



APPROVALS



 **ENGINEERING CODE**
262AK50

 **APPROVED REFRIGERANT**
R-134a

 **POWER SUPPLY**
200-220 V 50 Hz

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
253 W (LBP)

 **EFFICIENCY**
1.27 W/W (LBP)

 **MOTOR TYPE**
RSIR

 **STARTING TORQUE**
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	9.26 cm ³
Compressor Cooling	Fan/NotControlled/230
Fan Air Flow	520 m ³ /h
Expansion Device	Capillary Tube
Horse Power	1/4 hp
Max Condensing Pressure Operating	13.92 bar
Max Condensing Pressure Peak	15.62 bar
Power Supply	200-220 V 50 Hz / 230 V 60 Hz
Evaporating Temperature Range	-30 °C to -5 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	29.92 Ω at 25° C
Run Winding Resistance	5.96 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	350 g
Oil Charge	350 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	10.95 Kg
Free Internal Volume	2.1 L

Electrical Components

Description	
Starting Device	Relay MTRP-45*
Motor Protection	T0057/G5

External Characteristics

Base Plate	European	
Tray Holder	No	
Height	200 mm	
Connector	Internal Diameter	Shape
Suction	8.1 mm	Slanted 42°/Copper
Discharge	6.1 mm	Straight/Copper
Process	6.1 mm	Slanted 42°/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	254 W	199 W	1.72 A	4.92 kg/h	1.27 W/W

Test Condition: ASHRAELBP32, Fan/NotControlled/230, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C , Liquid 32.2°C, Subcooling 22.2K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-30	199	162	1.54	3.84	1.22
-25	264	183	1.64	5.12	1.44
-20	342	205	1.75	6.65	1.67
-15	434	227	1.86	8.46	1.91
-10	540	250	1.99	10.57	2.16
-5	662	274	2.13	13.00	2.42

Test Condition: ASHRAELBP32, Fan/NotControlled/230, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-30	184	161	1.56	3.55	1.14
-25	247	186	1.66	4.78	1.33
-20	323	211	1.78	6.28	1.53
-15	414	238	1.92	8.06	1.74
-10	520	267	2.07	10.16	1.95
-5	642	297	2.25	12.60	2.16

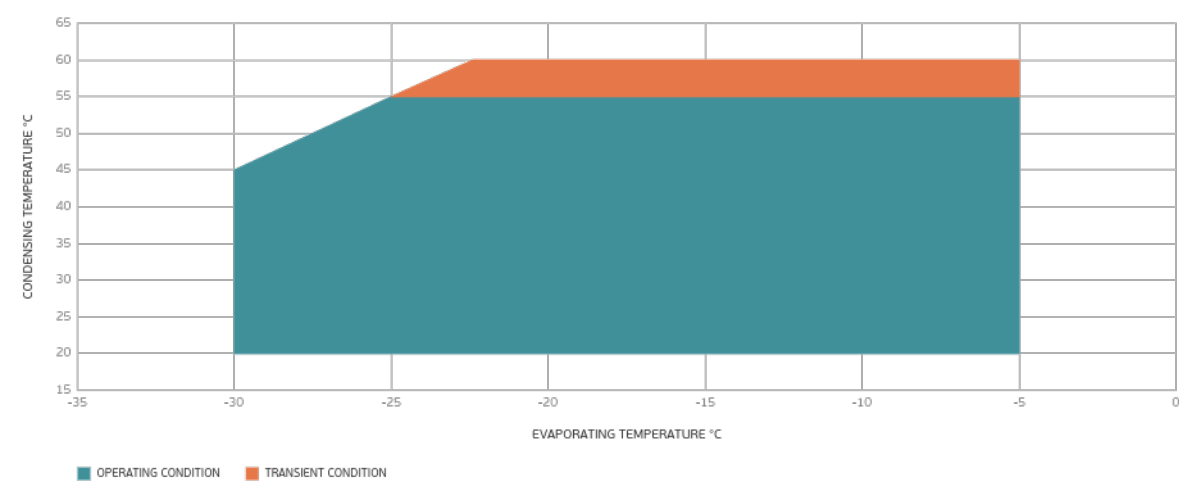
Test Condition: ASHRAELBP32, Fan/NotControlled/230, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

