


APPROVALS



 **ENGINEERING CODE**
594FA0312AA

 **APPROVED REFRIGERANT**
R290

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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
M/HBP

 **COOLING CAPACITY**
728 W

 **EFFICIENCY**
2.49 W/W

DATA

General Data

Weight	13.3 Kg
Height	226 mm
Length	430 mm
Width	290 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	CSIR
Locked Rotor Amperage (LRA)	8.5 A
Max Current	1.51 A

Spare Parts

Fan Kit	IQ3612 200/28/5B	1996701
Condenser	3R8T	2451204
Compressor	EMT6152U	872FA67..AR
Electrical Kit	ELCOM EMT6152U	872FA67K3A

Fan Motor

Number	1
Shaft Power	-
Air Flow	300 m ³ /h
Blade diameter	200 mm

PERFORMANCE

Rated Points

Ambient Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	7.20°C	728 W	292 W	1.71 A	2.49 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	339	190	1.36	1.78
-15	412	205	1.4	2
-5	569	235	1.51	2.42
0	657	253	1.57	2.6
5	755	273	1.63	2.77
7	801	283	1.66	2.83
10	864	298	1.7	2.9

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	309	196	1.41	1.57
-15	375	212	1.45	1.77
-5	516	242	1.55	2.13
0	596	260	1.61	2.29
5	685	281	1.68	2.44
7	728	292	1.71	2.49
10	786	307	1.75	2.56

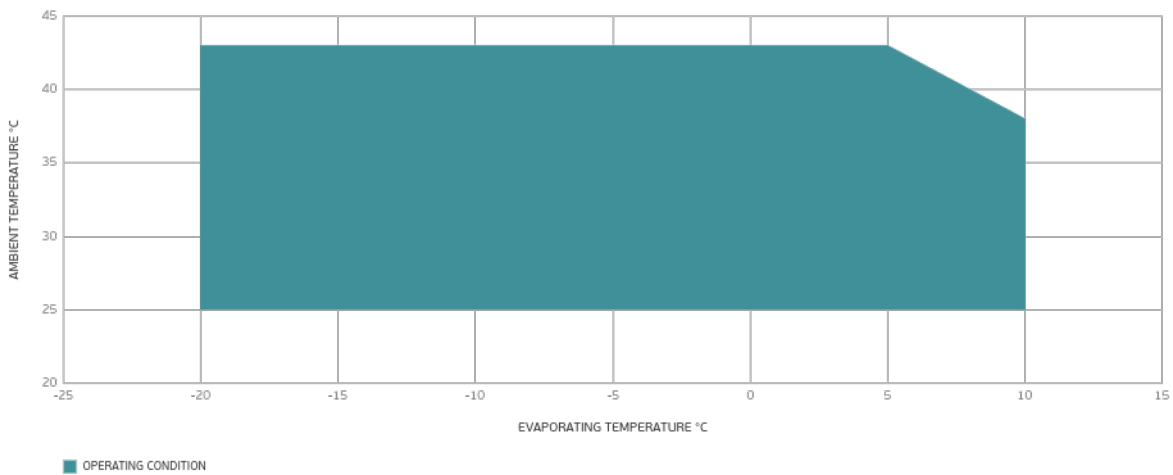
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

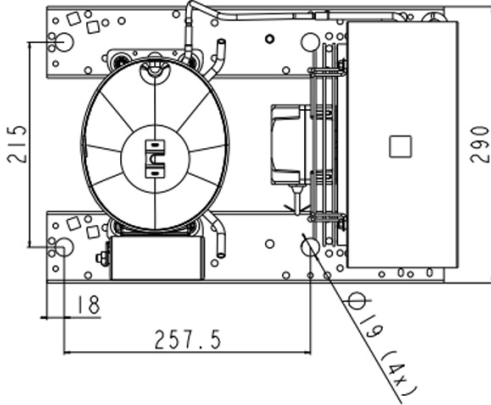
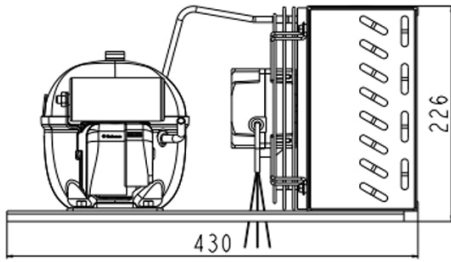
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	262	208	1.49	1.26
-15	318	224	1.53	1.42
-5	439	257	1.64	1.71
0	508	277	1.71	1.84
5	587	300	1.78	1.95
7	625	312	1.82	2
10	676	329	1.86	2.06

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

