


APPROVALS



 **ENGINEERING CODE**
594LA5312AA

 **APPROVED REFRIGERANT**
R134a

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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
M/HBP

 **COOLING CAPACITY**
445 W

 **EFFICIENCY**
2.43 W/W

DATA

General Data

Weight	13.5 Kg
Height	226 mm
Length	431 mm
Width	290 mm
Power Supply	220 - 240 V 50 Hz

Electrical Data

Motor Type	CSIR
Locked Rotor Amperage (LRA)	8.8 A
Max Current	1.62 A

Spare Parts

Condenser	2R8T	2451207
Fan Kit	10W 200/28/5B	1996581
Compressor	EMT45HDR	194LA47..AR
Electrical Kit	ELKOM EMT45HDR	194LA47F0A

Fan Motor

Number	1
Shaft Power	10 W
Air Flow	300 m ³ /h
Blade diameter	200 mm

PERFORMANCE

Rated Points

Ambient Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
32.00°C	7.20°C	445 W	183 W	1.18 A	2.43 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	212	130	1.03	1.62
-5	320	151	1.07	2.12
0	382	161	1.1	2.37
5	454	172	1.13	2.64
7	489	177	1.14	2.76
10	540	184	1.16	2.93

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	193	135	1.06	1.44
-5	290	156	1.1	1.86
0	346	166	1.13	2.08
5	411	178	1.16	2.32
7	445	183	1.18	2.43
10	491	190	1.2	2.58

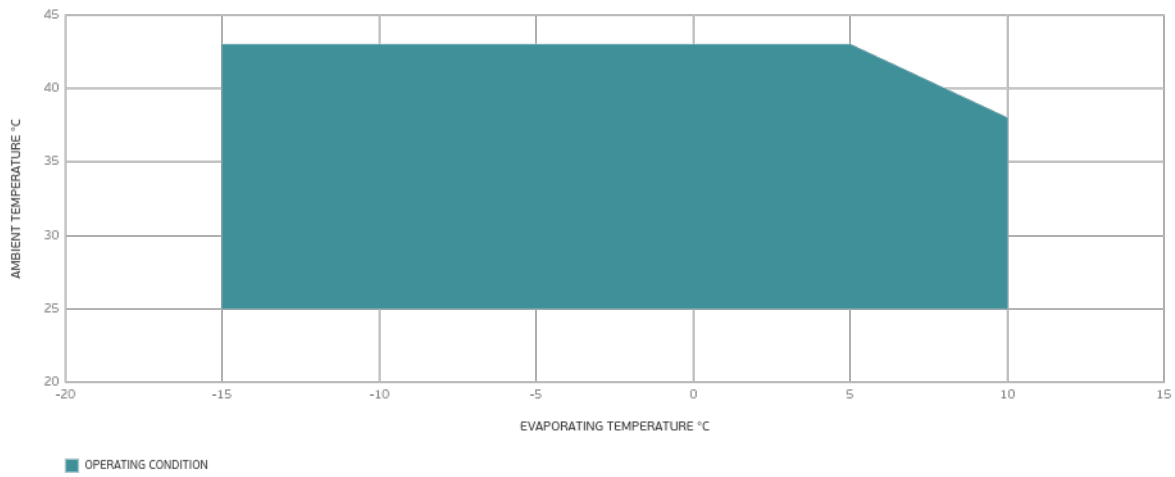
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

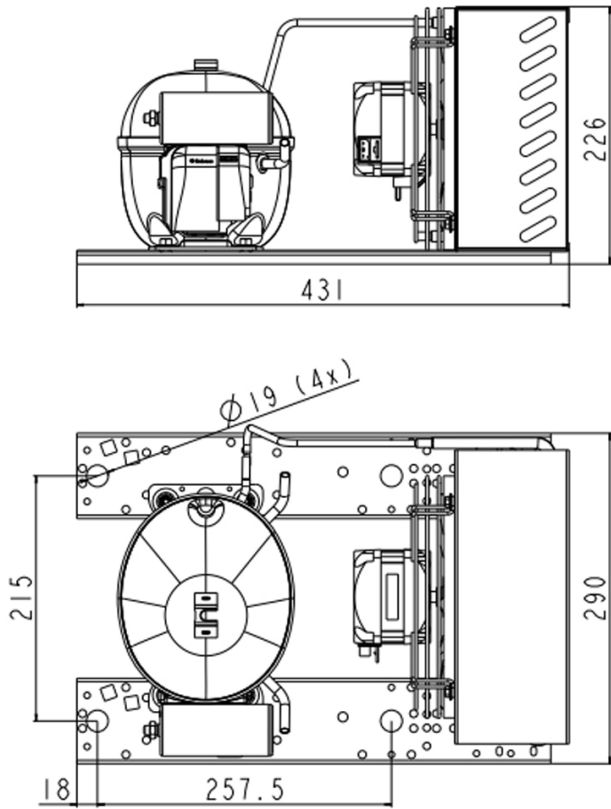
Evaporating Temperature °C	Cooling Capacity W	Power Consumption W	Current A	Efficiency W/W
-15	164	143	1.12	1.15
-5	247	165	1.17	1.49
0	296	176	1.2	1.68
5	355	189	1.23	1.88
7	385	195	1.25	1.98
10	428	203	1.28	2.11

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

