

APPROVALS



ENGINEERING CODE
593FA0112AA

APPROVED REFRIGERANT
R290

POWER SUPPLY
220 - 240V 50Hz ~

STANDARD CONDITIONS
EN13215_SH10

APPLICATION
M/HBP

COOLING CAPACITY
471 W

EFFICIENCY
1.87 W/W

DATA

General Data

Weight	16 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	2.01 A

Spare Parts

Valve Suction	FLARE 3/8"	2110024
Valve Discharge	FLARE 1/4"	2110025
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	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	471 W	252 W	1.77 A	1.87 W/W

Test Condition EN13215_SH10: Evaporating temp. -10.00°C, Ambient temp. 32.00°C, Return Gas 0 °C, Subcooling 3K , Superheating 10K

Performance Curve Data

Ambient Temperature 25°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	363	212	1.65	1.71
-15	438	228	1.68	1.92
-10	522	244	1.72	2.14
-5	617	262	1.77	2.35
0	722	280	1.82	2.58
5	839	299	1.87	2.81
10	969	317	1.93	3.05

Test Condition EN13215_SH10: Evaporating temp. -10.00°C, Ambient temp. 25.00°C, Return Gas 0 °C, Subcooling 3K , Superheating 10K

Ambient Temperature 32°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	325	219	1.7	1.49
-15	394	234	1.73	1.68
-10	471	252	1.77	1.87
-5	557	270	1.82	2.07
0	654	288	1.87	2.27
5	761	308	1.93	2.47
10	879	328	1.99	2.68

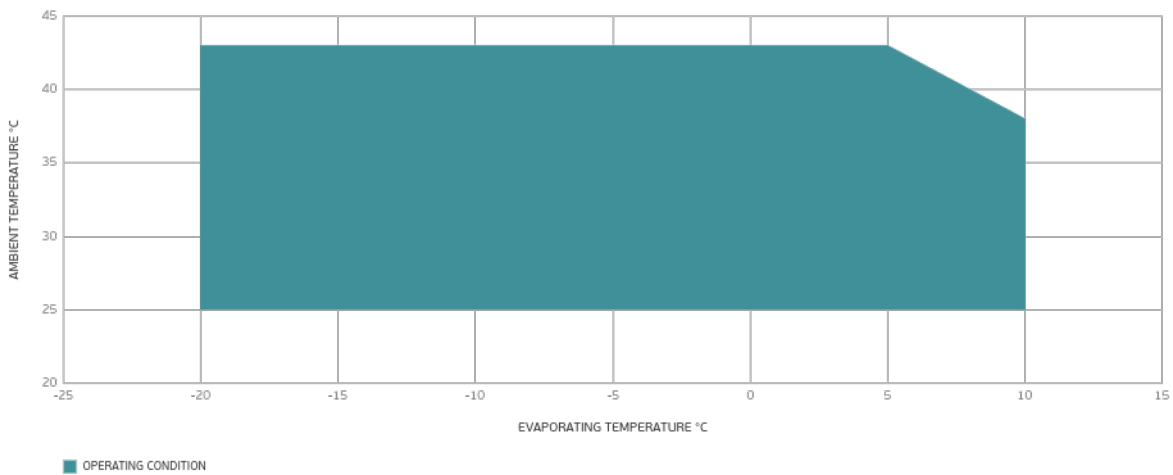
Test Condition EN13215_SH10: Evaporating temp. -10.00°C, Ambient temp. 32.00°C, Return Gas 0 °C, Subcooling 3K , Superheating 10K

Ambient Temperature 43°C

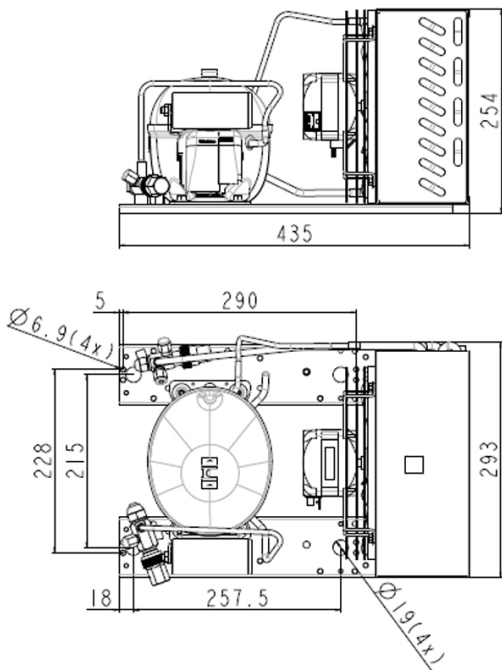
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	263	234	1.7	1.13
-15	326	253	1.75	1.29
-10	395	273	1.8	1.45
-5	472	295	1.87	1.6
0	557	317	1.95	1.76
5	651	341	2.03	1.91
10	755	365	2.11	2.07

Test Condition EN13215_SH10: Evaporating temp. -10.00°C, Ambient temp. 43.00°C, Return Gas 0 °C, Subcooling 3K , Superheating 10K

Operating Envelope



External Dimensions



Wiring Diagram

