

# Mbsm.pro, COMPRESSOR, EMBRACO, 1/5+ HP, EGAS 70HLR, R134a, egas70h1r, 695 btu, R134a

Category: compressor

written by Lilianne | 13 February 2022



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Refrigerators and freezer from 380 to 470 liters

REFRIGERATOR AND FREEZER ENGINE – COMPRESSOR EMBRACO 1/5+ HP – EGAS 70HLR – R134a (220v or 110v)

GENERAL DATA

Application: LBP

Refrigerant: R134a

Evaporating Temperature Range: -35°C to -10°C

Compressor Cooling: Static

Type: Hermetic reciprocating

Technology Type: On-Off

Expansion Device: Capillary Tube

Packing Quantity: 72

Displacement: 5.56 cm<sup>3</sup>

Horse power: 1/5+ hp



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### SERIE F/EG - R134a

MODEL DESIGNATION	VOLTAGE/ FREQUENCY V/Hz	DISPLACEMENT cm <sup>3</sup>	CAPACITY / EVAPORATING TEMPERATURE - ASHRAE														STARTING DEVICE										
			-30°C		-25°C		CHECK POINT -23.3°C		-20°C		-15°C		-10°C		-5°C			0°C		+5°C		CHECK POINT +7.2°C		+10°C		+15°C	
			W	W	CAP W	EER W/W	W	W	W	W	W	W	W	W	W	W		W	W	CAP W	EER W/W	W	W	W	W		
EGAS70HLR 50-60Hz	220-240V 50Hz	5.56	101	145	164	1.47	200	264	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
	220V 60Hz		125	180	204	1.58	249	328	417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
EGAS80HLR 50-60Hz	220-240V 50Hz	6.36	123	174	195	1.52	235	306	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
	220V 60Hz		151	215	240	1.61	289	377	482	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
EGAS80HLR	115-127V 60Hz	6.36	151	215	240	1.55	289	377	482	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
EGAS90HLR 50-60Hz	220-240V 50Hz	7.15	143	197	219	1.50	260	335	424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
	220V 60Hz		175	243	271	1.59	320	413	524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
EGAS90HLR	115-127V 60Hz	7.15	175	243	275	1.59	320	413	524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
EGAS100HLR 50-60Hz	220-240V 50Hz	7.95	162	225	251	1.52	298	383	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
	220V 60Hz		200	277	308	1.60	366	470	593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
EGAS100HLR	115-127V 60Hz	7.95	200	277	308	1.58	366	470	593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
FFI 8.5HAK 50-60Hz	220-240V 50Hz	7.15	135	187	206	1.32	248	320	406	506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
	220V 60Hz		157	219	241	1.37	294	384	491	618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
FFI 10HAK 50-60Hz	220-230V 50Hz	9.04	153	218	249	1.30	300	398	509	634	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
	220V 60Hz		186	268	302	1.42	362	470	598	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
FFI 10HAK	115-127V 60Hz	9.04	187	268	302	1.42	362	470	598	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Relay	
FFI 12HBK	220-240V 50Hz	11.14	209	285	319	1.25	381	496	631	787	965	1164	1316	2.61	1386	1631	-	-	-	-	-	-	-	-	Relay		
FFI 12HBX	220V 60Hz	11.14	221	308	349	1.18	419	554	714	901	1116	1361	1553	2.28	1637	1946	-	-	-	-	-	-	-	-	Relay		
FFI 12HBX	115-127V 60Hz	11.14	218	304	349	1.20	414	552	718	913	1140	1400	1553	2.54	1694	2024	-	-	-	-	-	-	-	-	Relay		

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EM2Y50HLT	EM160HSC	EMUS60HLP	EMZS60HLC	570	Estático / Forzado	Refrigeradores 1 puerta de hasta 350 litros freezers de hasta 300 litros	EMI60HER
EM55HNR	EM160HSR	EMX60HLC	EMZS50HLP				
EM55HNX	EM560HLP	EMY60HER	FF6HBK				
EME60HER	EMT60HLC	EMY60HSC	FF6HBKW				
EMH60HER	EMT60HSC	EMYS60HEP	FGS60HA				
EMI50HER	EMU60HER	EMYS60HEP	FGS60HAW				
<b>Referencia comerciales (HP): 1/5+</b>				<b>Capacidad* (BTU/h)</b>	<b>Ventilación</b>	<b>Principales Aplicaciones</b>	<b>Disponibles en los distribuidores</b>
EGAS70HLP	EGZS70HLC	EMI70HER	FFC60HBK	695	Estático	Refrigeradores 2 puerta de hasta 350 litros freezers de hasta 350 litros	<a href="#">EGAS70HLR</a> EMIS70HHR EMI70HER
EGD70HLC	EGZS70HLP	EMI70HNR	FF16HAK				
EGS70HLP	EGZS70HLPW	EMIS70HHR	FF16HAKW				
EGU70HLC	M2Y60HLP	EMX70HSC	FFV6HAK				
EGU70HLCW	EM2Z60HLT	EMY65HLC	FGS70HA				
EGUS70HLP	EM3D60HLT	EMY70HER	FGS70HAW				
EGX70HLC	EM3U60HLP	EMY70HSC	FGV70HA				
EGY70HLP	EM3Y60HLP	EMYE70HEP	NEK2116Z				
EGY70HLPW	EM3Z60HLT	EMYS70HEP					
EGYS70HLP	EM65HNR	FF7,5HBK					
EGZ60HLP	EM65HNX	FF7,5HBKW					
EGZ70HLP	EMI70HEP	FF8,5HBK					

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6 Starting torque	LS1 - 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	198 to 255 V	198 to 255 V
8.2 LBP (43°C Ambient temperature)	Static	198 to 255 V	198 to 255 V
8.3 HBP (32°C Ambient temperature)	-	-	-
8.4 HBP (43°C Ambient temperature)	-	-	-
9 Maximum condensing pressures/temperature			
9.1 Operating (gauge)	16.2	[kgf/cm <sup>2</sup> ] (230 psig)	/ °C - °F
9.2 Peak (gauge)	20.6	[kgf/cm <sup>2</sup> ] (293 psig)	/ °C - °F
10 Maximum winding temperature	130	[°C]	
<b>B - MECHANICAL DATA</b>			
1 Commercial designation	1/5+	[hp]	
2 Displacement	5.56	[cm <sup>3</sup> ] (0.339 cu.in)	
2.1 Bore [mm]	22.500		
2.2 Stroke [mm]	14.000		
3 Lubricant charge	230	[ml] (7.78 fl.oz.)	
3.1 Lubricants approved			
3.2 Lubricants type/viscosity	ESTER / ISO10		
4 Weight (with oil charge)	10.34	[kg] (22.80 lb.)	
5 Nitrogen charge	0.2 to 0.3	[kgf/cm <sup>2</sup> ] (2.84 to 4.27 psig)	
<b>C - ELECTRICAL DATA</b>			
1 Nominal Voltage/Frequency/Number of Phases	220-240 V 50-60 Hz 1 ~ (Single phase)		
2 Starting device type	Current Relay		

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