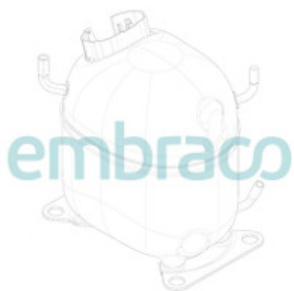


220-240V 50Hz 1~



GENERAL DATA

Application: HBP
Refrigerant: R600a
Evaporating Temperature Range: -15°C to 10°C
Compressor Cooling: Fan
Maximum Condensing Pressure - Operating: 6.73 bar
Maximum Condensing Pressure - Peak: 7.69 bar
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Displacement: 9.04 cm³
Horse power: 1/5 hp

Approvals:  

MECHANICAL DATA

Bore: 24 mm
Stroke: 20 mm
Oil Charge: 180ml
Oil Type Configuration: MINERAL
Oil Type Viscosity: ISO10
Weight: 7.7 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Start Winding Resistance: 21.1 Ω (± 10%) at 25°C
Run Winding Resistance: 14.4 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

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

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	CURRENT RELAY	MTRP-0015	
Motor Protection:	T0933/G6		
Start Capacitor:	43-53		

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: Yes
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	0
Discharge Connector	4.94	Copper	0
Process Connector	6	Copper(OD)	0

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%
159	216	1.23	6.49	0.73

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

PERFORMANCE CURVE DATA

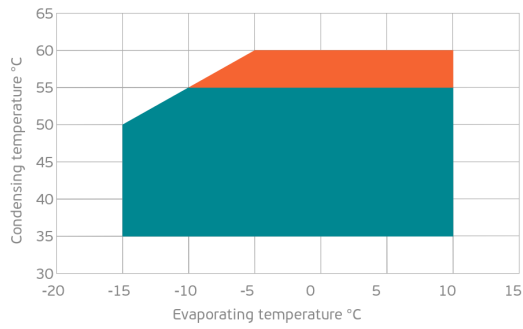
220V 50Hz

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	719	196	1.16	7.43	3.67
	5	602	180	1.11	6.21	3.35
	0	500	165	1.06	5.13	3.02
	-5	409	152	1.02	4.19	2.70
	-10	330	139	0.98	3.37	2.37
	-15	260	127	0.94	2.65	2.05

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	661	211	1.21	7.36	3.13
	5	554	194	1.15	6.15	2.86
	0	460	178	1.10	5.08	2.58
	-5	377	163	1.05	4.16	2.31
	-10	304	149	1.01	3.35	2.04
	-15	241	136	0.96	2.64	1.77

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	590	229	1.27	7.15	2.58
	5	494	210	1.21	5.96	2.35
	0	410	192	1.15	4.93	2.14
	-5	337	175	1.09	4.03	1.93
	-10	273	158	1.03	3.25	1.72

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



- Operating Condition
- Transient Condition
- Superheating

NOTE: usage of compressors outside of intended working range cannot make use of the warranty, or should be consulted with Technical support.