

APPROVALS



ENGINEERING CODE
594MA9012AA

APPROVED REFRIGERANT
R134a

POWER SUPPLY
220 - 240V 50Hz ~

STANDARD CONDITIONS
ASHRAE

APPLICATION
M/HBP

COOLING CAPACITY
490 W

EFFICIENCY
2.37 W/W

DATA

General Data

Weight	12.6 Kg
Height	226 mm
Length	431 mm
Width	290 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	RSIR
Locked Rotor Amperage (LRA)	5.4 A
Max Current	1.3 A

Spare Parts

Condenser	2R8T	2451207
Fan Kit	10W 200/28/5B	1996581

Fan Motor

Number	1
Shaft Power	10 W
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	490 W	207 W	1.28 A	2.37 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	231	137	1	1.68
-5	358	162	1.09	2.21
0	429	177	1.14	2.43
5	504	193	1.21	2.62
7	539	200	1.24	2.69
10	583	210	1.29	2.77

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	210	142	1.03	1.48
-5	325	167	1.13	1.95
0	390	182	1.18	2.14
5	459	199	1.24	2.31
7	490	207	1.28	2.37
10	530	217	1.33	2.44

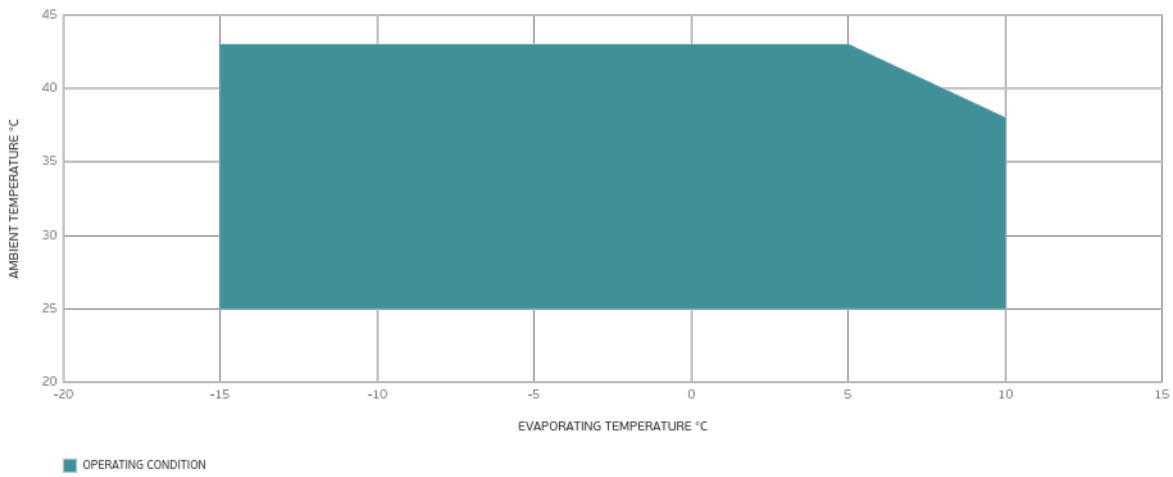
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

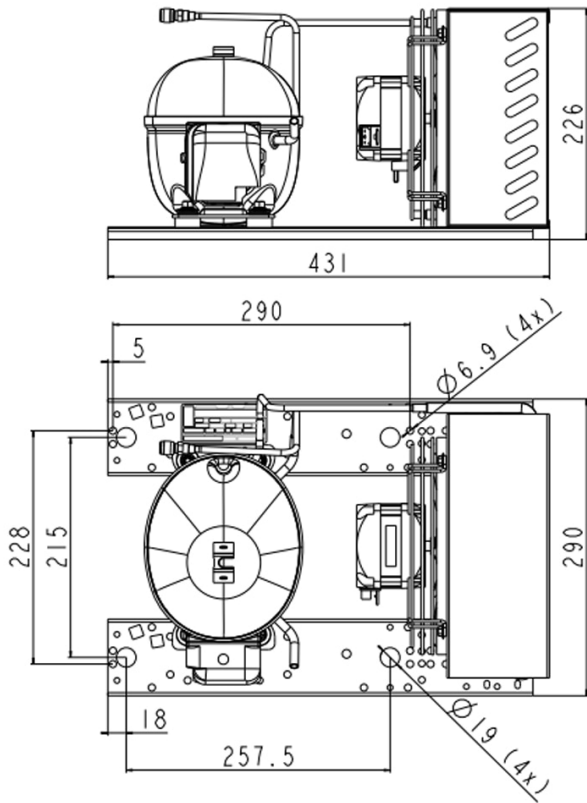
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-15	178	150	1.09	1.19
-5	276	177	1.19	1.56
0	332	193	1.25	1.72
5	391	211	1.33	1.85
7	418	220	1.37	1.9
10	453	231	1.42	1.96

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

