

Mbsm.pro, Compressor, EA65H1E-U, 1/3 hp++, mbp, r290, freezer, with two doors, GMCC Refrigeration Compressor

Category: compressor

written by Lilianne | 20 January 2024



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COMPRESSOR DEFINITION

Designation	EM 2X1125U
Nominal Voltage/Frequency	115-127 V 60 Hz
Engineering Number	513304044

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-290		
3 Nominal voltage and frequency	115-127 / 60	[V / Hz]	
4 Application type	Low Back Pressure R290		
4.1 Evaporating temperature range	-40°C to -10°C	(-40°F to 14°F)	
5 Motor type	CSCR		
6 Starting torque	LST - Low Starting Torque		
7 Expansion device	Capillary tube		
8 Compressor cooling		Operating voltage range	
		50 Hz	60 Hz
8.1 LBP (32°C Ambient temperature)	Static/Fan	-	103 to 140 V
8.2 LBP (43°C Ambient temperature)	Static/Fan	-	103 to 140 V
8.3 HBP (32°C Ambient temperature)	-	-	-
8.4 HBP (43°C Ambient temperature)	-	-	-
9 Maximum condensing temperature			
9.1 Operating	18.4	[kgf/cm ²] (262 psig)	/ °C - °F
9.2 Peak	20.6	[kgf/cm ²] (293 psig)	/ °C - °F
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	1/3+	[hp]
2 Displacement	6.09	[cm ³] (0.372 cu.in)
2.1 Bore [mm]	21.000	
2.2 Stroke [mm]	17.600	
3 Lubricant charge	150	[ml] (5.07 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ESTER / ISO10	
4 Weight (with oil charge)	7.82	[kg] (17.24 lb.)
5 Nitrogen charge	-	[kgf/cm ²]

C - ELETRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	115-127 V 60 Hz 1 - (Single phase)	
2 Starting device type	PTC	
2.1 Starting device	8EA14D7/QPS2-A4R7MB4	
3 Start capacitor	161-193(149)	[µF(VAC minimum)]
4 Run capacitor	20(177)	[µF(VAC minimum)]
5 Motor protection	4TM445NFBYY-53	
6 Start winding resistance	3.55	[Ω at 25°C (77°F)] +/- 8%
7 Run winding resistance	2.82	[Ω at 25°C (77°F)] +/- 8%
8 LRA - Locked rotor amperage (60 Hz)	20.01	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (60 Hz)	3.36	[A] - Measured according to UL 984
10 FLA - Full Load Amperage HBP (60 Hz)	4.02	[A] - Measured according to UL 984
11 Approval boards certification	TUV - UL	

产品性能参数

系列 Series	Model 机型	气缸容积 Disp. (cm ³)	冷却方式 Cooling Type	电机类型 Motor Type	电机额定频率 Power frequency	ASHRAE (-23.3/54.4/32.2°C)					认证 Certification	电机描述 Motor description	壳体高度 Shell height
						制冷量 Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

R290 LBP

115V/60Hz

	Model	Disp. (cm ³)	Cooling Type	Motor Type	Power frequency	W	Kcal/h	Btu/h	W/W	Btu/Wh	Certification	Motor description	Shell height
E	EA25E1C	2.5	ST	RSCR	115V/60Hz	135	116	461	1.65	5.63	-	Al	178
	EA30E1C	3.0	ST	RSCR	115V/60Hz	160	138	546	1.65	5.63	-	Al	178
	EA35E1G	3.5	ST	RSCR	115V/60Hz	193	166	659	1.50	5.12	-	Al	178
	EA35E1C	3.5	ST	RSCR	115V/60Hz	193	166	659	1.65	5.63	-	Al	178
	EA45E1C	4.5	ST	RSCR	115V/60Hz	260	224	887	1.65	5.63	-	Al	178
H	EA59H1D	5.9	ST	RSCR	115V/60Hz	330	284	1126	1.60	5.46	-	Al	178
	EA59H1A	5.9	ST	RSCR	115V/60Hz	330	284	1126	1.75	5.97	-	Cu	178
	EA65H1E	6.5	ST	RSCR	115V/60Hz	370	318	1262	1.55	5.29	-	Al	178
	EA65H1B	6.5	ST	RSCR	115V/60Hz	370	318	1262	1.70	5.80	-	Cu	178