



**cubigel**<sup>®</sup>  
compressors

# GENERAL CATALOGUE



for Commercial Refrigeration  
R290 · R600a · R134a · R404A



HUAYI  
COMPRESSOR  
BARCELONA

GENERAL CATALOGUE 2024

Compressors for Commercial Refrigeration R290 · R600a · R134a · R404A

## R600a LBP • 60 Hz

## Natural Refrigerant

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									-35	-30	-25		-10	-23.3				
											W	COP		W	COP			
L22C5L	2.20	1/20	LBP	S	110-120V 60Hz ~1	RSIR	P	C	16	22	30	0.86	63	40	1.10	3.60	Lb	
L30CL	3.10	1/12	LBP	S	220-240V 50/60Hz ~1	RSIR	P	C	22	30	41	0.86	86	55	1.10	3.60	Lc	
B35C	3.50	1/12	LBP	S	220V 60Hz ~1	RSIR	P	C	24	33	45	0.93	94	60	1.18	4.60	Bc	
B35C5B	3.50	1/12	LBP	S	110-115 60Hz ~1	RSIR	P	C	26	36	49	0.94	403	65	1.20	4.60	Bc	
HYB35MHJ42a	3.50	1/12	LBP	ST	115V 60Hz~1	RSIR	P	C	26	36	49	1.04	104	65	1.32	4.26	HYBb	
B43CB	4.30	1/10	LBP	S	220-240V 60Hz ~1	RSIR	P	C	28	38	52	0.98	109	70	1.25	4.60	Bc	
B43C5B	4.30	1/10	LBP	S	110-115V 60Hz ~1	RSIR	P	C	31	43	58	1.02	121	78	1.30	4.60	Bc	
HYB40MHJ42a	4.00	1/10	LBP	ST	115V 60Hz ~1	RSIR	P	C	30	42	57	1.06	120	76	1.35	4.70	HYBd	
B52C5BL	5.20	1/8	LBP	S	110-120V 60Hz ~1	RSCR	P	C	38	53	72	1.18	149	95	1.50	5.20	Be	
HYB50MGU72a	5.00	1/8	LBP	ST	115-127V 60Hz ~1	RSCR	P	C	38	53	72	1.25	152	96	1.58	6.00	HYBf	
B60CBL	6.00	1/6	LBP	S	220-240V 60Hz ~1	RSIR	P	C	44	61	83	1.03	174	110	1.30	4.60	Bc	
HYB60MGU72a	6.00	1/5	LBP	ST	115-127V 60Hz ~1	RSCR	P	C	47	66	90	1.25	190	120	1.58	6.00	HYBf	
HYS60MSU72a	6.00	1/5	LBP	ST	115-127V 60Hz ~1	RSCR	P	C	42	64	90	1.42	187	120	1.80	7.10	HYSb	
HYS67MGU72a	6.70	1/5	LBP	ST	115-127V 60Hz ~1	RSCR	P	C	48	73	102	1.22	212	136	1.55	6.60	HYSc	
HYS67MKU62a	6.70	1/5	LBP	ST	220-240V 60Hz ~1	RSCR	P	C	48	73	102	1.30	212	136	1.65	6.80	HYSc	
HYS69MKU42a	6.90	1/4	LBP	ST	115V 60Hz ~1	RSCR	P	C	51	78	109	1.30	227	145	1.65	6.80	HYSc	
HYE81MSU42	8.10	1/4	LBP	ST	115V 60Hz ~1	RSCR	P	C	65	94	128	1.42	257	170	1.80	9.00	HYEb	
HYS81MKU62a	8.10	1/4	LBP	ST	220-240V 60Hz ~1	RSCR	P	C	56	86	120	1.30	250	160	1.65	6.80	HYSb	
HYE90MSU72a	9.00	1/4	LBP	ST	115-127V 60Hz ~1	RSCR	P	C	70	102	139	1.34	279	185	1.70	8.30	HYSc	
HYE90MXU63	8.90	1/4	LBP	ST	220-240V 50/60Hz ~1	RSCR	P	C	70	102	139	1.48	279	185	1.88	9.40	HYSc	
HYS96MTU72a	9.60	1/4	LBP	ST	115-127V 60Hz ~1	RSCR	P	C	67	102	143	1.34	297	190	1.70	7.10	HYSc	
HYS105MTR	10.50	3/8	LBP	ST	115-127V 60Hz ~1	RSCR	P	C	74	113	158	1.36	329	210	1.72	7.30	HYSd	
HYE105MTU63	10.50	1/4	LBP	ST	220-240V 50/60Hz ~1	RSCR	P	C	80	116	158	1.36	317	210	1.72	9.10	HYEd	
HYE113MSU62	11.30	1/2	LBP	ST	220-240V 60Hz ~1	RSCR	P	C	87	126	172	1.42	345	228	1.80	9.40	HYEd	

## R600a HMBP | HBP • 50 Hz

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									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									-25	-15	-5		-10	7.2				
											W	COP		W	COP			
HFY55MA	5.50	1/6	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	64	110	273	2.38	327	325	2.75	7.10	HFYb	
HFY70MA	6.70	1/6	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	80	137	338	2.37	406	395	2.75	7.10	HFYb	

Green Cooling Models

	Conditions			
	CECOMAF		ASHRAE	
	LBP/LMBP (A)	HMBP/HBP (C)	LBP/LMBP (B)	HMBP/HBP (D)
Evaporating temperature °C	-25	5	-23.3	7.2
Condensing temperature °C	55	55	55	55
Liquid temperature °C	55	55	32	46
Suction temperature °C	32	32	32	35
Ambient temperature °C	32	32	32	35

### Measurement conversion

R290  
W (A) x 1.17 = kcal/h (B)  
W (C) x 1.03 = kcal/h (D)

R600a  
W (A) x 1.15 = kcal/h (B)  
W (C) x 1.02 = kcal/h (D)



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