2.

Compressors Catalogue

R134a

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R134a (*) LBP • 50 Hz

	MODEL	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
										Cecomaf (W)					Ashrae			
												-25			-23.3			
		cm^3	hp							-35	-30	W	COP	-10	kcal/h	COP	Kg	
	GD24AA	2.44	1/20	LBP	S	220-240V 50Hz ~1	RSIR	P	C	12	22	**34**	**0.51**	85	**41**	**0.68**	5.3	Db
	GD30AA	3.08	1/12	LBP	S	220-240V 50Hz ~1	RSIR	P	C	23	36	**52**	**0.74**	117	**62**	**0.96**	5.6	Dc
	GD30AG	3.08	1/12	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	21	34	**49**	**0.6**	111	**58**	**0.79**	5.9	Dc
	GD36AA	3.62	1/12	LBP	S	220-240V 50Hz ~1	RSIR	P	C	28	43	**61**	**0.76**	136	**72**	**0.99**	5.7	Dc
	GD36AFa	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	RSIR	P	C	26	40	**58**	**0.63**	128	**68**	**0.83**	5.9	Dc
	GD36AFb	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	CSIR	R	C-V	26	40	**58**	**0.63**	128	**68**	**0.83**	5.9	Dc
	GD40AA	4.06	1/10	LBP	S	220-240V 50Hz ~1	RSIR	P	C	34	50	**70**	**0.77**	155	**82**	**1.00**	6.1	Dd
	GD40AF	4.06	1/10	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	31	47	**66**	**0.67**	147	**78**	**0.88**	6.8	Dd
✓	GLY45AAa	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	47	65	**89**	**1.01**	192	**104**	**1.30**	8.7	Lb
✓	GLY45AAb	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSCR	P	C	48	66	**90**	**1.05**	193	**105**	**1.36**	8.7	Lb
	GL45AAa	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	37	57	**81**	**0.81**	184	**96**	**1.06**	7.9	Lb
	GL45AAb	4.56	1/8	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	37	57	**81**	**0.81**	184	**96**	**1.06**	7.9	Lb
	GL45ANa	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	36	56	**80**	**0.78**	184	**95**	**1.03**	8.4	Lb
✓	GLY60AAa	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	58	85	**119**	**1.03**	255	**139**	**1.34**	8.7	Lb
✓	GLY60AAb	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSCR	P	C	58	86	**120**	**1.10**	256	**140**	**1.42**	8.7	Lb
	GL60AAa	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	50	75	**107**	**0.85**	239	**126**	**1.10**	8.4	Lb
	GL60AAb	5.98	1/6	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	50	75	**107**	**0.85**	239	**126**	**1.10**	8.4	Lb
	GL60ANa	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	57	82	**114**	**0.83**	244	**133**	**1.09**	9.1	Lc
	GL60ANb	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	57	82	**114**	**0.83**	244	**133**	**1.09**	9.1	Lc
	GL60ANc	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	57	82	**114**	**0.83**	244	**133**	**1.09**	9.1	Lc
✓	GLY80AAa	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	92	123	**164**	**1.07**	349	**191**	**1.37**	10.0	Lc
✓	GLY80AAb	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	93	124	**165**	**1.13**	351	**192**	**1.45**	10.0	Lc
	GL80AAa	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	68	102	**144**	**0.89**	326	**170**	**1.15**	9.0	Lc
	GL80AAb	8.10	1/5	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	68	102	**144**	**0.89**	326	**170**	**1.15**	9.0	Lc
	GL80ANa	8.10	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	75	107	**148**	**0.83**	331	**174**	**1.09**	9.8	Ld
	GL80ANb	8.10	1/5	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	75	107	**148**	**0.83**	331	**174**	**1.09**	9.8	Ld
	GL80ANc	8.10	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	75	107	**148**	**0.83**	331	**174**	**1.09**	9.8	Ld
✓	GLY90AAa	9.09	1/4	LBP	S	220-240V 50Hz ~1	RSIR	P	C	104	140	**186**	**1.07**	387	**216**	**1.37**	10.5	Ld
✓	GLY90AAb	9.09	1/4	LBP	S	220-240V 50Hz ~1	RSCR	P	C	103	140	**187**	**1.13**	388	**217**	**1.45**	10.5	Ld
	GL90AAa	9.09	1/4	LBP	S	220-240V 50Hz ~1	RSIR	P	C	82	119	**165**	**0.90**	351	**193**	**1.15**	9.4	Lc
	GL90AAb	9.09	1/4	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	82	119	**165**	**0.90**	351	**193**	**1.15**	9.4	Lc
	GL90ANa	9.09	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	85	118	**163**	**0.84**	366	**191**	**1.10**	10.4	Ld
	GL90ANb	9.09	1/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	85	118	**163**	**0.84**	366	**191**	**1.10**	10.4	Ld
	GL90ANc	9.09	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	85	118	**163**	**0.84**	366	**191**	**1.10**	10.4	Ld
	GL99AAa	9.95	1/4	LBP	S	220-240V 50Hz ~1	RSIR	P	C	83	125	**175**	**0.92**	377	**205**	**1.19**	9.6	Ld
	GL99AAb	9.95	1/4	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	83	125	**175**	**0.92**	377	**205**	**1.19**	9.6	Ld
✓	GPY12AAa	12.10	3/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	128	178	**241**	**0.96**	500	**280**	**1.23**	11.5	Pd
✓	GPY12AAb	12.10	3/8	LBP	S	220-240V 50Hz ~1	RSCR	P	C	128	178	**241**	**1.04**	500	**280**	**1.33**	11.5	Pd
✓	GPY12LAa	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	113	162	**225**	**1.00**	509	**265**	**1.30**	12.1	Pd
✓	GPY12LAb	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	113	162	**225**	**1.06**	509	**265**	**1.38**	12.1	Pd
	GP12AB	12.05	1/3	LBP	S	220-240V 50Hz ~1	RSIR	R	C	83	132	**190**	**0.88**	424	**225**	**1.14**	11.5	Pc
	GP12CB	12.05	1/3	LBP	F	220-240V 50Hz ~1	RSIR	R	C	83	132	**190**	**0.88**	424	**225**	**1.14**	11.5	Pc
	GP12FB	12.05	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	83	132	**190**	**0.88**	424	**225**	**1.14**	11.5	Pc
	GPM12CA	12.10	3/8	LBP	F	220-240V 50Hz ~1	RSIR	R	C	128	178	**241**	**0.94**	500	**280**	**1.21**	11.3	Pc

