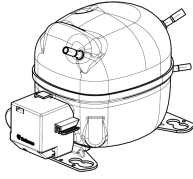


220-240V 50 1~**GENERAL DATA****Application:** HBP**Refrigerant:** R134a**Evaporating Temperature Range:** -15°C to 10°C**Compressor Cooling:** Static**Type:** Hermetic reciprocating**Technology Type:** On-Off**Expansion Device:** Capillary Tube**Packing Quantity:** 100**Displacement:** 4.5 cm³**Approvals:****MECHANICAL DATA****Bore:** 21 mm**Stroke:** 13 mm**Oil Charge:** 180ml**Oil Type Configuration:** ESTER**Oil Type Viscosity:** ISO22**Weight:** 7.51 kg**ELECTRICAL DATA****Motor Type:** RSIR**Starting Torque:** LST**Voltage working range at 50 Hz:** 198-264 V**Maximum Motor Temperature:** 130 °C**Start Winding Resistance:** 32.78 Ω (± 10%) at 25°C**Run Winding Resistance:** 18.2 Ω (± 10%) at 25°C**Locked Rotor Amperage (LRA):** 5 A**MOUNTING ACCESSORIES**

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Sleeves:	no	-
Grommets:	yes	2221011
Terminal:	yes	2075231
Cover:	yes	213336006

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	PTC		V230
Motor Protection:			T0521/07

EXTERNAL CHARACTERISTICS**Base Plate:** SMALL EUEM**Tray Holder:** Yes**Height:** mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted 42° up + 45° to Back
Discharge Connector	4.94	Copper	Slanted parallel BP+24° to Back
Process Connector	6.1	Copper	Slanted 45° up + 45° to Back



RATED POINT DATA

Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
±5%	±5%	±5%	±5%	±7%
480	180	1.07	10.57	2.66

Test condition: ASHRAE, Static, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°C, Ambient: 35°C

PERFORMANCE CURVE DATA

220V 50Hz

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	678	145	0.94	12.81	4.68
	5	567	137	0.91	10.64	4.14
	0	467	128	0.88	8.72	3.64
	-5	379	120	0.85	7.04	3.17
	-10	302	111	0.81	5.60	2.73
	-15	238	102	0.78	4.39	2.33

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
45°C	10	602	167	1.03	12.30	3.60
	5	501	156	0.98	10.17	3.20
	0	410	145	0.93	8.29	2.83
	-5	331	133	0.89	6.64	2.49
	-10	262	121	0.84	5.23	2.16
	-15	204	109	0.80	4.06	1.87

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	523	190	1.12	11.69	2.75
	5	435	176	1.05	9.64	2.47
	0	355	162	0.98	7.83	2.20
	-5	286	147	0.93	6.27	1.95
	-10	226	131	0.87	4.94	1.72

Test condition: ASHRAE, Static, Return Gas 35°C, Subcooling 8.3K, Ambient: 35°C

Model **EMT50HDP**

Code **51330604198ZQ**

embraco POWER IN.
CHANGE ON.