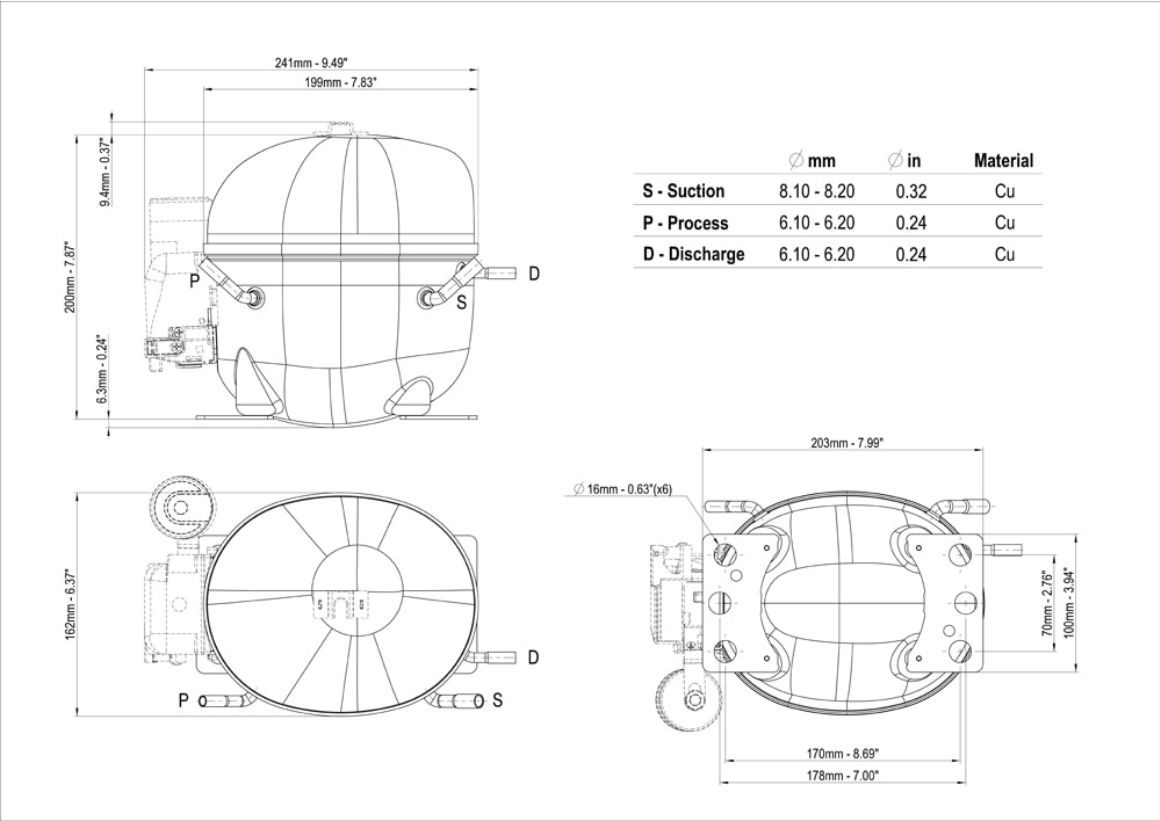
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-25	230	189	1.68	4.46	1.22
-20	304	217	1.81	5.90	1.4
-15	392	248	1.97	7.65	1.59
-10	497	280	2.15	9.72	1.77
-5	618	316	2.36	12.14	1.96

Test Condition: ASHRAELBP32, Fan/NotControlled/230, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

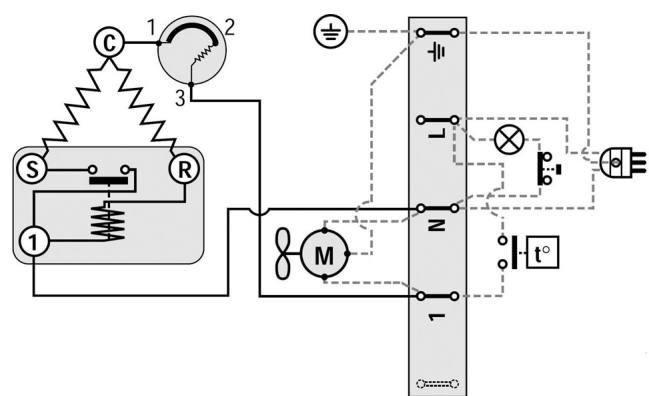
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