✓ Green Cooling Models

New Models

(*) Or HF01234yf / See design drawing on page 66

This table continues in the following page

R134a (*) LBP • 50 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
										Cecomaf (W)					Ashrae			
												-25			-23.3			
										-35	-30	W	COP	-10	kcal/h	COP		
	GP14CB	14.17	3/8	LBP	F	220-240V 50Hz ~1	RSIR	R	C	99	158	**228**	**0.90**	509	**270**	**1.16**	11.5	Pc
	GP14CG	14.17	3/8	LBP	F	200-220/220-230V 50/60Hz ~1	RSIR	R	C	99	158	**228**	**0.83**	509	**270**	**1.08**	11.5	Pc
	GP14FB	14.17	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	99	158	**228**	**0.90**	509	**270**	**1.16**	11.5	Pc
	GP14FC	14.17	3/8	LBP	F	100V 50/60Hz ~1	CSIR	R	C-V	99	158	**228**	**0.73**	509	**270**	**0.95**	12.9	Pd
	GPY16LAa	16.15	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	168	234	**319**	**1.01**	690	**374**	**1.31**	12.6	Pd
	GPY16LAb	16.15	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	168	234	**319**	**1.07**	690	**374**	**1.41**	12.6	Pd
	GP16CB	16.15	3/8	LBP	F	220-240V 50Hz ~1	RSIR	R	C	109	182	**266**	**0.89**	585	**315**	**1.14**	12.0	Pd
	GP16FB	16.15	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	109	182	**266**	**0.89**	585	**315**	**1.14**	12.0	Pd
	GP16FC	16.15	3/8	LBP	F	100V 50/60Hz ~1	CSIR	R	C-V	109	182	**266**	**0.78**	585	**315**	**1.02**	12.9	Pd
	GX21FB	20.72	2/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	151	243	**351**	**0.93**	778	**415**	**1.20**	15.5	Xc

