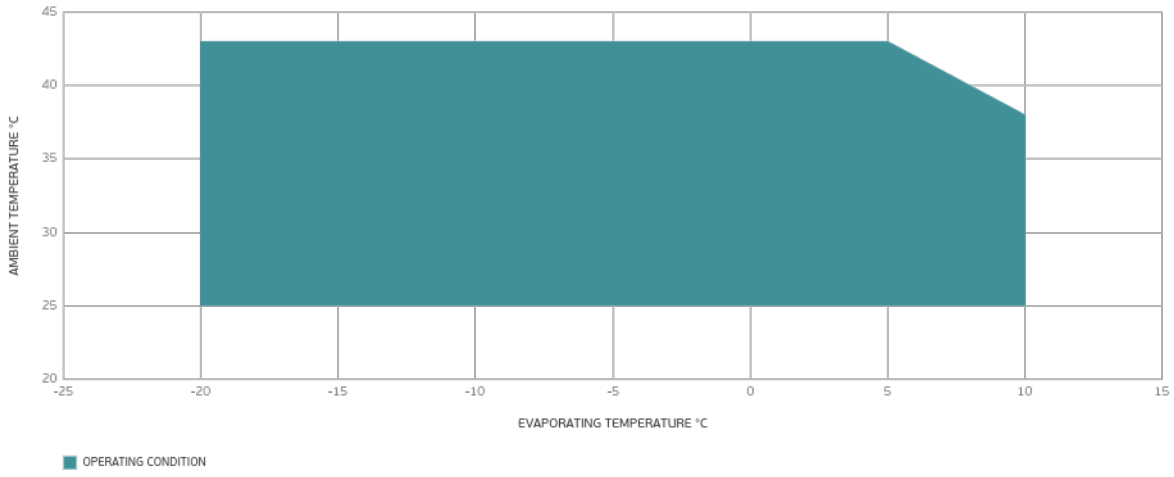
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

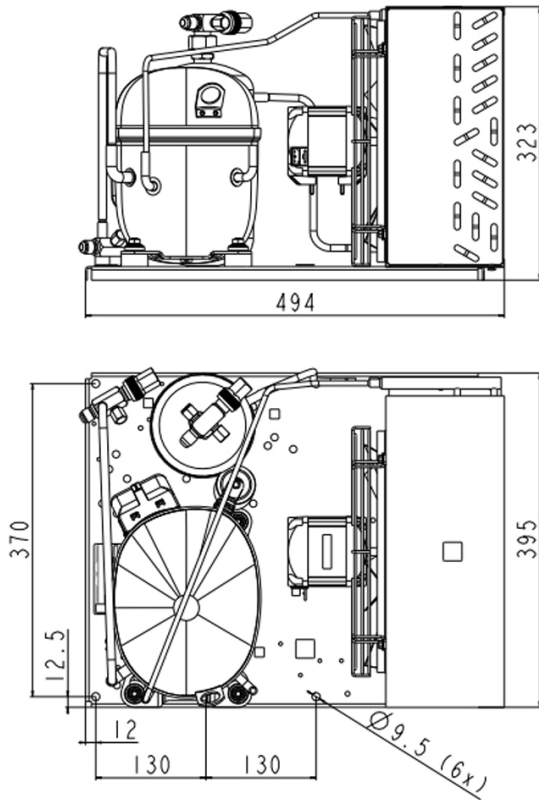
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	790	740	5.67	1.07
-15	966	818	5.89	1.18
-5	1399	993	6.44	1.41
0	1641	1095	6.79	1.5
5	1893	1209	7.21	1.57
7	2004	1264	7.42	1.59
10	2146	1338	7.72	1.6

Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

Operating Envelope



External Dimensions



Wiring Diagram

