

Huayi HYE69Y63 Compressor 1/5 HP R134a LBP

Category: Refrigeration

written by www.mbsm.pro | 18 January 2026



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The Huayi HYE69Y63 is a highly efficient hermetic reciprocating compressor designed for low back pressure applications using R134a refrigerant. With a 1/5 HP rating and dual-frequency compatibility (50/60Hz), this motor is a cornerstone for domestic refrigerators and freezers. This comprehensive guide covers technical datasheets, electrical wiring, and professional replacement strategies for global cooling systems.

GMCC PE75H1C Compressor 1/4 HP R134a LBP

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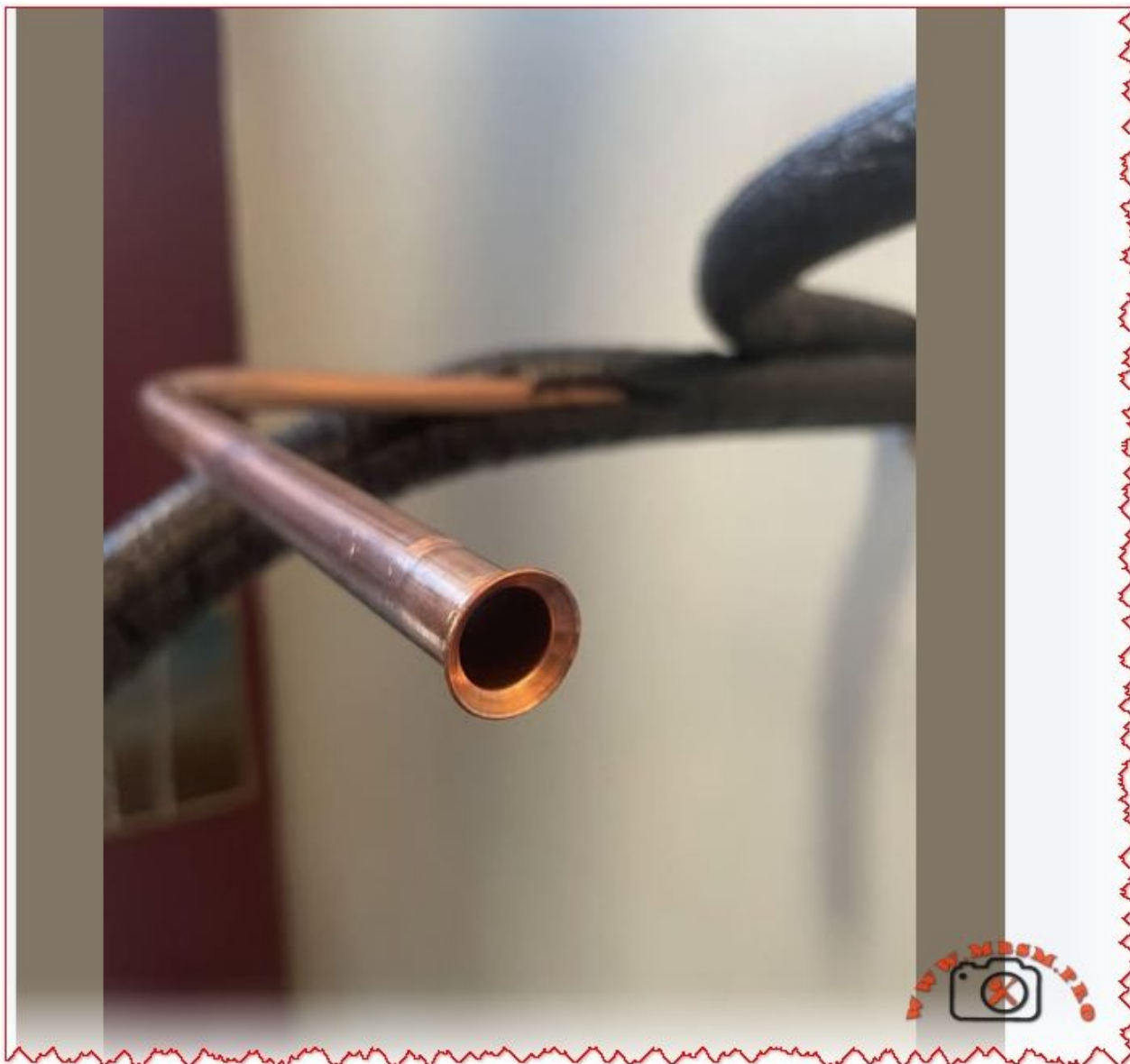
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The GMCC PE75H1C is a robust hermetic reciprocating compressor engineered for low back pressure applications using R134a refrigerant. Operating at 220-240V 50Hz, this 1/4 HP motor provides a cooling capacity of approximately 185W. This article provides technical datasheets, electrical wiring schemas, and professional cross-reference guides for global refrigeration maintenance and engineering.