R134a (*) LBP • 60 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
										Cecomaf (W)					Ashrae			
												-25			-23.3			
										-35	-30	W	COP	-10	kcal/h	COP		
	GD24ADa	2.44	1/20	LBP	S	115V 60Hz ~1	RSIR	P	C	14	26	**40**	**0.52**	100	**48**	**0.70**	5.1	Db
	GD24ADb	2.44	1/20	LBP	S	115V 60Hz ~1	CSIR	R	C-V	14	26	**40**	**0.52**	100	**48**	**0.70**	5.1	Db
	GD30AG	3.08	1/12	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	25	39	**57**	**0.67**	130	**68**	**0.88**	5.9	Dc
	GD36AD	3.62	1/12	LBP	S	115V 60Hz ~1	RSIR	P	C	30	47	**68**	**0.65**	150	**80**	**0.85**	6.7	Dc
	GD36AFa	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	RSIR	P	C	30	47	**68**	**0.65**	150	**80**	**0.86**	5.9	Dc
	GD36AFb	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	CSIR	R	C-V	30	47	**68**	**0.65**	150	**80**	**0.86**	5.9	Dc
	GD40AF	4.06	1/10	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	36	54	**77**	**0.70**	172	**91**	**0.91**	6.8	Dd
	GL45ADa	4.56	1/8	LBP	S	115V 60Hz ~1	RSIR	P	C	41	65	**95**	**0.80**	215	**112**	**1.05**	8.1	Lb
	GL45ADb	4.56	1/8	LBP	S	115V 60Hz ~1	CSIR	R	C-V	41	65	**95**	**0.80**	215	**112**	**1.05**	8.1	Lb
	GL45ANa	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	44	65	**93**	**0.83**	213	**110**	**1.09**	8.4	Lb
	GL60ADa	5.98	1/6	LBP	S	115V 60Hz ~1	RSIR	P	C	65	95	**132**	**0.85**	290	**155**	**1.10**	9.1	Lb
	GL60ADb	5.98	1/6	LBP	S	115V 60Hz ~1	CSIR	R	C-V	65	95	**132**	**0.85**	290	**155**	**1.10**	9.1	Lb
	GL60ANa	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	68	95	**131**	**0.88**	285	**153**	**1.15**	9.1	Lc
	GL60ANb	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	68	95	**131**	**0.88**	285	**153**	**1.15**	9.1	Lc
	GL60ANc	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	68	95	**131**	**0.88**	285	**153**	**1.15**	9.1	Lc
	GL80ADa	8.10	1/5	LBP	S	115V 60Hz ~1	RSIR	P	C	84	122	**171**	**0.87**	384	**201**	**1.13**	9.8	Lc
	GL80ADb	8.10	1/5	LBP	S	115V 60Hz ~1	CSIR	R	C-V	84	122	**171**	**0.87**	384	**201**	**1.13**	9.8	Lc
	GL80ANa	8.10	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	87	124	**172**	**0.92**	385	**202**	**1.19**	9.8	Ld
	GL80ANb	8.10	1/5	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	87	124	**172**	**0.92**	385	**202**	**1.19**	9.8	Ld
	GL80ANc	8.10	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	87	124	**172**	**0.92**	385	**202**	**1.19**	9.8	Ld
	GL90ADa	9.09	1/4	LBP	S	115V 60Hz ~1	RSIR	P	C	97	138	**191**	**0.88**	421	**224**	**1.14**	10.5	Ld
	GL90ADb	9.09	1/4	LBP	S	115V 60Hz ~1	CSIR	R	C-V	97	138	**191**	**0.88**	421	**224**	**1.14**	10.5	Ld
	GL90ANa	9.09	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	97	134	**185**	**0.93**	421	**218**	**1.20**	10.4	Ld
	GL90ANb	9.09	1/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	97	134	**185**	**0.93**	421	**218**	**1.20**	10.4	Ld

