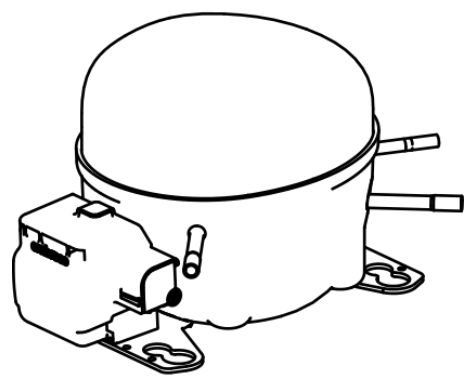


EMX3118Y



ENGINEERING CODE
710KF77



REFRIGERANT
R-600a



POWER SUPPLY
100 V 50 Hz/100-
127 V 60 Hz



APPLICATION
L/MBP



MOTOR TYPE
RSCR



STANDARD
AHRI



COOLING CAPACITY
501 W



EFFICIENCY
2.29 W/W

DATA

GENERAL DATA

Model	EMX3118Y
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	L/MBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/115
HP	1/4 +
Starting Torque	LST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	4.2 Ω at 25°C
Run Winding Resistance	2.76 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	17.5 A

MECHANICAL DATA

Displacement	12.21 cm ³
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.7 Kg

ELECTRICAL COMPONENTS

Run Capacitor	25.0 µf/180 V
CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	V115
Overload Protection	T0798/07

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	MBP
Tested Standard	AHRI
Tested Cooling	Fan
Tested Voltage	115 V
Tested Frequency	60 Hz
Max Refrigerant Charge	150 g
Refrigerant Temperature	Dew

RATED POINTS

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
43.3	-6.7	501	2.29	219	-	6.41

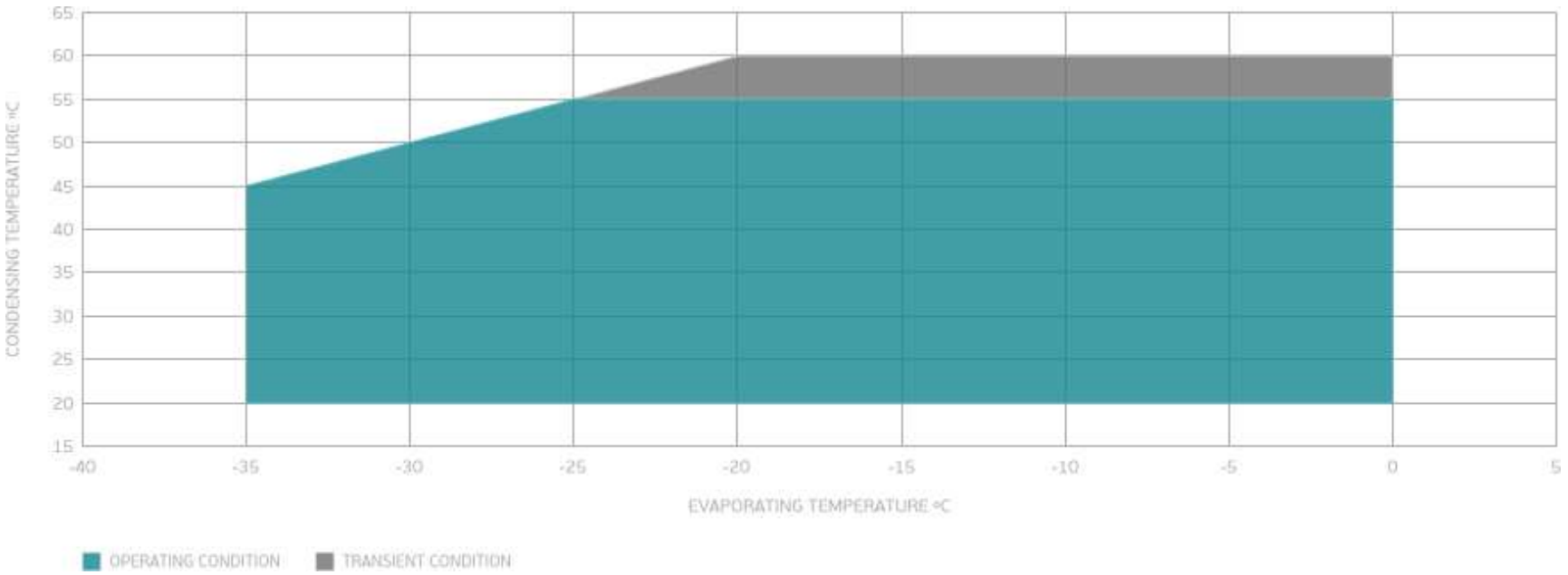
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE					Condensing Temperature 35°C
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	139	1.38	101	-	1.64
-30	185	1.61	114	-	2.18
-25	241	1.83	131	-	2.85
-20	309	2.05	151	-	3.66
-15	390	2.28	171	-	4.63
-10	485	2.55	190	-	5.76
-5	593	2.86	207	-	7.07
0	716	3.26	220	-	8.57
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE					Condensing Temperature 45°C
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	119	1.11	107	-	1.53
-30	159	1.34	119	-	2.04
-25	208	1.53	136	-	2.69
-20	269	1.71	158	-	3.47
-15	342	1.89	181	-	4.42
-10	427	2.08	205	-	5.54
-5	525	2.29	229	-	6.84
0	637	2.55	250	-	8.33
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE					Condensing Temperature 55°C
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	177	1.30	136	-	2.51
-20	229	1.46	157	-	3.27
-15	293	1.60	183	-	4.19
-10	368	1.75	210	-	5.28
-5	456	1.91	239	-	6.56
0	557	2.09	266	-	8.03
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.					

ENVELOPE



External

EXTERNAL CHARACTERISTICS

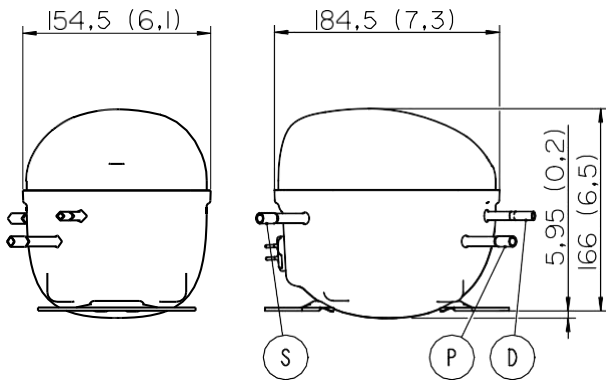
Base PlateSMALL

Tray HolderYES

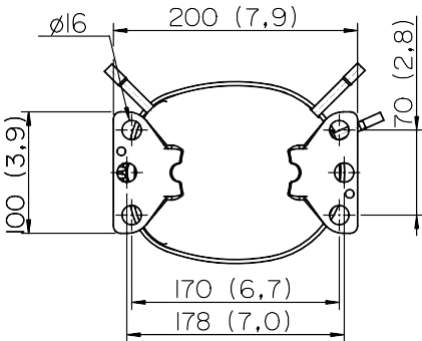
Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED 0° UP + 45° TO BACK	COPPER
Process	6.1 mm	SLANTED 45° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

