

**APPROVALS**



**ENGINEERING CODE**  
546EM5603AA

**APPROVED REFRIGERANT**  
R134a

**POWER SUPPLY**  
380 - 420V 50Hz ~

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
M/HBP

**COOLING CAPACITY**  
2979 W

**EFFICIENCY**  
2.31 W/W

DATA

**General Data**

Weight	36.5 Kg
Receiver	2.3 L
Height	324 mm
Length	481 mm
Width	410 mm
Power Supply	380 - 420 V 50 Hz

**Electrical Data**

Motor Type	3PH
Locked Rotor Amperage (LRA)	13 A
Max Current	2.4 A

**Spare Parts**

Condenser	3R12T	2451140
Valve Discharge	SOLDER 3/8"	2110049
Valve Suction	SOLDER 5/8"	2110054
Fan Kit	34W/400V 275/31	1996582
Compressor	NJ6226ZX	148IM19..AC

## Noise Data

Sound Power Level	70.3 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	62.3 dB (A)	48.3 dB (A)	42.3 dB (A)

## Fan Motor

Number	1
Shaft Power	34 W
Air Flow	640 m <sup>3</sup> /h
Blade diameter	275 mm

### PERFORMANCE

## Rated Points

Ambient Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	7.20°C	2979 W	1292 W	2.73 A	2.31 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	1462	751	2	1.95
-5	2126	968	2.22	2.2
0	2469	1095	2.39	2.26
5	2978	1210	2.57	2.46
7	3286	1253	2.65	2.62
10	3774	1297	2.75	2.91

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	1347	772	2.06	1.75
-5	1908	1001	2.29	1.91
0	2209	1131	2.46	1.95
5	2684	1248	2.65	2.15
7	2979	1292	2.73	2.31
10	3453	1336	2.84	2.59

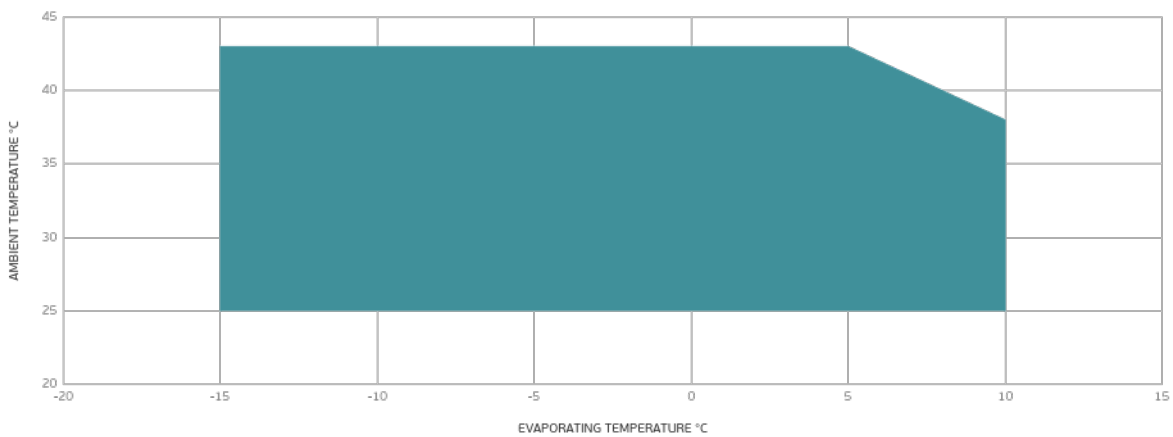
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

### Ambient Temperature 43°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-15	1132	819	2.18	1.38
-5	1632	1060	2.43	1.54
0	1920	1193	2.61	1.61
5	2393	1309	2.81	1.83
7	2690	1351	2.9	1.99
10	3171	1393	3.01	2.28

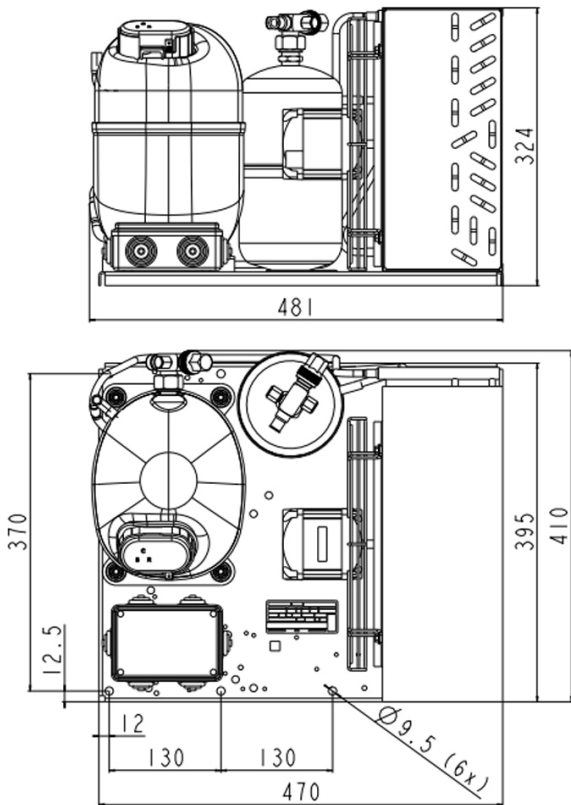
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

### Operating Envelope



■ OPERATING CONDITION

## External Dimensions



## Wiring Diagram