Green Cooling Models

New Models

(*) Or HFO1234yf / See design drawing on page 66

This table continues in the following page

R134a (*) LBP • 60 Hz

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23.3			
									-35	-30	W	COP	-10	kcal/h	COP	Kg	
GL90ANc	9.09	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	97	134	**185**	**0.93**	421	**218**	**1.20**	10.4	Ld
GL99ADa	9.95	1/4	LBP	S	115V 60Hz ~1	RSIR	P	C	102	148	**205**	**0.89**	439	**240**	**1.15**	10.8	Ld
GL99ADb	9.95	1/4	LBP	S	115V 60Hz ~1	CSIR	R	C-V	102	148	**205**	**0.89**	439	**240**	**1.15**	10.8	Ld
GP14FE	14.17	3/8	LBP	F	115V 60Hz ~1	CSIR	R	C-V	116	185	**267**	**0.72**	596	**316**	**0.94**	12.9	Pd
GP14FC	14.17	3/8	LBP	F	100V 50/60Hz ~1	CSIR	R	C-V	116	185	**267**	**0.83**	596	**316**	**1.08**	12.9	Pd
GP14CG	14.17	3/8	LBP	F	200-220/220-230V 50/60Hz ~1	RSIR	R	C	113	181	**262**	**0.91**	589	**310**	**1.18**	11.5	Pc
GP16FE	16.15	3/8	LBP	F	115V 60Hz ~1	CSIR	R	C-V	125	209	**306**	**0.77**	672	**362**	**1.00**	12.9	Pd
GP16FC	16.15	3/8	LBP	F	100V 50/60Hz ~1	CSIR	R	C-V	125	209	**306**	**0.88**	672	**362**	**1.14**	12.9	Pd

