



**APPROVALS**




 **ENGINEERING CODE**  
644HA5204AA

 **APPROVED REFRIGERANT**  
R134a

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

 **STANDARD CONDITIONS**  
ASHRAE

 **APPLICATION**  
M/HBP

 **COOLING CAPACITY**  
2522 W

 **EFFICIENCY**  
2.31 W/W

DATA

### General Data

<b>Weight</b>	33.5 Kg
<b>Receiver</b>	2.3 L
<b>Height</b>	324 mm
<b>Length</b>	481 mm
<b>Width</b>	410 mm
<b>Power Supply</b>	220 - 240 V 50 Hz

### Electrical Data

<b>Motor Type</b>	CSR
<b>Locked Rotor Amperage (LRA)</b>	35 A
<b>Max Current</b>	6.45 A

## Spare Parts

Condenser	3R12T	2451140
Fan Kit	34W 275/31/5B	1996583
Valve Discharge	FLARE 3/8"	2110056
Valve Suction	FLARE 1/2"	2110057
Compressor	NJ6220Z	144HA19..AC
Electrical Kit	ELKOM NJ6220Z	144HA1904V

## Noise Data

Sound Power Level	72.1 dB (A)	-	-
Sound Pressure Level	at 1 m	at 5 m	at 10 m
	64.1 dB (A)	50.1 dB (A)	44.1 dB (A)

## Fan Motor

Number	1
Shaft Power	34 W
Air Flow	640 m <sup>3</sup> /h
Blade diameter	275 mm

## PERFORMANCE

## Rated Points

Ambient Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	7.20°C	2522 W	1092 W	6.86 A	2.31 W/W

Test Condition ASHRAE: Evaporating temp. 7.20°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
-15	1167	665	5.53	1.76
-5	1804	813	5.94	2.22
0	2180	901	6.22	2.42
5	2590	998	6.55	2.59
7	2782	1044	6.7	2.66
10	3036	1105	6.91	2.75

Test Condition ASHRAE: Evaporating temp. 7.20°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
-15	1052	679	5.57	1.55
-5	1636	844	6.04	1.94
0	1977	940	6.34	2.1
5	2349	1044	6.69	2.25
7	2522	1092	6.86	2.31
10	2751	1156	7.09	2.38

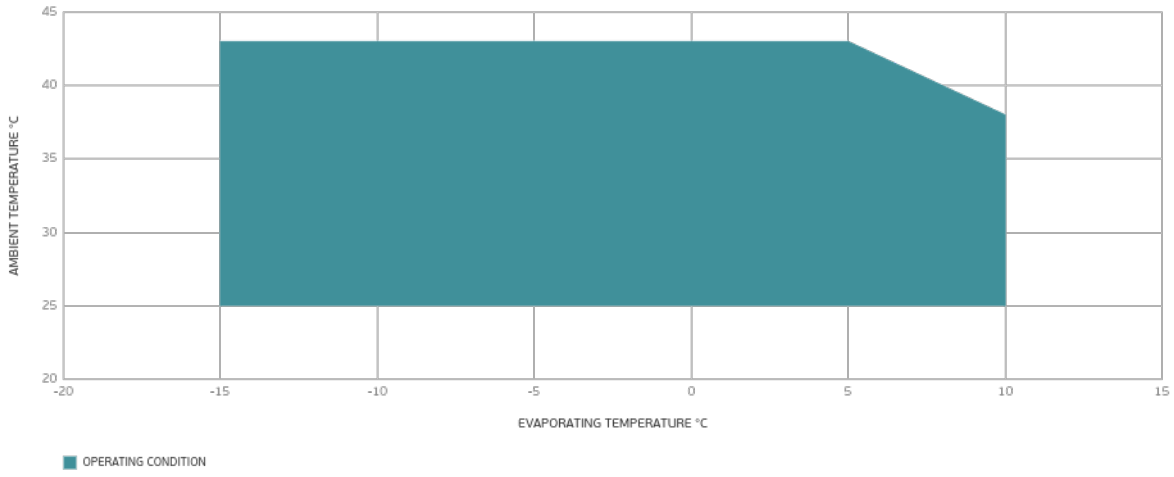
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

### Ambient Temperature 43°C

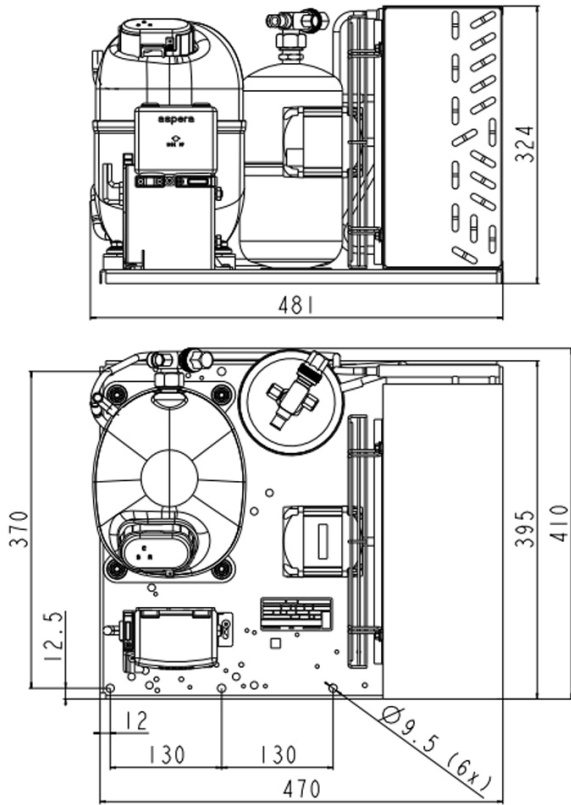
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-15	848	697	5.62	1.22
-5	1378	882	6.13	1.56
0	1681	986	6.47	1.7
5	2006	1098	6.84	1.83
7	2157	1149	7.02	1.88
10	2354	1217	7.26	1.93

Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

## Operating Envelope



## External Dimensions



## Wiring Diagram

