

APPROVALS



ENGINEERING CODE
594RA9012AA

APPROVED REFRIGERANT
R134a

POWER SUPPLY
220 - 240V 50Hz ~

STANDARD CONDITIONS
ASHRAE

APPLICATION
M/HBP

COOLING CAPACITY
817 W

EFFICIENCY
2.19 W/W

DATA

General Data

Weight	14.5 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	2.13 A

Spare Parts

Condenser	3R9T	2451205
Fan Kit	10W 230/31/5B	1996699
Compressor	EMT6170Z	194RA67..AR
Electrical Kit	ELCOM EMT6170Z	194RA67F0A

Noise Data

Sound Power Level	61.1 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	53.1 dB (A)	39.1 dB (A)	33.1 dB (A)

Fan Motor

Number	1
Shaft Power	10 W
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	817 W	372 W	2.21 A	2.19 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
-15	387	228	1.79	1.7
-5	594	281	1.92	2.11
0	706	314	2.02	2.25
5	823	351	2.14	2.35
7	877	368	2.2	2.38
10	947	392	2.28	2.42

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
-15	372	235	1.81	1.58
-5	554	286	1.93	1.93
0	656	319	2.03	2.06
5	766	355	2.15	2.16
7	817	372	2.21	2.19
10	885	396	2.29	2.24

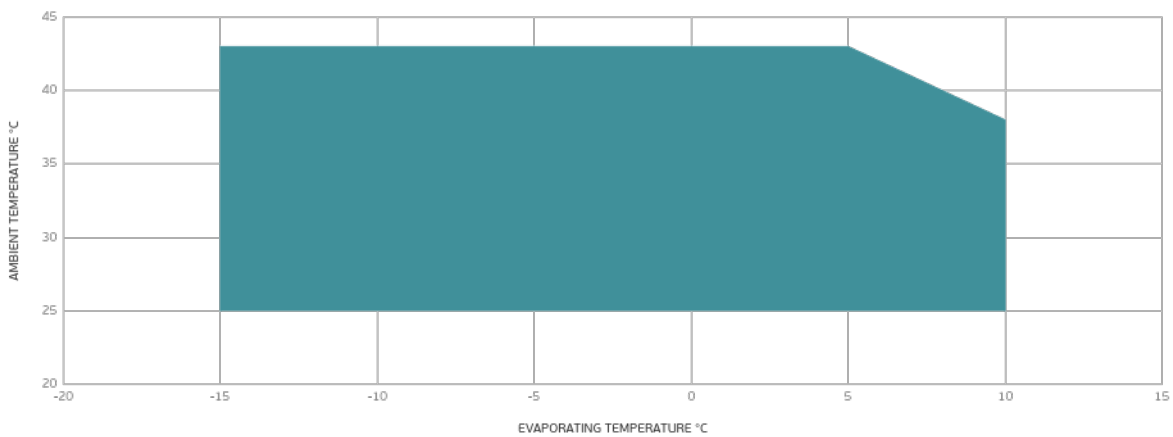
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-15	301	244	1.81	1.23
-5	451	302	1.96	1.5
0	543	337	2.08	1.61
5	647	378	2.21	1.71
7	697	397	2.28	1.75
10	763	423	2.37	1.8

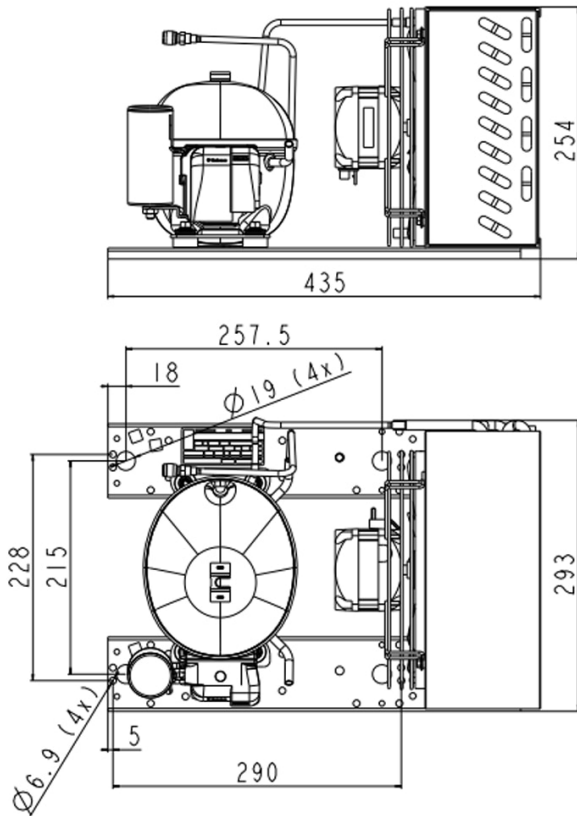
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

Operating Envelope



■ OPERATING CONDITION

External Dimensions



Wiring Diagram