R134a (*) HMBP | HBP • 50 Hz

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											5			7.2			
									-25	-15	W	COP	10	kcal/h	COP	Kg	
GD24MBc	2.44	1/14	HBP	S	220-240V 50Hz ~1	CSIR	R	C-V	36	64	**174**	**1.43**	212	**180**	**1.67**	5.1	Db
GD30MBa	3.08	1/10	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	49	88	**233**	**1.52**	282	**240**	**1.74**	5.8	Dc
GD30MBb	3.08	1/10	HMBP	F	220-240V 50Hz ~1	RSIR	P	C	49	88	**233**	**1.52**	282	**240**	**1.74**	5.8	Dc
GD30MBc	3.08	1/10	HMBP	S	220-240V 50Hz ~1	CSIR	R	C-V	49	88	**233**	**1.52**	282	**240**	**1.74**	5.8	Dc
GD30MBd	3.08	1/10	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	49	88	**233**	**1.52**	282	**240**	**1.74**	5.8	Dc
GD36MBa	3.62	1/10	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	53	96	**261**	**1.52**	318	**270**	**1.74**	6.7	Dd
GD36MBb	3.62	1/10	HMBP	F	220-240V 50Hz ~1	RSIR	P	C	53	96	**261**	**1.52**	318	**270**	**1.74**	6.7	Dd
GD36MBc	3.62	1/10	HMBP	S	220-240V 50Hz ~1	CSIR	R	C-V	53	96	**261**	**1.52**	318	**270**	**1.74**	6.7	Dd
GD36MBd	3.62	1/10	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	53	96	**261**	**1.52**	318	**270**	**1.74**	6.7	Dd
GD40MBa	4.06	1/8	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	64	117	**301**	**1.56**	363	**310**	**1.8**	6.7	Dd
GD40MBb	4.06	1/8	HMBP	F	220-240V 50Hz ~1	RSIR	P	C	64	117	**301**	**1.56**	363	**310**	**1.8**	6.7	Dd
GD40MBc	4.06	1/8	HMBP	S	220-240V 50Hz ~1	CSIR	R	C-V	64	117	**301**	**1.56**	363	**310**	**1.8**	6.7	Dd
GD40MBd	4.06	1/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	64	117	**301**	**1.56**	363	**310**	**1.8**	6.7	Dd
GLY45RAa	4.56	1/6	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	73	140	**374**	**1.96**	451	**385**	**2.25**	8.8	Lb
GLY45RAb	4.56	1/6	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	73	140	**374**	**2.13**	451	**385**	**2.46**	8.8	Lb
GL45PB	4.50	1/6	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	76	134	**342**	**1.62**	413	**352**	**1.86**	8.4	Lb
GL45TB	4.50	1/6	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	76	134	**342**	**1.62**	413	**352**	**1.86**	8.0	Lb
GL45MG	4.50	1/6	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	71	133	**342**	**1.69**	412	**352**	**1.95**	8.8	Lb
GL45TG	4.50	1/6	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	76	134	**342**	**1.68**	413	**352**	**1.95**	8.8	Lb
GLY60RAa	5.98	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	106	191	**486**	**2.06**	586	**500**	**2.36**	9.9	Lc
GLY60RAb	5.98	1/5	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	106	191	**486**	**2.25**	586	**500**	**2.60**	9.9	Lc
GL60PB	5.68	1/5	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	95	170	**437**	**1.82**	528	**450**	**2.09**	9.5	Lc
GL60TB	5.68	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	95	170	**437**	**1.82**	528	**450**	**2.09**	8.6	Lb
GL60TG	5.68	1/5	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	95	170	**437**	**1.82**	528	**450**	**2.09**	9.9	Lc
GL60MG	5.68	1/5	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	85	155	**429**	**1.71**	526	**445**	**1.99**	9.9	Lb
GL60TC	5.68	1/5	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	95	170	**437**	**1.73**	528	**450**	**2.01**	9.8	Lc

