


APPROVALS




 **ENGINEERING CODE**
502EA5212AA

 **APPROVED REFRIGERANT**
R404A

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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
846 W

 **EFFICIENCY**
1.31 W/W

DATA

General Data

Weight	27.5 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)	25 A
Max Current	4.24 A

Spare Parts

Valve Discharge	FLARE 1/4"	2110025
Fan Kit	16W 254/28/5B	1996579
Condenser	4R11T	2451217
Valve Suction	FLARE 3/8"	2110056
Compressor	NT2178GK	922EA09..AC
Electrical Kit	ELKOM NT2178GK	922EA0413A

Noise Data

Sound Power Level	65 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	57 dB (A)	43.1 dB (A)	37 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	846 W	648 W	4.19 A	1.31 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	422	414	3.49	1.02
-30	711	536	3.83	1.33
-25	891	607	4.06	1.47
-23	957	632	4.15	1.51
-20	1093	684	4.33	1.6
-15	1320	766	4.65	1.72
-10	1569	855	5	1.83

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	360	409	3.48	0.88
-30	622	542	3.84	1.15
-25	785	620	4.09	1.27
-23	846	648	4.19	1.31
-20	969	704	4.4	1.38
-15	1176	796	4.75	1.48
-10	1403	894	5.16	1.57

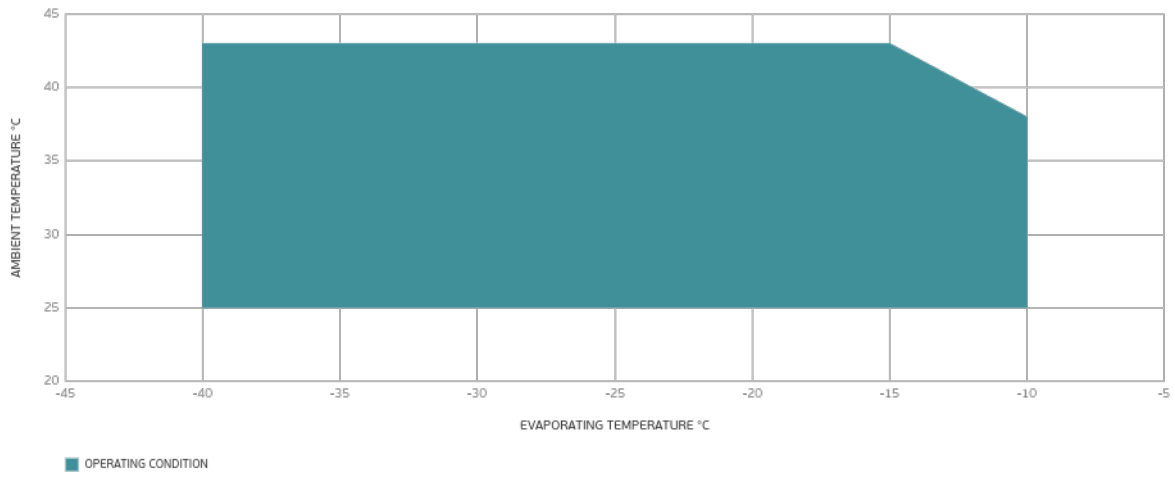
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

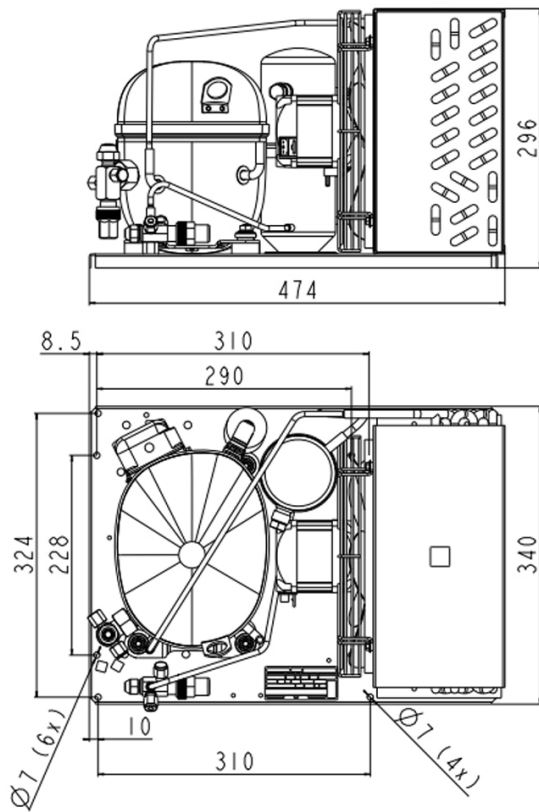
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-40	249	405	3.48	0.61
-30	451	557	3.88	0.81
-25	580	647	4.18	0.9
-23	628	679	4.29	0.93
-20	727	744	4.53	0.98
-15	893	851	4.96	1.05
-10	1077	966	5.44	1.11

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

