

APPROVALS



 **ENGINEERING CODE**

563IA0604AA

 **APPROVED REFRIGERANT**

R290

 **POWER SUPPLY**

220 - 240V 50Hz ~

 **STANDARD CONDITIONS**

ASHRAE

 **APPLICATION**

LBP

 **COOLING CAPACITY**

806 W

 **EFFICIENCY**

1.62 W/W

DATA

General Data

Weight	21.3 Kg
Receiver	1.1 L
Height	296 mm
Length	494 mm
Width	340 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	CSR
Locked Rotor Amperage (LRA)	21 A
Max Current	3.45 A

Spare Parts

Fan Kit	IQ3612 254/28/5P	1996703
Valve Suction	SOLDER 3/8"	2110046
Valve Discharge	SOLDER 1/4"	2110047
Condenser	4R11T	2451217
Compressor	NEU2168U	863IA51..AN
Electrical Kit	ELKOM NEU2168U	863IA5190A

Fan Motor

Number	1
Shaft Power	-
Air Flow	595 m ³ /h
Blade diameter	254 mm

PERFORMANCE

Rated Points

Ambient Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	806 W	497 W	2.46 A	1.62 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	434	319	1.74	1.36
-30	682	409	2.08	1.67
-25	832	462	2.31	1.8
-23	887	482	2.39	1.84
-20	999	522	2.56	1.91
-15	1183	588	2.86	2.01
-10	1383	661	3.18	2.09

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	397	329	1.79	1.21
-30	620	421	2.15	1.47
-25	756	477	2.38	1.59
-23	806	497	2.46	1.62
-20	908	538	2.64	1.69
-15	1075	607	2.94	1.77
-10	1258	681	3.28	1.85

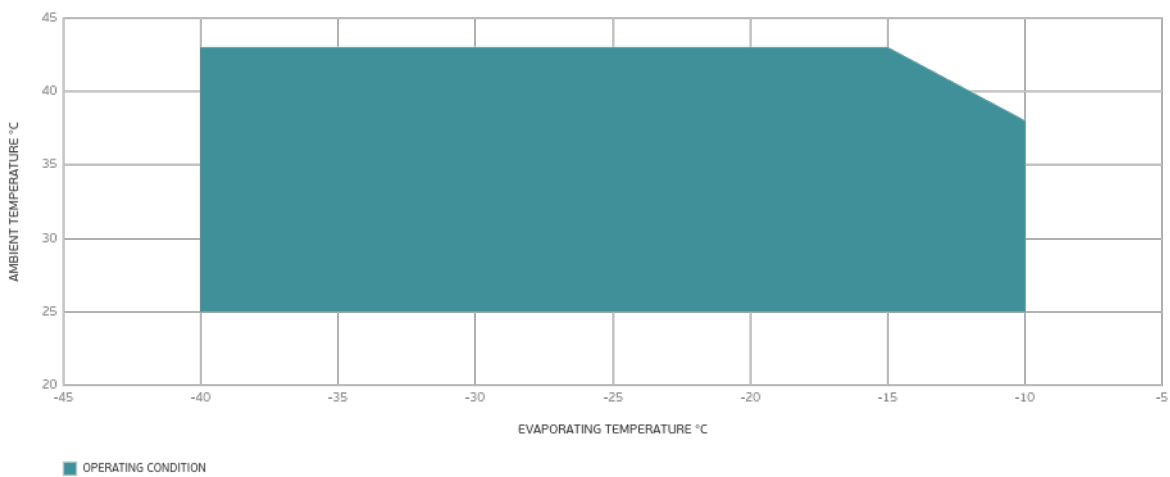
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

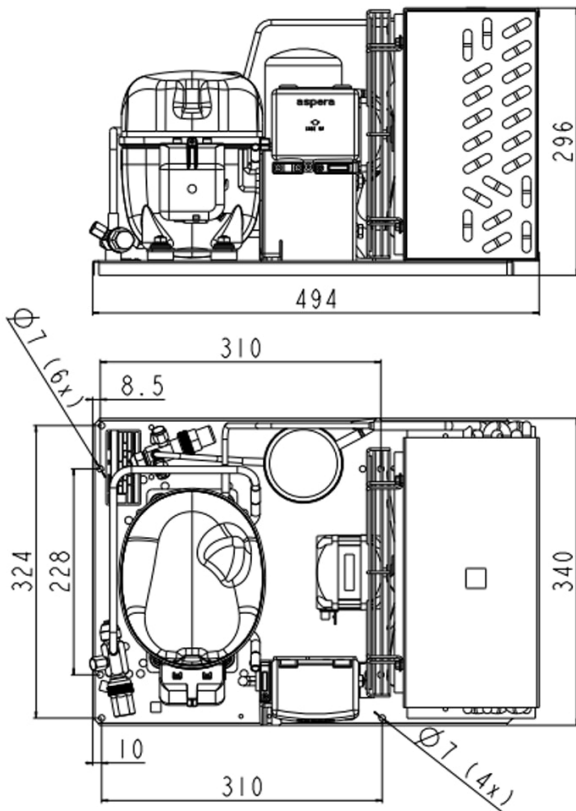
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-40	319	341	1.84	0.94
-30	520	445	2.25	1.17
-25	642	507	2.51	1.27
-23	687	530	2.61	1.3
-20	778	575	2.81	1.35
-15	929	650	3.15	1.43
-10	1093	731	3.52	1.5

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

