




**APPROVALS**




 **ENGINEERING CODE**  
643NAL804AA

 **APPROVED REFRIGERANT**  
R452A

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

 **STANDARD CONDITIONS**  
EN13215\_RG20

 **APPLICATION**  
M/HBP

 **COOLING CAPACITY**  
2047 W

 **EFFICIENCY**  
1.64 W/W

DATA

## General Data

<b>Weight</b>	41.5 Kg
<b>Receiver</b>	3.9 L
<b>Height</b>	372 mm
<b>Length</b>	600 mm
<b>Width</b>	440 mm
<b>Power Supply</b>	220 - 240 V 50 Hz

## Electrical Data

<b>Motor Type</b>	CSR
<b>Locked Rotor Amperage (LRA)</b>	43 A
<b>Max Current</b>	8.12 A

## Spare Parts

Valve Discharge	SOLDER 3/8"	2110049
Valve Suction	SOLDER 5/8"	2110054
Fan Kit	S4E300-XX	1996589
Dryer	FILTER DRYER 3/8" SAE	2730016
Sight Glass	SIGHT GLASS 3/8" SAE	2464232
Compressor	NJ9232GK	943NA19..AC
Condenser	3R14T	2451198
Electrical Kit	ELKOM NJ9232GK	943NA1904A

## Noise Data

Sound Power Level	70.9 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	62.9 dB (A)	48.9 dB (A)	42.9 dB (A)

## Fan Motor

Number	1
Shaft Power	95 W
Air Flow	1450 m <sup>3</sup> /h
Blade diameter	300 mm

## PERFORMANCE

## Rated Points

Ambient Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	2047 W	1251 W	5.97 A	1.64 W/W

Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 32.00°C, Return Gas 20 °C, Subcooling 3K

## Performance Curve Data

### Ambient Temperature 25°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	1569	1014	4.9	1.55
-15	1938	1110	5.29	1.74
-10	2326	1219	5.78	1.91
-5	2735	1340	6.34	2.04
0	3169	1473	6.98	2.15
5	3629	1619	7.67	2.24
10	4117	1778	8.41	2.32

Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 25.00°C, Return Gas 20 °C, Subcooling 3K

### Ambient Temperature 32°C

Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	1350	1030	5.04	1.31
-15	1692	1135	5.47	1.49
-10	2047	1251	5.97	1.64
-5	2420	1378	6.52	1.76
0	2812	1515	7.12	1.86
5	3226	1664	7.76	1.94
10	3663	1823	8.42	2.01

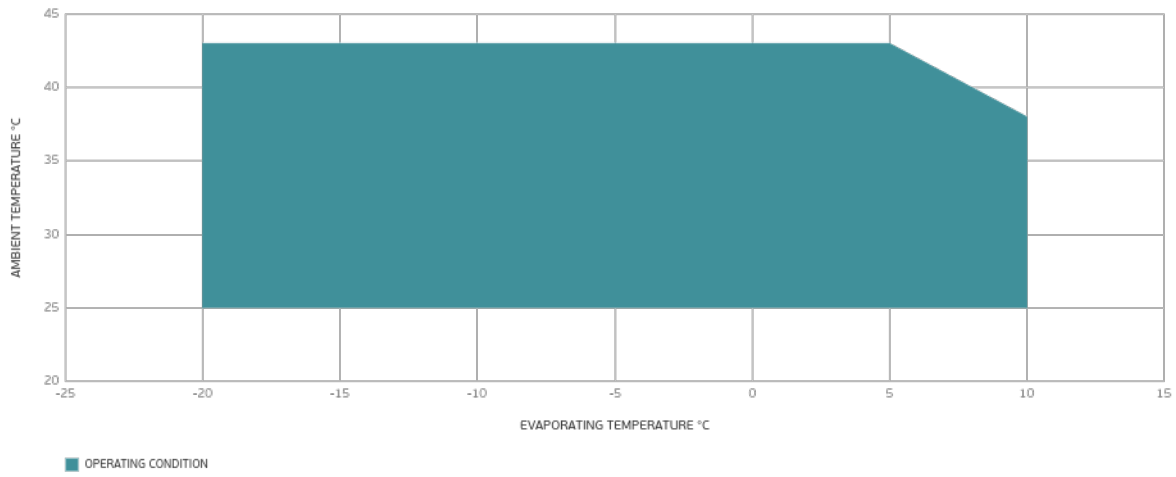
Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 32.00°C, Return Gas 20 °C, Subcooling 3K

### Ambient Temperature 43°C

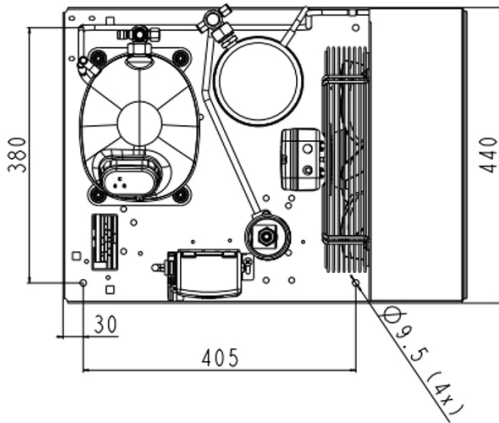
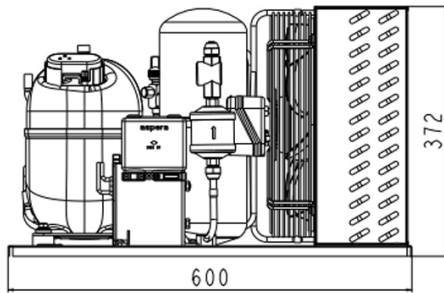
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-20	1021	1042	4.99	0.98
-15	1309	1164	5.56	1.12
-10	1605	1294	6.16	1.24
-5	1910	1433	6.79	1.33
0	2226	1579	7.43	1.41
5	2556	1734	8.07	1.47
10	2901	1898	8.69	1.53

Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 43.00°C, Return Gas 20 °C, Subcooling 3K

## Operating Envelope



## External Dimensions



## Wiring Diagram

