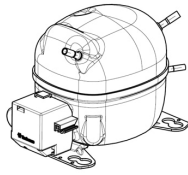


MODEL

EMT30CDP

embraco

**APPROVALS****ENGINEERING CODE**

513306209

APPROVED REFRIGERANT

R-600a

POWER SUPPLY

220-240 V 50 Hz

STANDARD CONDITIONS

ASHRAE

APPLICATION

HBP

COOLING CAPACITY

268 W

EFFICIENCY

2.71 W/W

MOTOR TYPE

RSIR

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.5 cm ³
Compressor Cooling	Static/NotControlled/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	0.59 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 parallel BP+24° to Back/Copper
Process	6 mm	Slanted 43° 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	99 W	0.62 A	3.22 kg/h	2.71 W/W

Test Condition: ASHRAE, Static/NotControlled/220, Return Gas 35°C, Evaporation 7.20°C, Condensing 54.40°C, Ambient 35°C, Liquid 46.1°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
-15	131	61	0.53	1.35	2.14
-10	166	66	0.54	1.70	2.52
-5	207	70	0.54	2.12	2.95
0	252	73	0.55	2.59	3.44
5	304	76	0.56	3.13	4.02

Test Condition: ASHRAE, Static/NotControlled/220, HBP. 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
-15	115	65	0.55	1.27	1.78
-10	147	71	0.56	1.62	2.07
-5	183	76	0.57	2.03	2.4
0	226	81	0.58	2.50	2.77
5	273	86	0.59	3.03	3.19

Test Condition: ASHRAE, Static/NotControlled/220, HBP. 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
-15	101	68	0.56	1.22	1.47
-10	129	76	0.57	1.55	1.7
-5	162	83	0.59	1.95	1.95
0	201	90	0.6	2.42	2.23
5	245	97	0.62	2.95	2.53

Test Condition: ASHRAE, Static/NotControlled/220, HBP. Data in accordance to ASHRAE guideline polynomial curve.