Copper Pipe Flaring: Common Mistakes and How to Avoid Them in HVAC and Plumbing Installations

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Mbsmpro.com, Copper Pipe, Flaring, HVAC, Plumbing, R600a, Mini-Split, Leak Prevention, Soft Copper, Flaring Block, 1/4", 3/8", 1/2", 5/8", Refrigerant Line

Key HVAC full forms

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IMPORTANT FULL FORMS

HVAC – Heat ventilation air conditioner

AHU – Air handling unit

FCU – Fan coil unit

CSU – Ceiling suspended unit

PAC – Precession air condition

BTU – British thermal unit

PSI – Pound square inches

TR – Tonnage of refrigerant

VAV – Variable adjustable valve

VRV – Variable refrigerant valve

VRF – Variable refrigerant flow

RPM – Revolution per minute

DC – Direct current

DB – Distribution box

ACB – Air circuit breaker



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In daily HVAC practice, technicians use many abbreviations that can confuse beginners and even young engineers. This article explains the most important HVAC abbreviations and their correct full forms, including HVAC, AHU, FCU, PAC, BTU, PSI, TR, VAV, VRV, VRF, RPM, DC, DB and ACB, with practical notes for real projects.

EMX66CTC, Embraco, compresseurs,
183w, 240v / 50 1/4 HP, R600A,
hermétiques, HVAC, + Ptc, Alu,
Hotpoint, Indesit, Whirlpool, LBP,

Cylindrée (cm³)10,61

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catégorie de produit

Compresseurs de réfrigération et compresseurs de climatisation

Capacité

0,14 kW (0,1840 ch)

Évaluation du réfrigérant

R-600a

EER

1,18

Source d'énergie

230/50/1

Options de réfrigérant

R-600a

Ce produit est compatible avec les modèles suivants : RSZ 3032 V L BSZ 3032 V BAAAAN 10 SBL 2031 V/HA UPS 1721 F/HA UFAAN 400 NF UPS 1721 F J/HA UPS 1721 F J/HA UPS 1722 F J/HA CAA 55 BAAAAN 12 SBL 2030 V/HA IUPS 1722 F J IUPS 1722 F J IUPS 1721 F J EXFL 2010 P FFFL 2010 K EXFL 2010 G SBL 203A V CAA 55 NX BIAAA 12 NCAA 55 NCAA 55 NX BIAAA 10 X BIAAA 10 UIAA 12 F UIAA 22 Y UIAA 12 F R (UK) UIAA 10 F EBYH 20320 V EBL 20311 V EBL 20321 V EBLH 18311 V 03 EBYH 18321 V NCAA 55 (UK) CAA 55 (UK) CAA 55 K (UK) CAA 55 S (UK) UPSY 1721 F J UPSY 1722 F J FZFM 151 G FZFM 151 P FZFM 171 P FZFM 171 G HSZ3022VL HSZ3022VL BIAA 33 F SI Y BIAA 33 F X H Y RFAA52P RFAA52S RFAA52K EBYH 18242 F EBYH 18242 F EBYH 18201 F EBYH 18201 F UIA 12 (EX) UIA 12 S (EX) FFUL 2012 P FFUL 2012 X FFUL 2012 X BIAAA 12 X

