

APPROVALS



ENGINEERING CODE
593FA0012AA

APPROVED REFRIGERANT
R290

POWER SUPPLY
220 - 240V 50Hz ~

STANDARD CONDITIONS
ASHRAE

APPLICATION
M/HBP

COOLING CAPACITY
867 W

EFFICIENCY
2.77 W/W

DATA

General Data

Weight	15.6 Kg
Height	254 mm
Length	435 mm
Width	293 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	CSIR
Locked Rotor Amperage (LRA)	10.4 A
Max Current	1.94 A

Spare Parts

Condenser	3R9T	2451205
Fan Kit	IQ3612 230/28/5P	1996702
Compressor	EMT6165U	872GA67..AR
Electrical Kit	ELCOM EMT6165U	872GA6764A

Fan Motor

Number	1
Shaft Power	-
Air Flow	420 m ³ /h
Blade diameter	230 mm

PERFORMANCE

Rated Points

Ambient Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	7.20°C	867 W	313 W	1.93 A	2.77 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	403	209	1.62	1.93
-15	482	224	1.65	2.15
-5	670	258	1.74	2.6
0	779	276	1.79	2.82
5	898	295	1.85	3.04
7	953	303	1.87	3.14
10	1027	314	1.91	3.27

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	365	215	1.67	1.7
-15	439	231	1.71	1.9
-5	611	266	1.79	2.3
0	709	285	1.85	2.49
5	816	304	1.9	2.69
7	867	313	1.93	2.77
10	933	324	1.97	2.88

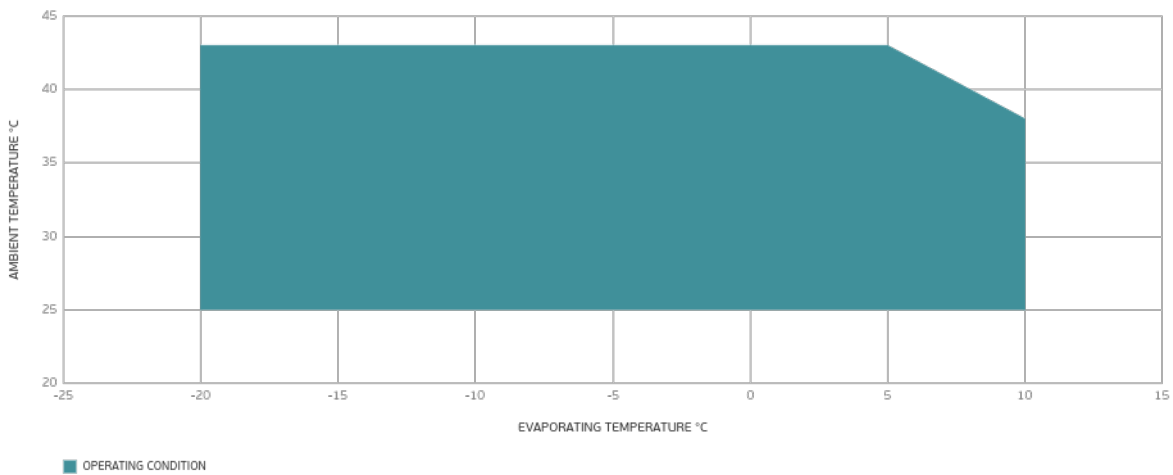
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

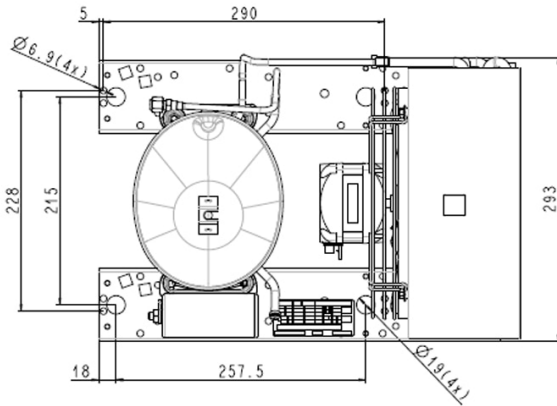
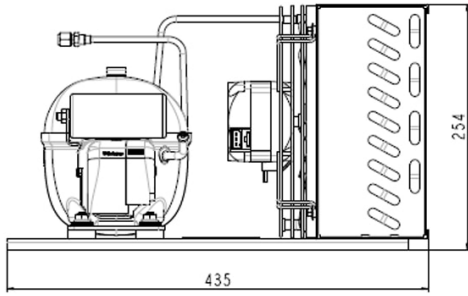
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	301	231	1.68	1.31
-15	369	250	1.73	1.48
-5	523	292	1.85	1.79
0	608	314	1.93	1.94
5	700	337	2.01	2.08
7	743	348	2.05	2.14
10	799	362	2.1	2.21

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

