

APPROVALS



ENGINEERING CODE
262CA50

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
324 W

EFFICIENCY
1.32 W/W

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	12.11 cm ³
Compressor Cooling	Fan
Fan Air Flow	520 m ³ /h
Expansion Device	Capillary Tube
Horse Power	1/3 hp
Max Condensing Pressure Operating	13.92 bar
Max Condensing Pressure Peak	15.62 bar
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-30 °C to -5 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	31.5 Ω at 25° C
Run Winding Resistance	6.4 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	350 g
Oil Charge	350 ml
Oil Type Configuration	Polyolester
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	10.6 Kg
Free Internal Volume	2.1 L

Electrical Components

	Description
Starting Device	Current relay MTRPH-0028-60
Motor Protection	External 4TM757NFBYY-153

External Characteristics

Base Plate	European	
Tray Holder	Yes	
Height	200 mm	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42°
Discharge	4.86 mm	Straight
Process	6.1 mm	Slanted 42°

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	324 W	245 W	1.44 A	6.30 kg/h	1.32 W/W

Test Condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to ASHRAE guideline polynomial curve.

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	251	194	1.28	4.88	1.3
-25	334	218	1.44	6.48	1.53
-20	432	247	1.6	8.40	1.75
-15	548	279	1.77	10.67	1.96
-10	680	315	1.93	13.29	2.16
-5	828	355	2.1	16.26	2.33

Test Condition: ASHRAE, Fan, LBP. Data in accordance to ASHRAE guideline polynomial curve.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-30	236	196	1.2	4.58	1.2
-25	314	226	1.4	6.09	1.39
-20	409	259	1.6	7.94	1.58
-15	521	296	1.79	10.16	1.76
-10	652	337	1.99	12.74	1.94
-5	800	381	2.19	15.70	2.1

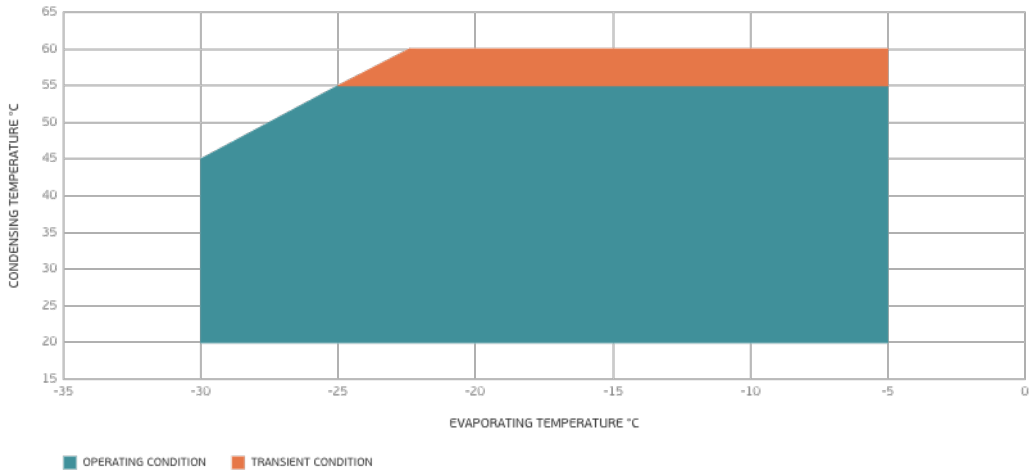
Test Condition: ASHRAE, Fan, LBP. Data in accordance to ASHRAE guideline polynomial curve.

