

115-127V 60 1~



GENERAL DATA

Application: L/MBP
Refrigerant: R134a
Evaporating Temperature Range: -35°C to -5°C
Compressor Cooling: Fan
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 120
Displacement: 6.76 cm³
Horse power: 1/4+ hp

Approvals: **C** **RU** **US**

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 17 mm
Oil Charge: 280ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO10
Weight: 10.69 kg

ELECTRICAL DATA

Motor Type: RSIR/CSIR
Starting Torque: LST
Voltage working range at 50 Hz: 104-140 V
Voltage working range at 60 Hz: 104-140 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 8.28 Ω (± 10%) at 25°C
Run Winding Resistance: 2.4 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Cover:	no	-
Grommets:	no	-
Sleeves:	no	-
Terminal:	no	-
Clip:	yes	13143000

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	Relay	213516094* 213516132	
Motor Protection:		4TM762PFBZZ-53	13634483
Start Capacitor:		243-292UF - 110V	13556527

EXTERNAL CHARACTERISTICS

Base Plate: UNI V2
Tray Holder: No
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	8.2	Copper	Slanted
Discharge Connector	8.2	Copper	Slanted
Process Connector	6.5	Copper	Slanted

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%
240	159	2.25	4.66	1.51

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C

PERFORMANCE CURVE DATA

115V 60Hz

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	-5	654	201	2.53	12.83	3.25
	-10	535	189	2.44	10.45	2.83
	-15	429	176	2.35	8.37	2.45
	-20	338	161	2.25	6.56	2.10
	-25	259	146	2.15	5.01	1.77
	-30	193	131	2.05	3.73	1.47
	-35	140	116	1.94	2.69	1.20

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	-5	627	232	2.73	12.31	2.71
	-10	508	211	2.58	9.93	2.41
	-15	403	190	2.44	7.86	2.12
	-20	313	169	2.31	6.08	1.85
	-25	237	149	2.18	4.58	1.59
	-30	174	130	2.06	3.36	1.34
	-35	125	112	1.95	2.41	1.11

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	-5	600	258	2.91	11.78	2.32
	-10	481	230	2.71	9.40	2.09
	-15	377	202	2.52	7.34	1.87
	-20	288	176	2.35	5.60	1.64
	-25	215	151	2.20	4.16	1.42
	-30	156	128	2.06	3.01	1.21

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Ambient: 32.2°C, Liquid: 32.2°C

Model **FFU80HAK**

Code **51320049996S0**

embraco POWER IN.
CHANGE ON.