HM325NI IN C 325 AA UK STF200WP NCAA 55 S (UK) EBYH 18213 F 03 H 18223 F 03 EBYH 18223 F 03 STF200WG FUFL 2010 P EBLH 18301 V 03 FZFM 171 SB NBIAAA 10 NRFAA50S NRFAA50P EBMH 17321 NX NCAA 55 K UK CAA 55 NX UK FFFL 2013 P (03) FFFL 2013 P (03) FFFL 2013 X L 2013 X (03) EBY 18211 F BIAAA 12 UK IUPSY 1722 F J DBIAA 344 F UK UPS 1521.1 RZFM 151 P.1 RZFM 151 G.1 UPS 1521 (TK).1 FFUL 2012 G UIAA 10 (TK).1 UIAA 12 S.1 NUIAA 12.1 UIAA 12 S (UK).1 UIAA 10 S.1 UIAA 12.1 UIAA 12.1 UIAA 10. 12 (UK).1 UIAA 10 (UK).1 UIAA 10.1 BCZ L 400 X (BI)/HA HTF200WP HTF200WG UPS 1746.1 T IN C 425 AA UK FFFL 2012 P FFFL 2012 G AFAA 52 P AI AFAA 52 K AI AFAA 52 S AI CAA 55 S NCAA 55 K EBYH 18242 D F YH 18242 D F ECORM 172 P ECOFL 2010 G ECOFL 2010 G ECOFL 2010 P ECOFL 2010 P BIAAA 12P X NBIAAA 10P BIAAA 12P BIAAA 10P X BIAAA 12P UK BIAAA 10P HM325NI AI UPS 1521 F (TK) NEBYH 18242 F UIAA 12 F I X UX UIX UIX IAA 12 F I UPSI 1721 F/HA UPSI 1721 F (TK)/HA UPSI 1722 F J/HA UPSI 1722 J FSFL 2010 P FZFI 171 G FZFI 171 P UPSO 1722 F J UPSO 1721 F J IUPSO 1721 F J et plus.



COOLING CAPACITY CECOMAF																		
CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C						WEIGHT kg	MAX HEIGHT A mm	LRA A	COOLING TYPE	FAN AIR FLOW m³/h	OIL		EXP DEVICE	DRAWINGS		MODEL	
	-30	-25	-20	-15	-10	-5						CHARGE cm³	TYPE		EXTERNAL VIEW REFERENCE	WIRING DIAGRAM REFERENCE		
55	36	49	64	82	102	126	7,1	166	2,1	S	-	150	AB 5	C	DWG01	SM01	EMX20CLC	
45	44	58	76	96	119	146												
55	43	59	80	104	133	165	7,1	166	-	S	-	150	AB 5	C	DWG01	SM01	EMX26CLC	
45	53	72	96	124	156	192												
55	49	69	92	119	151	189	7,3	166	3,3	S	-	150	AB 5	C	DWG01	SM01	EMX32CLC	
45	64	86	111	141	176	218												
55	-	-	-	-	-	-	7,7	171	6,8	S/F	270	150	AB 5	C/V	DWG01	SM00-SM01	EMX3109Y	
45	-	-	-	-	-	-												
55	78	107	142	187	233	260	7,7	171	3,4	S	-	150	AB 5	C	DWG01	SM02	EMC40CLT	
45	88	118	154	198	248	300												
55	88	119	158	203	256	280	7,1	166	-	S	-	150	AB 2	C	DWG01	SM02	EMC46CLT	
45	95	129	169	215	269	310												
55	-	-	-	-	-	-	8	171	11,6	S/F	270	150	AB 5	C/V	DWG01	SM01	EMX3113Y	
45	-	-	-	-	-	-												
55	87	117	154	197	245	303	7,6	166	-	S	-	150	AB 5	C	DWG01	SM01	EMX55CLC	
45	102	135	175	222	277	339												
55	-	-	-	-	-	-	7,7	166	14,1	S/F	270	150	AB 5	C/V	DWG01	SM01	EMX3115Y	
45	-	-	-	-	-	-												
55	101	137	178	227	284	348	7,4	166	6,4	S	-	150	AB 5	C	DWG01	SM01	EMX66CLC	
45	122	160	207	261	323	394												
55	103	143	184	233	290	360	7,4	166	6	S	-	150	AB 5	C	DWG01	SM01	EMX70CLC	
45	123	164	210	263	327	403												
55	-	-	-	-	-	-	7,7	166	14,1	S/F	270	150	AB 5	C/V	DWG01	SM01	EMX3118Y	
45	-	-	-	-	-	-												
55	-	-	-	-	-	-	7,7	171	7,8	S/F	270	150	AB 5	C/V	DWG01	SM00	EMY3118Y	

