

APPROVALS



ENGINEERING CODE
594QA5312AA

APPROVED REFRIGERANT
R134a

POWER SUPPLY
220 - 240V 50Hz ~

STANDARD CONDITIONS
ASHRAE

APPLICATION
M/HBP

COOLING CAPACITY
757 W

EFFICIENCY
2.41 W/W

DATA

General Data

Weight	13.7 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)	13.5 A
Max Current	1.87 A

Spare Parts

Condenser	3R9T	2451205
Fan Kit	10W 230/31/5B	1996580
Compressor	EMT6160Z	194QA67..AR
Electrical Kit	ELCOM EMT6160Z	194QA6764A

Noise Data

Sound Power Level	61 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	53 dB (A)	39 dB (A)	33 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	757 W	314 W	1.87 A	2.41 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	369	201	1.48	1.83
-5	548	241	1.6	2.27
0	656	266	1.68	2.47
5	776	292	1.77	2.66
7	833	305	1.81	2.73
10	909	322	1.87	2.82

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	334	207	1.53	1.61
-5	499	249	1.65	2.01
0	598	274	1.73	2.18
5	706	301	1.82	2.34
7	757	314	1.87	2.41
10	825	332	1.93	2.49

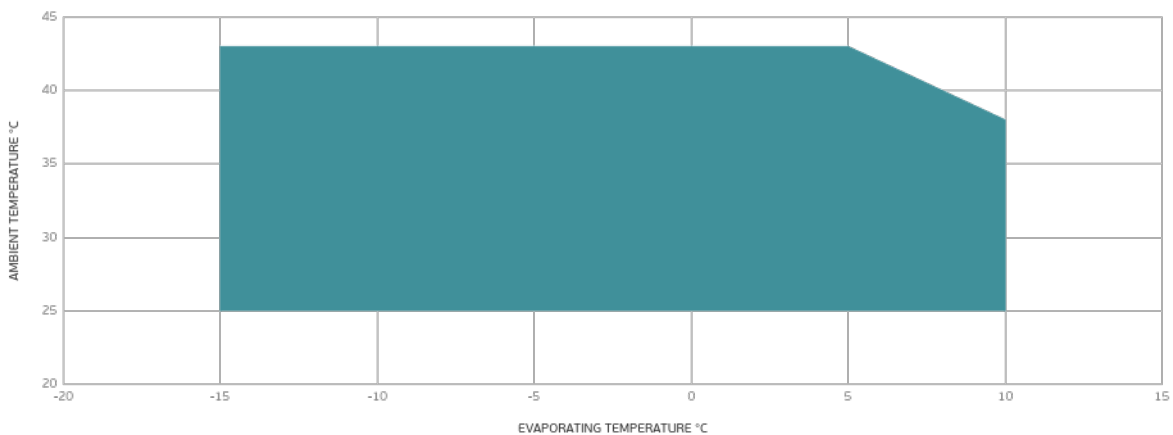
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-15	300	217	1.55	1.38
-5	445	265	1.69	1.68
0	529	294	1.79	1.8
5	620	325	1.91	1.91
7	664	340	1.96	1.95
10	720	359	2.04	2.01

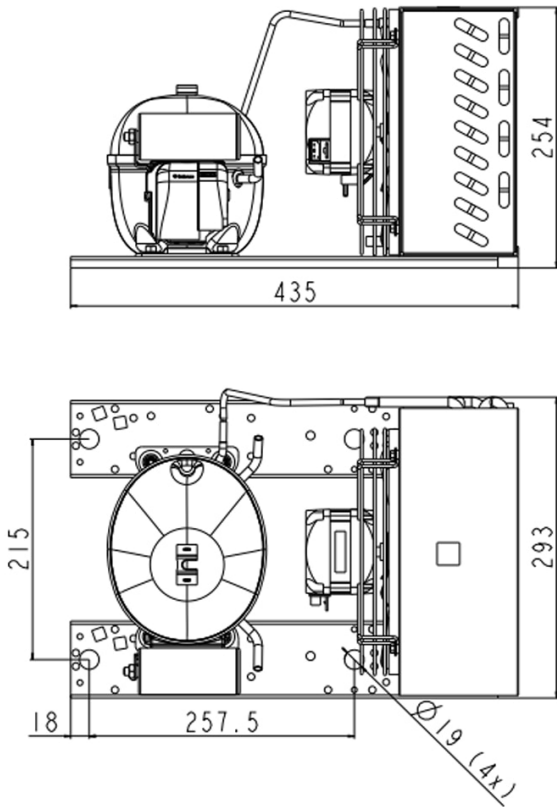
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

Operating Envelope



■ OPERATING CONDITION

External Dimensions



Wiring Diagram

