

APPROVALS



ENGINEERING CODE
647AMG603AA

APPROVED REFRIGERANT
R404A

POWER SUPPLY
380 - 420V 50Hz ~

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
3083 W

EFFICIENCY
1.29 W/W

DATA

General Data

Weight	80 Kg
Receiver	2.3 L
Height	311 mm
Length	551 mm
Width	1093 mm
Power Supply	380 - 420 V 50 Hz

Electrical Data

Motor Type	3PH
Locked Rotor Amperage (LRA)	26 A
Max Current	4.76 A

Spare Parts

Valve Discharge	SOLDER 3/8"	2110049
Condenser	4R11T DOUBLE FAN 254	2451210
Fan Kit	34W 254/28/5B	1996695
Compressor	NJ2212GS	947AM95..AC

Fan Motor

Number	1
Shaft Power	34 W
Air Flow	1700 m ³ /h
Blade diameter	254 mm

PERFORMANCE

Rated Points

Ambient Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	3083 W	2382 W	5.13 A	1.29 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	1421	1360	4.13	1.05
-30	2529	1887	4.6	1.34
-25	3126	2204	4.94	1.42
-23	3337	2319	5.08	1.44
-20	3763	2555	5.36	1.47
-15	4449	2941	5.85	1.51
-10	5192	3360	6.42	1.55

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	1168	1374	4.2	0.85
-30	2275	1939	4.66	1.17
-25	2872	2265	5	1.27
-23	3083	2382	5.13	1.29
-20	3508	2620	5.4	1.34
-15	4193	3003	5.89	1.4
-10	4936	3414	6.44	1.45

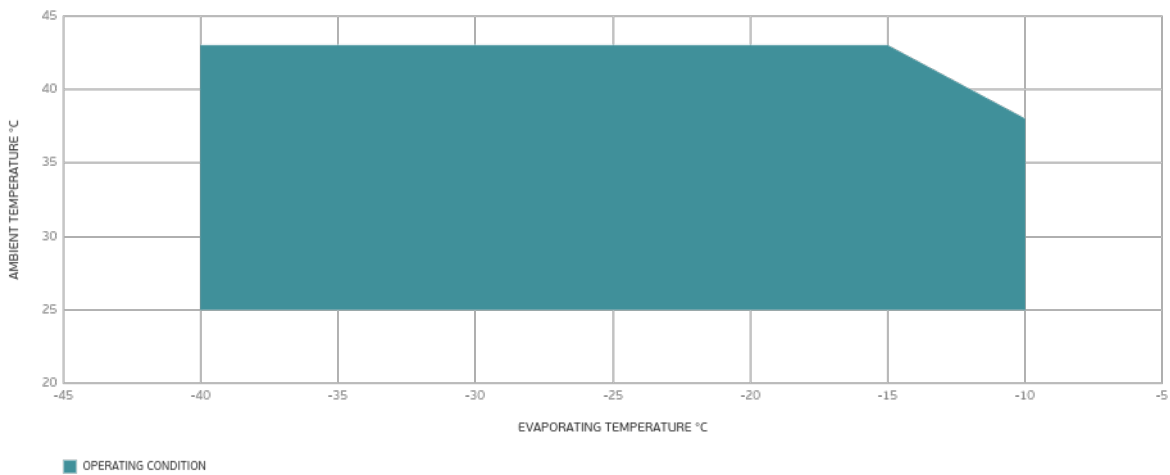
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

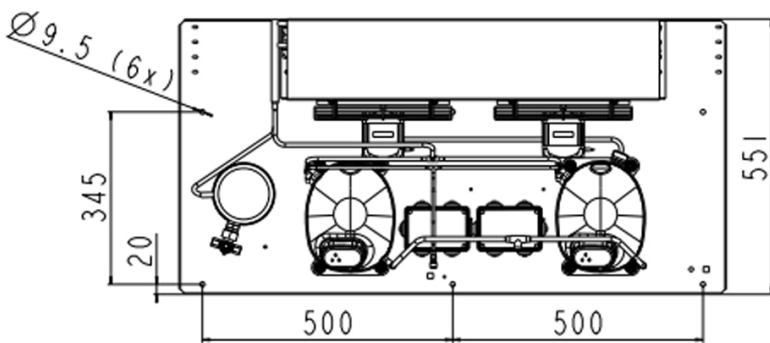
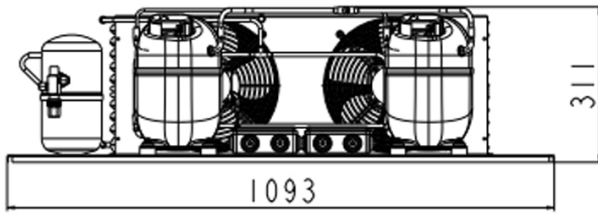
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-40	947	1305	4.08	0.73
-30	1859	1943	4.62	0.96
-25	2357	2292	4.98	1.03
-23	2535	2414	5.13	1.05
-20	2896	2659	5.42	1.09
-15	3483	3046	5.93	1.14
-10	4128	3451	6.5	1.2

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