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MODEL	DISPL. cm³	HP	VOLTAGE/FREQUENCY	MOTOR TYPE	TORQUE	APPLICATION	RATED POINT - ASHRAE -23,3 °C / 54,4 °C		RATED POINT - CECOMAF -25 °C / 55 °C		CONDENSING TEMPERATURE °C	EVAPORATING		
							CAPACITY W	EFFICIENCY W/W	CAPACITY W	EFFICIENCY W/W		-30	-25	-20
EMX20CLC	4,0	1/14	220-240V 50Hz 1 ~	RSCR	LST	LBP	63	1,66	48	1,3	55	36	49	64
											45	44	58	76
EMX26CLC	5,2	1/12	220-240V 50Hz 1 ~	RSCR	LST	LBP	81	1,68	60	1,32	55	43	59	80
											45	53	72	96
EMX32CLC	6,0	1/10	220-240V 50Hz 1 ~	RSCR	LST	LBP	92	1,72	69	1,35	55	49	69	90
											45	64	86	111
EMX3109Y	6,2	1/10	100V 50Hz / 100-127V 60Hz 1 ~	RSIR/RSCR	LST	L/MBP	100	1,68	-	-	55	-	-	-
											45	-	-	-
EMC40CLT	7,2	1/8	220-240V 50Hz 1 ~	RSCR	LST	LBP	117	1,79	87	1,4	55	78	107	142
											45	88	118	154
EMC46CLT	8,0	1/7	220-240V 50Hz 1 ~	RSCR	LST	LBP	133	1,8	98	1,37	55	88	119	158
											45	95	129	169
EMX3113Y	9,0	1/7	100V 50Hz / 100-127V 60Hz 1 ~	RSCR	LST	L/MBP	155	1,75	-	-	55	-	-	-
											45	-	-	-
EMX55CLC	9,0	1/6	220-240V 50Hz 1 ~	RSCR	LST	LBP	156	1,74	117	1,37	55	87	117	154
											45	102	135	175
EMX3115Y	10,6	1/5	100V 50Hz / 100-127V 60Hz 1 ~	RSCR	LST	L/MBP	184	1,67	-	-	55	-	-	-
											45	-	-	-
EMX66CLC	10,6	1/5	220-240V 50Hz 1 ~	RSCR	LST	LBP	183	1,73	137	1,37	55	101	137	178
											45	122	160	207
EMX70CLC	11,1	1/5	220-240V 50Hz 1 ~	RSCR	LST	LBP	191	1,71	143	1,34	55	103	143	184
											45	123	164	210
EMX3118Y	12,2	1/5	100V 50Hz / 100-127V 60Hz 1 ~	RSCR	LST	L/MBP	212	1,66	-	-	55	-	-	-
											45	-	-	-
EMY3118Y	12,2	1/5	220-240V 50Hz 1 ~	RSIR	LST	L/MBP	212	1,49	157	1,16	55	-	-	-
											45	-	-	-
EMY3118Y	12,2	1/5	220-240V 50Hz 1 ~	RSCR	LST	L/MBP	213	1,58	158	1,23	55	-	-	-
											45	-	-	-
EMX3118Y	12,2	1/5	220-240V 50Hz 1 ~	RSCR	LST	L/MBP	214	1,72	159	1,34	55	-	-	-
											45	-	-	-

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