


APPROVALS




 **ENGINEERING CODE**
503HA5612AA

 **APPROVED REFRIGERANT**
R404A

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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
1009 W

 **EFFICIENCY**
1.33 W/W

DATA

General Data

Weight	28.6 Kg
Receiver	1.2 L
Height	296 mm
Length	474 mm
Width	340 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	CSIR
Locked Rotor Amperage (LRA)	35 A
Max Current	5.8 A

Spare Parts

Valve Discharge	SOLDER 1/4"	2110047
Fan Kit	16W 254/28/5B	1996579
Condenser	4R11T	2451217
Valve Suction	SOLDER 3/8"	2110049
Electrical Kit	ELKOM NT2180GK	923HA0412A
Compressor	NT2180GK	923HA09..AC

Noise Data

Sound Power Level	65.5 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	57.5 dB (A)	43.5 dB (A)	37.5 dB (A)

Fan Motor

Number	1
Shaft Power	16 W
Air Flow	460 m ³ /h
Blade diameter	254 mm

PERFORMANCE

Rated Points

Ambient Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	1009 W	758 W	5.08 A	1.33 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	514	504	4.34	1.02
-30	824	627	4.73	1.32
-25	1001	699	4.96	1.43
-23	1064	727	5.04	1.47
-20	1192	784	5.23	1.52
-15	1394	884	5.58	1.58
-10	1607	1002	6.02	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	457	498	4.31	0.92
-30	768	648	4.74	1.18
-25	945	729	4.99	1.3
-23	1009	758	5.08	1.33
-20	1137	818	5.29	1.39
-15	1341	919	5.66	1.46
-10	1556	1035	6.12	1.5

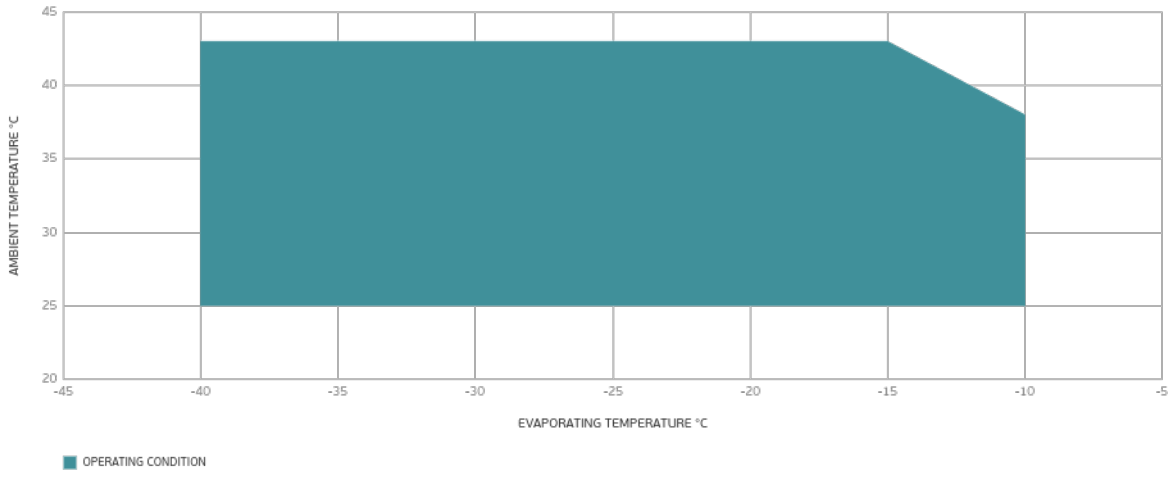
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

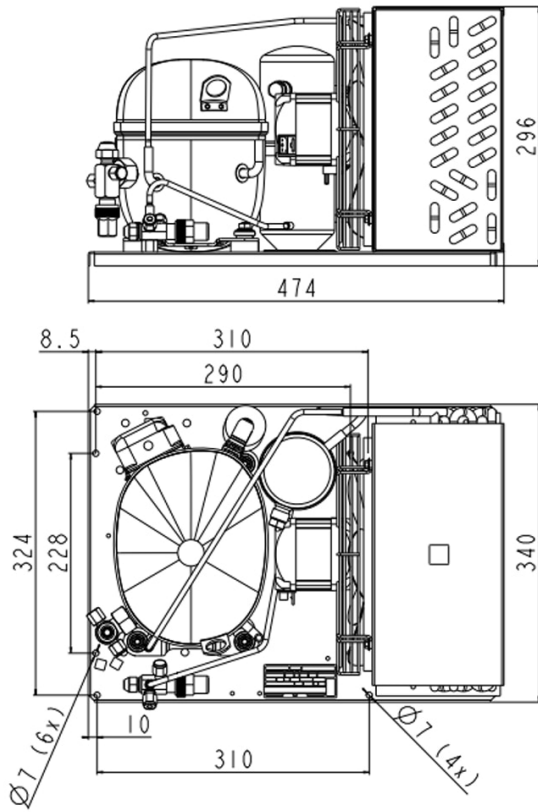
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-40	319	476	4.31	0.67
-30	602	671	4.8	0.9
-25	766	766	5.08	1
-23	825	799	5.19	1.03
-20	945	864	5.41	1.09
-15	1136	967	5.82	1.17
-10	1339	1080	6.32	1.24

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

