Mbsm.pro, Compressor, EMBRACO, EMT6170Z, HBP, R134a, 350 G, 220-240V/1F/50Hz, 1/4 hp++, 1/3 HP–, 7.69 cm3

Category: compressor
written by www.mbsm.pro | 5 October 2022

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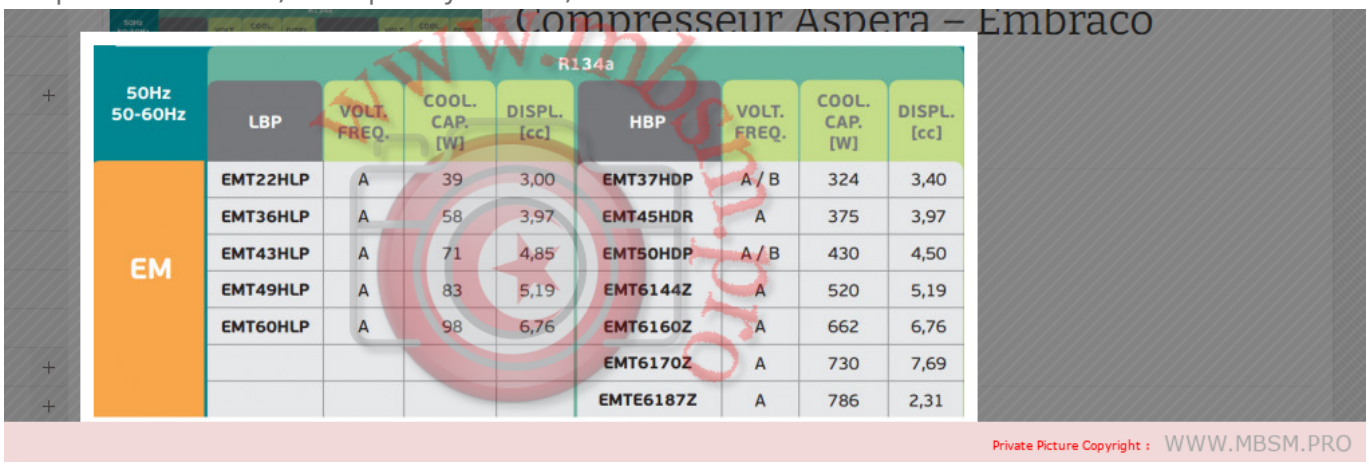
Compressor EMBRACO EMT6170Z, HBP – R134a, 220-240V/1F/50Hz. Power: 1/4

HP. Stroke volume: 7.69 cm3. Motor type: CSIR. Oil filling: POE 22 180 ml. Starting current (LRA): 10.4 A. Power at +7.2 / +54.4 °C: 806 W. Cooling with fan. Air flow: 520 m3/h. Capillary tube/expansion valve operation. Weight: 7.8 kg Cooling capacity measured for condensation temperature 45°C, suction gas temperature 20°C, frequency 50 Hz, measurement conditions: EN12900



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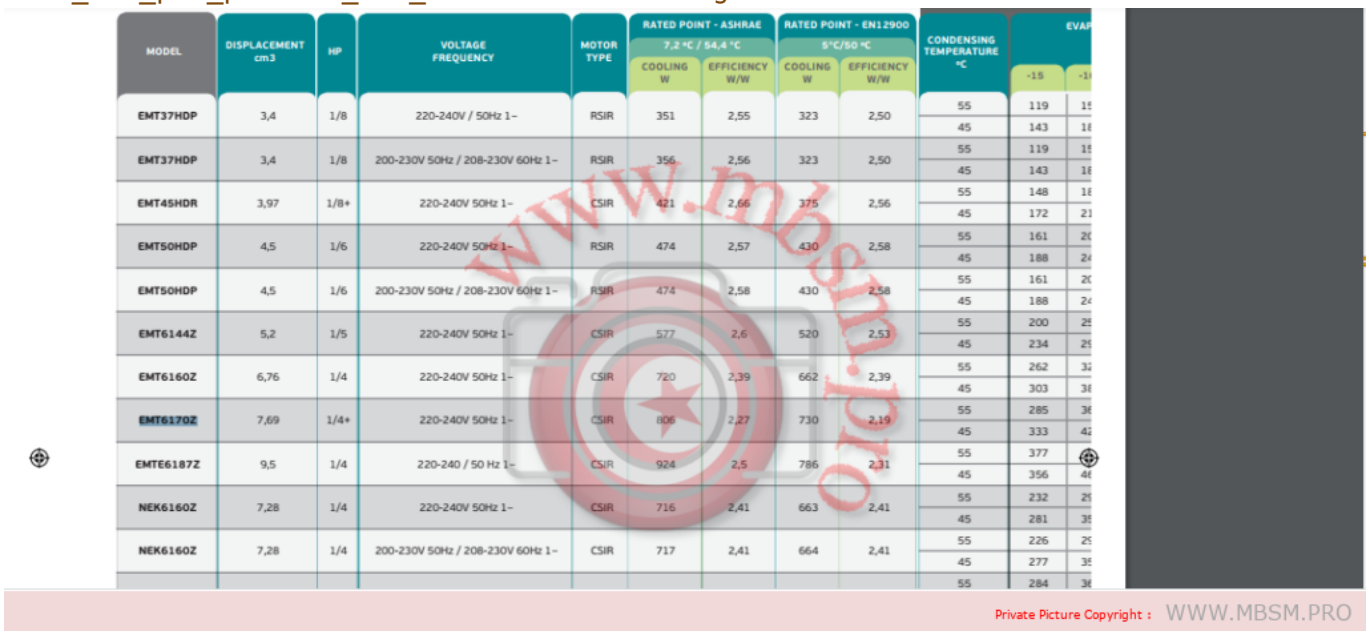

