MODEL
EMT30CDP

APPROVALS

ENGINEERING CODE
513306243

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
HBP

COOLING CAPACITY
268 W (HBP)

EFFICIENCY
2.68 W/W (HBP)

MOTOR TYPE
RSIR

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.5 cm³
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Horse Power	1/10 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-15 °C to 10 °C

Electrical Data

Motor type	RSIR
Start Winding Resistance	32 Ω at 25° C
Run Winding Resistance	31.5 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.35 A

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	MINERAL
Oil Type Viscosity	ISO10
Weight	7.2 Kg

Electrical Components

	Description
Starting Device	PTC | V230
Motor Protection	T0224/07

External Characteristics

Tray Holder	Yes	
Connector	**Internal Diameter**	**Shape**
Suction	6.1 mm	Slanted 42? up + 45? to Back/Copper
Discharge	4.94 mm	Slanted parallet BP+24?to Back/Copper
Process	6.1 mm	Slanted 45? up + 45? to Back/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	7.20°C	268 W	100 W	0.63 A	3.22 kg/h	2.68 W/W

Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Evaporation 7.20°C, Condensing 54.40°C, Ambient 35°C , Liquid 46.1°C, Subcooling 8.3K. 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
-15	152	61	0.52	1.55	2.47
-10	193	66	0.53	1.97	2.91
-5	240	70	0.54	2.46	3.42
0	294	73	0.55	3.02	4
5	353	75	0.56	3.64	4.68
10	417	76	0.57	4.32	5.48

Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. 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
-15	124	64	0.53	1.37	1.93
-10	158	71	0.55	1.74	2.24
-5	198	76	0.56	2.19	2.6
0	245	82	0.58	2.71	3
5	297	86	0.59	3.30	3.45
10	355	90	0.6	3.96	3.95

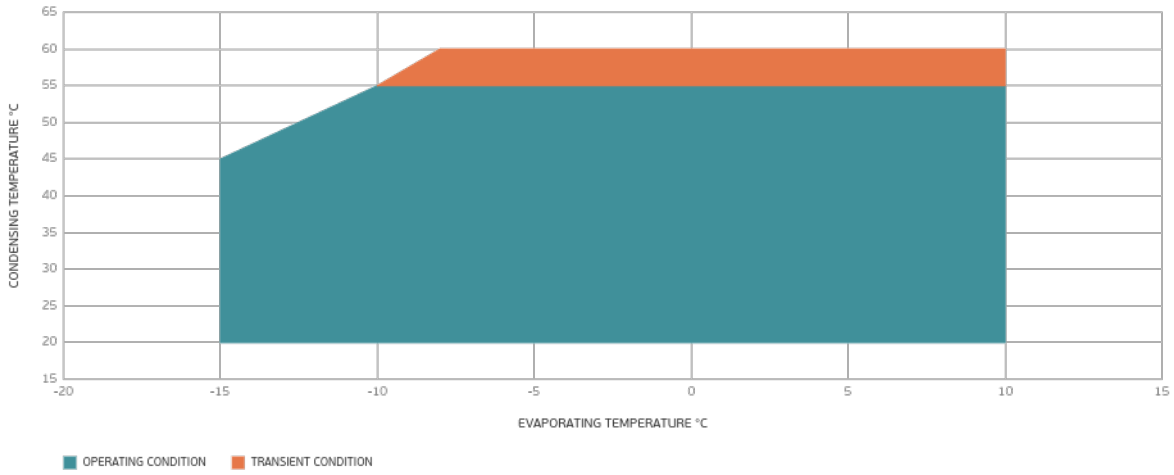
Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-15	102	69	0.54	1.22	1.48
-10	127	76	0.56	1.52	1.68
-5	160	83	0.58	1.91	1.92
0	199	90	0.6	2.39	2.21
5	244	97	0.62	2.94	2.52
10	294	103	0.65	3.56	2.86

Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope



External Dimensions