




APPROVALS




 **ENGINEERING CODE**
643TA5604AA


 **APPROVED REFRIGERANT**
R404A

 **POWER SUPPLY**
220 - 240V 50Hz ~

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
1644 W

 **EFFICIENCY**
1.35 W/W

DATA

General Data

Weight	38.3 Kg
Receiver	2.3 L
Height	324 mm
Length	481 mm
Width	410 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	CSR
Locked Rotor Amperage (LRA)	36 A
Max Current	6.5 A

Spare Parts

Condenser	3R12T	2451140
Fan Kit	34W 275/31/5B	1996583
Valve Discharge	SOLDER 3/8"	2110049
Valve Suction	SOLDER 5/8"	2110054
Compressor	NJ2212GK	943DA19..AC
Electrical Kit	ELKOM NJ2212GK	943DA1904A

Noise Data

Sound Power Level	71.3 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	63.3 dB (A)	49.3 dB (A)	43.3 dB (A)

Fan Motor

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

PERFORMANCE

Rated Points

Ambient Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	1644 W	1219 W	6.23 A	1.35 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	857	770	4.35	1.11
-30	1409	1000	5.27	1.41
-25	1714	1149	5.92	1.49
-23	1823	1205	6.16	1.51
-20	2042	1321	6.68	1.55
-15	2396	1517	7.56	1.58
-10	2779	1735	8.56	1.6

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	667	740	4.28	0.9
-30	1224	998	5.29	1.23
-25	1533	1159	5.97	1.32
-23	1644	1219	6.23	1.35
-20	1868	1342	6.77	1.39
-15	2231	1547	7.69	1.44
-10	2624	1773	8.71	1.48

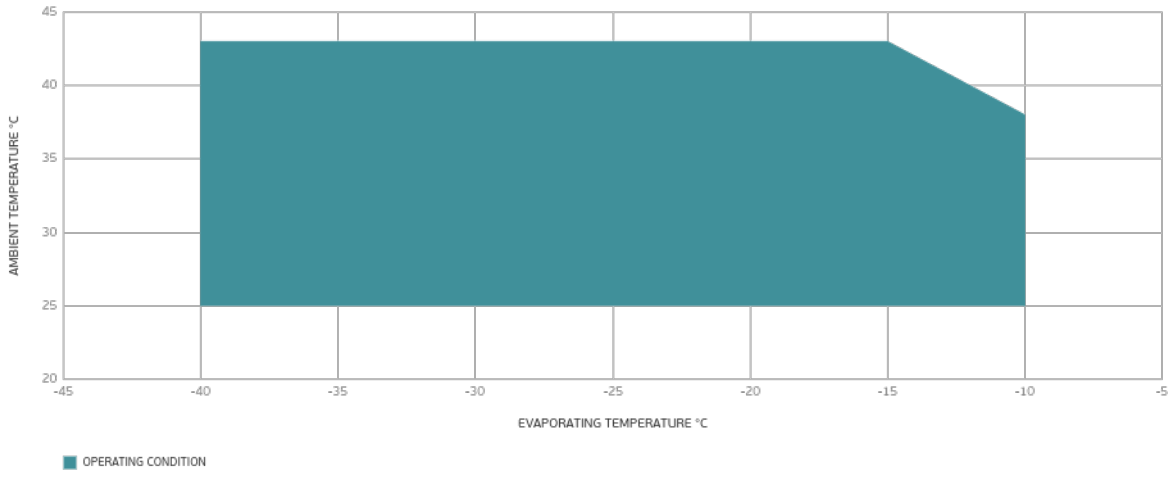
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

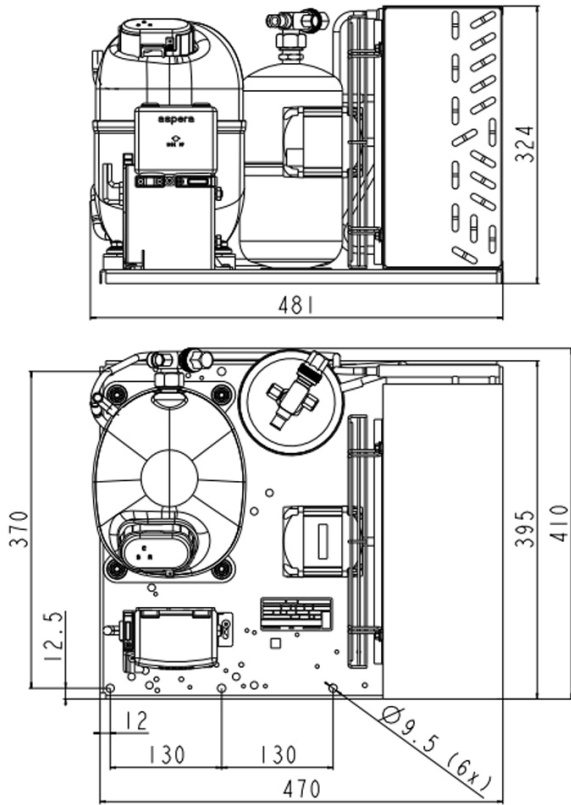
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-40	539	730	4.19	0.74
-30	975	1031	5.4	0.95
-25	1229	1210	6.18	1.02
-23	1322	1275	6.47	1.04
-20	1511	1409	7.07	1.07
-15	1825	1628	8.07	1.12
-10	2172	1867	9.18	1.16

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