R134a - HBP Applications

COMPRESSOR	FREQUENCY	DIMENSION (from −15°C to −5°C evap. temp.)	DIMENSION (from −5°C to +10°C evap. temp.)
NB5125Z	50 Hz	0.78 mm I.D. × 2.5 m	0.91 mm I.D. × 2.4 m
	60 Hz	0.78 mm I.D. × 2.1 m	0.91 mm I.D. × 2.0 m
NB5128Z	50 Hz	0.78 mm I.D. × 2.4 m	0.91 mm I.D. × 2.3 m
	60 Hz	0.78 mm I.D. × 2.0 m	0.91 mm I.D. × 1.9 m
NB5132Z - NB6132Z	50 Hz	0.78 mm I.D. × 2.3 m	0.91 mm I.D. × 2.2 m
	60 Hz	0.78 mm I.D. × 1.9 m	0.91 mm I.D. × 1.8 m
NB5144Z - NB6144Z NEK5144Z - EMT6144Z	50 Hz	0.91 mm I.D. × 2.9 m	1.06 mm I.D. × 2.7 m
	60 Hz	0.91 mm I.D. × 2.4 m	1.06 mm I.D. × 2.3 m
NE5160Z - NE6160Z NEK6160Z - EMT6160Z	50 Hz	0.91 mm I.D. × 2.4 m	1.06 mm I.D. × 2.5 m
	60 Hz	0.91 mm I.D. × 2.1 m	1.06 mm I.D. × 2.2 m
NE5170Z - NE6170Z NEK5170Z - NEK6170Z EMT6170Z	50 Hz	1.06 mm I.D. × 3.2 m	1.27 mm I.D. × 3.3 m
	60 Hz	1.06 mm I.D. × 2.65 m	1.27 mm I.D. × 2.75 m
NE5187Z - NE6187Z NEK6187Z	50 Hz	1.24 mm I.D. × 4.0 m	1.37 mm I.D. × 3.3 m
	60 Hz	1.24 mm I.D. × 3.4 m	1.37 mm I.D. × 2.9 m
NE6210Z - NEK6210Z	60 Hz	1.37 mm I.D. × 3.5 m	1.50 mm I.D. × 3.3 m
NEK6212Z	60 Hz	1.37 mm I.D. × 3.3 m	1.50 mm I.D. × 3.1 m
T6213Z	50 Hz	1.37 mm I.D. × 3.5 m	1.50 mm I.D. × 3.3 m
	60 Hz	1.37 mm I.D. × 3.1 m	1.50 mm I.D. × 2.9 m

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1 Commercial designation	1/3 -	[hp]
2 Displacement	7.69	[cm³] (0.469 cu.in)
2.1 Bore [mm]	24.000	
2.2 Stroke [mm]	17.000	
3 Lubricant charge	180	[ml] (6.09 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ESTER / ISO22	
4 Weight (with oil charge)	7.8	[kg] (17.20 lb.)
5 Nitrogen charge	-	[kgf/cm²]

C - ELECTRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	220-240 V 50 Hz 1 ~ (Single phase)	
2 Starting device type	Current Relay	
2.1 Starting device	MTRP-38	
3 Start capacitor	43-53(330)	[µf(VAC minimum)]
4 Run capacitor	-	[µf(VAC minimum)]
5 Motor protection	T0971/G6	
6 Start winding resistance	20.66	[Ω at 25°C (77°F)] +/- 8%
7 Run winding resistance	10.77	[Ω at 25°C (77°F)] +/- 8%
8 LRA - Locked rotor amperage (50 Hz)	-	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (50 Hz)	-	[A]
10 FLA - Full Load Amperage HBP (50 Hz)	-	[A]
11 Approval boards certification	VDE	

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Capacitor :	Starting capacitor: 53-64 UF
Refrigerant:	R134a
Dimensions (length × width × height):	22,80 × 15,50 × 16,60 cm
Scope of application:	HBP
Power (W):	806
Cooling capacity (W):	411
Cooling capacity (W) at To -15°C:	330
Cooling capacity (W) at To -10°C:	418
Cooling capacity (W) at To -5°C:	771
Cooling capacity (W) at To 0°C:	559
Cooling capacity (W) at To 5°C:	522
Cooling capacity (W) at To 10°C:	915
starting torque:	HST
Connection:	solder terminals

Connection size:	4,94 mm
Design type:	Hermetic , reciprocating
Manufacturer:	Aspera , Embraco Aspera
Hubvolumen (cm3):	7.69
Info:	Oil pre-filled
Contents:	1.00 pcs.
Condensation temperature:	45°C
Performance condition:	+7.2°C to +54.4°C
Power range (C):	-15 C to +10 C
Power range (hp):	0-2
Power range (W):	401 – 500 W 701 – 1000 W
Max. starting current (A):	10.4
Measurement conditions:	EN12900
Engine type:	CSIR
Rated power (hp):	0.3
suction side:	6,1 mm
Series:	EMT
Tension:	220-240V
Power supply:	230 V
Compressor type:	reciprocating
Condensing Units Compressors:	compressor
To be used with:	Capillary/expansion
Olmenge (l):	0.18
Oil type:	ISO22, POE22 ISO22