

**APPROVALS**



**ENGINEERING CODE**  
647AM5603AA

**APPROVED REFRIGERANT**  
R404A

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

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
LBP

**COOLING CAPACITY**  
1568 W

**EFFICIENCY**  
1.38 W/W

DATA

**General Data**

Weight	38.2 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	2.38 A

**Spare Parts**

Condenser	3R12T	2451140
Valve Discharge	SOLDER 3/8"	2110049
Valve Suction	SOLDER 5/8"	2110054
Compressor	NJ2212GS	947AM19..AC
Fan Kit	34W/400V 275/31	1996582

## Noise Data

Sound Power Level	71.5 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	63.5 dB (A)	49.6 dB (A)	43.5 dB (A)

## Fan Motor

Number	1
Shaft Power	34 W
Air Flow	800 m <sup>3</sup> /h
Blade diameter	275 mm

### PERFORMANCE

## Rated Points

Ambient Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	1568 W	1139 W	2.37 A	1.38 W/W

Test Condition ASHRAE: Evaporating temp. -23.30°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
-40	762	600	1.79	1.27
-30	1342	889	2.05	1.51
-25	1639	1049	2.23	1.56
-23	1740	1105	2.29	1.57
-20	1936	1218	2.44	1.59
-15	2231	1397	2.68	1.6
-10	2521	1586	2.96	1.59

Test Condition ASHRAE: Evaporating temp. -23.30°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
-40	724	621	1.84	1.17
-30	1215	916	2.11	1.33
-25	1477	1080	2.3	1.37
-23	1568	1139	2.37	1.38
-20	1747	1255	2.51	1.39
-15	2022	1440	2.77	1.4
-10	2300	1635	3.05	1.41

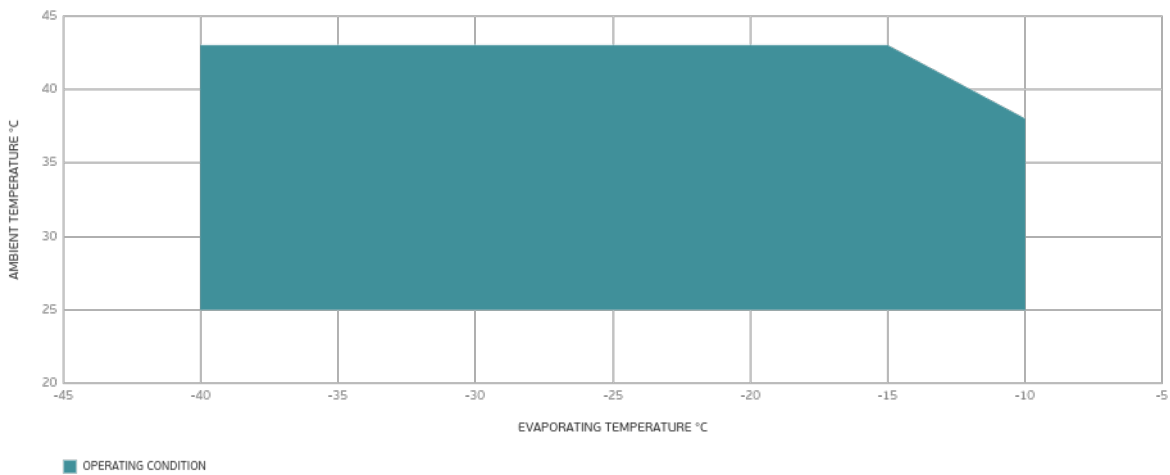
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

### Ambient Temperature 43°C

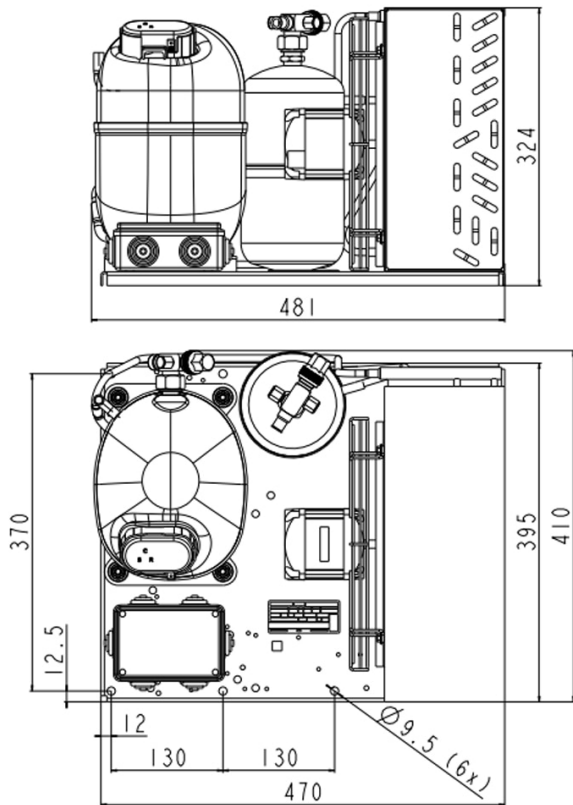
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-40	494	574	1.78	0.86
-30	901	890	2.09	1.01
-25	1139	1066	2.29	1.07
-23	1224	1129	2.37	1.08
-20	1396	1254	2.52	1.11
-15	1670	1454	2.79	1.15
-10	1957	1665	3.09	1.18

Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

### Operating Envelope



## External Dimensions



## Wiring Diagram