Condensing Temperature 55°C

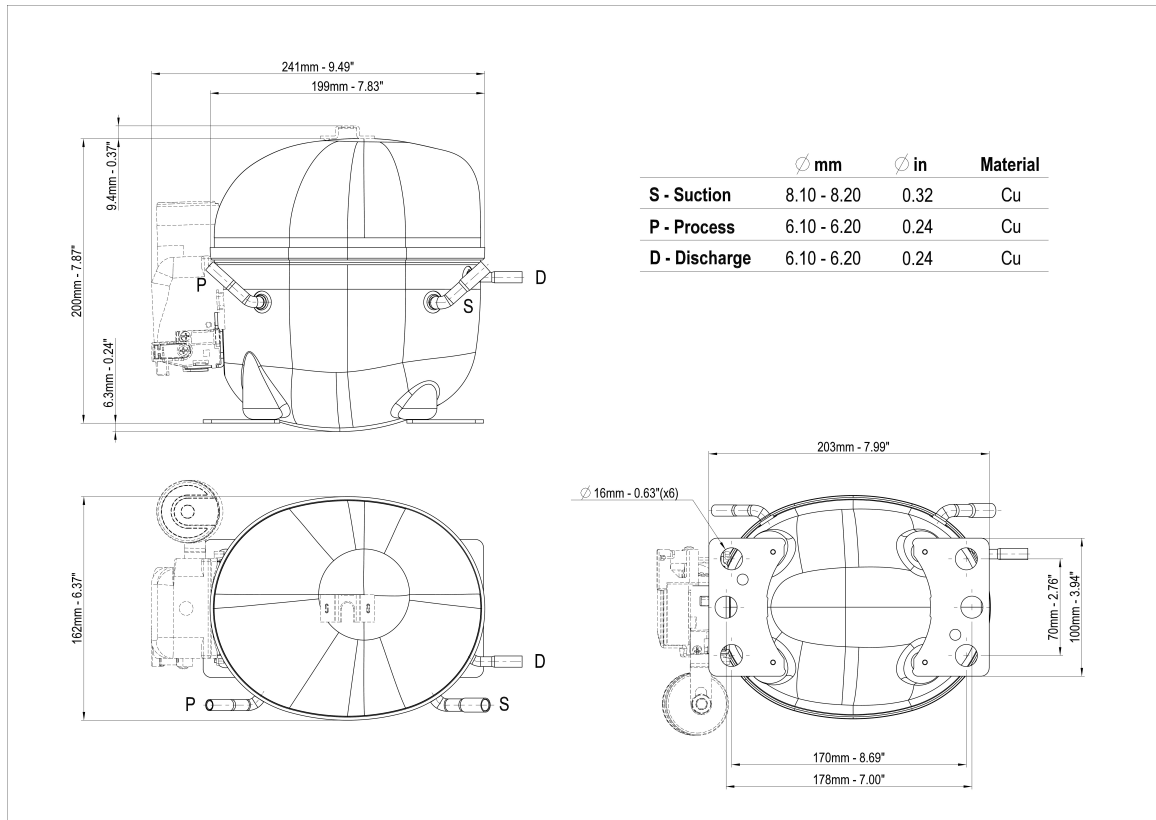
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-25	294	233	1.37	5.71	1.26
-20	386	271	1.6	7.49	1.42
-15	496	312	1.83	9.66	1.59
-10	625	358	2.06	12.21	1.75
-5	772	407	2.28	15.16	1.9

Test Condition: ASHRAE, Fan, LBP. Data in accordance to ASHRAE guideline polynomial curve.

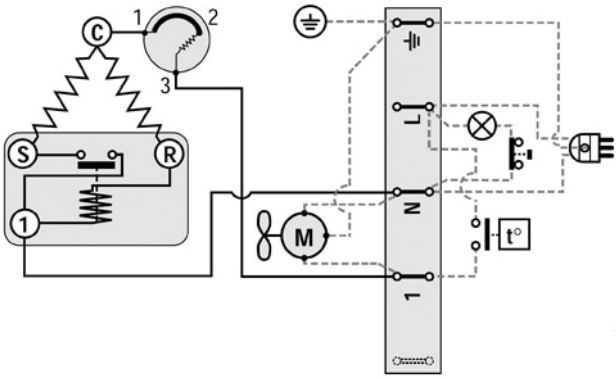
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

