



APPROVALS



ENGINEERING CODE
897BA81

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
82 W (LBP)

EFFICIENCY
1.53 W/W (LBP)

MOTOR TYPE
RSIR/RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.19 cm ³
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR/RSCR
Starting Torque	LST
Start Winding Resistance	27.3 Ω at 25° C
Run Winding Resistance	38 Ω at 25° C

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.7 Kg

Electrical Components

	Description
Run Capacitor	2.5
Starting Device	PTC MI2021
Motor Protection	AE23AHNX

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42°/Copper
Discharge	5.1 mm	Straight/Copper
Process	6 mm	Slanted 42°/Copper(OD)

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	82 W	53 W	0.26 A	0.88 kg/h	1.53 W/W

Test Condition: ASHRAELBP32, Static/NotControlled/220, 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
-35	48	36	0.2	0.52	1.33
-30	66	42	0.22	0.70	1.56
-25	87	47	0.23	0.93	1.84
-20	113	52	0.25	1.21	2.15
-15	143	57	0.26	1.54	2.5
-10	178	62	0.28	1.93	2.88

Test Condition: ASHRAELBP32, Static/NotControlled/220, 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
-35	42	36	0.2	0.45	1.17
-30	60	43	0.22	0.64	1.39
-25	81	50	0.24	0.87	1.63
-20	106	57	0.26	1.14	1.89
-15	136	63	0.28	1.47	2.16
-10	171	70	0.31	1.85	2.45

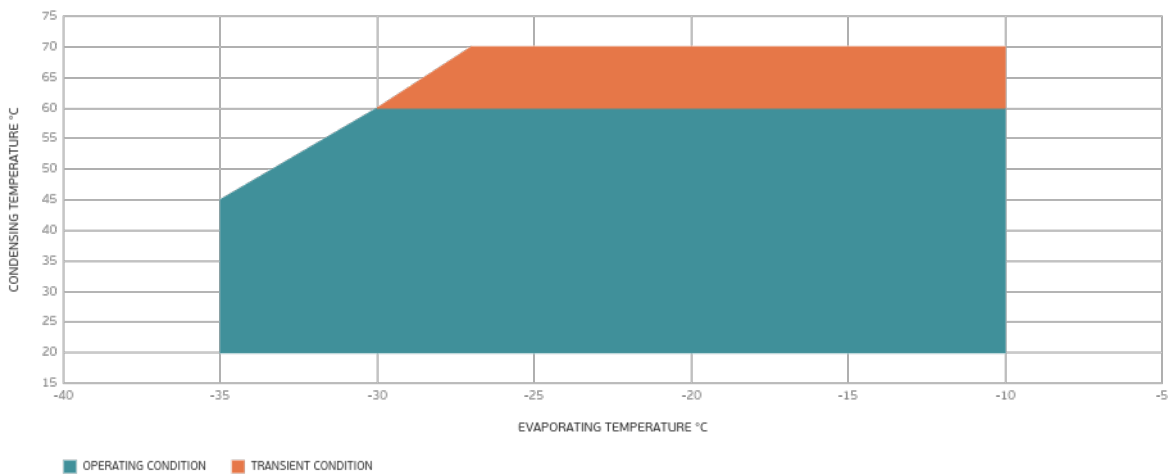
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

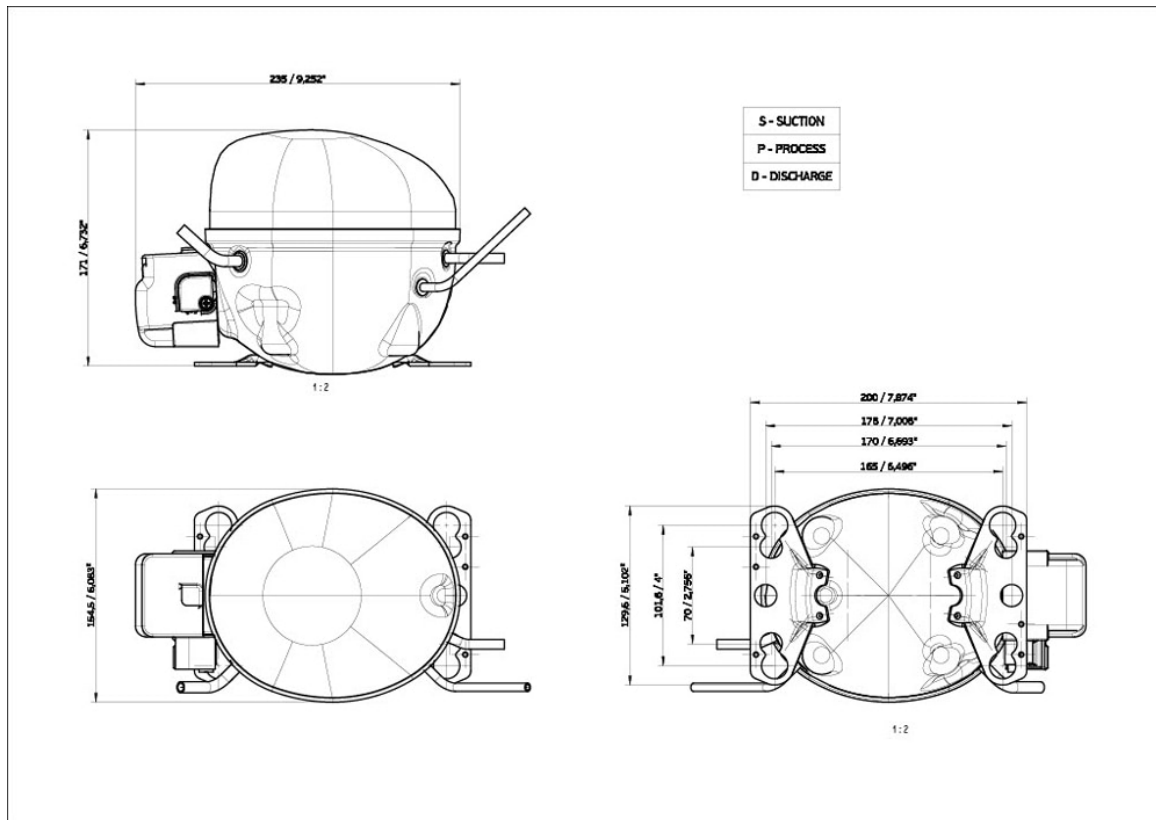
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	34	35	0.2	0.37	0.98
-30	52	43	0.22	0.56	1.21
-25	73	51	0.25	0.78	1.44
-20	98	59	0.27	1.06	1.67
-15	128	67	0.3	1.38	1.9
-10	162	76	0.33	1.75	2.14

Test Condition: ASHRAELBP32, Static/NotControlled/220, 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



Assembly Instructions