This table continues in the following page

Green Cooling Models

New Models

(*) Or HFO1234yf / See design drawing on page 66

R134a (*) HMBP | HBP • 50 Hz

MODEL	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											5			7.2			
	cm³	hp							-25	-15	W	COP	10	kcal/h	COP	Kg	
GLY80RAa	8.10	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	159	275	**681**	**2.17**	819	**700**	**2.50**	10.4	Lc
GLY80RAb	8.10	1/5	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	159	275	**681**	**2.35**	819	**700**	**2.71**	10.4	Lc
GL80PB	7.57	1/5	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	111	212	**554**	**1.83**	668	**570**	**2.10**	9.5	Lc
GL80TB	7.57	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	111	212	**554**	**1.83**	668	**570**	**2.10**	9.2	Lc
GL80TG	7.57	1/5	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	111	212	**554**	**1.83**	668	**570**	**2.10**	10.1	Lc
GL80MG	7.57	1/5	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	136	220	**579**	**1.80**	709	**600**	**2.11**	10.1	Lc
GL80TC	7.57	1/5	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	111	212	**554**	**1.87**	668	**570**	**2.21**	10.4	Lc
GLY90RAa	9.09	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	169	298	**748**	**2.06**	901	**770**	**2.37**	10.5	Lc
GLY90RAb	9.09	1/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	169	298	**748**	**2.27**	901	**770**	**2.61**	10.5	Lc
GL90PB	8.85	1/4	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	143	259	**661**	**1.91**	796	**680**	**2.20**	10.8	Ld
GL90TB	8.85	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	143	259	**661**	**1.91**	796	**680**	**2.20**	9.6	Lc
GL90TG	8.85	1/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	143	259	**661**	**1.81**	796	**680**	**2.08**	10.8	Ld
GL90MG	8.85	1/4	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	110	242	**665**	**1.81**	803	**685**	**2.10**	10.8	Ld
GL90TC	8.85	1/4	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	143	259	**661**	**1.76**	796	**680**	**2.08**	10.9	Ld
GLY99RAa (**)	9.95	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	189	328	**814**	**2.01**	972	**836**	**2.31**	10.8	Ld
GLY99RAb (**)	9.95	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	189	328	**814**	**2.18**	972	**836**	**2.49**	10.8	Ld
GL11TB	10.97	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	190	330	**817**	**1.94**	985	**840**	**2.23**	10.3	Ld
GPY12RAa	12.10	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	228	401	**993**	**2.05**	1192	**1020**	**2.35**	12.6	Pd
GPY12RAb	12.10	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	228	401	**993**	**2.24**	1192	**1020**	**2.58**	12.6	Pd
GP12PB	12.05	3/8	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	169	338	**893**	**1.80**	1077	**920**	**2.06**	11.2	Pc
GP12TB	12.05	3/8	HBP	F	220-240V 50Hz ~1	CSIR	R	C-V	169	338	**893**	**1.80**	1077	**920**	**2.06**	10.1	Pc
GP12TG	12.05	3/8	HBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	169	338	**893**	**1.77**	1077	**920**	**2.02**	11.2	Pc
GPY14RAa	14.32	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	296	492	**1161**	**1.98**	1386	**1190**	**2.27**	12.6	Pd
GPY14RAb	14.32	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	296	492	**1161**	**2.18**	1386	**1190**	**2.50**	12.6	Pd
GPY16RAa	16.15	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	315	522	**1248**	**2.20**	1490	**1351**	**2.31**	12.8	Pd
GPY16RAb	16.15	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	315	522	**1248**	**2.38**	1490	**1351**	**2.50**	12.8	Pd
GP14PB	14.17	3/8	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	191	373	**999**	**1.77**	1209	**1030**	**2.03**	11.5	Pd
GP14TB	14.17	3/8	HBP	F	220-240V 50Hz ~1	CSIR	R	C-V	191	373	**999**	**1.77**	1209	**1030**	**2.03**	11.2	Pd
GP14TG	14.17	3/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	191	373	**999**	**1.77**	1209	**1030**	**2.03**	12.9	Pd
GP16TB	16.15	3/8	HBP	F	220-240V 50Hz ~1	CSIR	R	C-V	269	476	**1205**	**1.81**	1452	**1240**	**2.09**	13.1	Pd
GP16TG	16.15	3/8	HBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	269	476	**1205**	**1.82**	1452	**1240**	**2.09**	12.9	Pd
GPT16RG	16.15	1/2	HBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	305	539	**1364**	**2.08**	1644	**1404**	**2.39**	12.3	Pd
GX18TB	18.40	1/2	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	286	539	**1390**	**1.91**	1674	**1430**	**2.20**	15.0	Xc
GX18TG	18.40	1/2	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	286	539	**1390**	**1.91**	1674	**1430**	**2.20**	15.9	Xc
GX21TB	20.72	5/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	323	603	**1550**	**1.90**	1867	**1595**	**2.18**	17.0	Xd
GX23TB	23.20	5/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	368	678	**1730**	**1.89**	2083	**1780**	**2.18**	17.0	Xd
GX23TG	23.20	5/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	368	678	**1730**	**1.80**	2083	**1780**	**2.08**	17.0	Xd
GS26TB	25.93	3/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	265	703	**2071**	**2.09**	2515	**2140**	**2.42**	22.7	Sc
GS26TG	25.93	3/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	265	703	**2071**	**2.15**	2515	**2140**	**2.49**	22.7	Sc
GS26T3	25.93	3/4	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	265	703	**2071**	**2.21**	2515	**2140**	**2.55**	22.7	Sc
GS30TB	29.95	7/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	318	786	**2452**	**2.33**	3020	**2550**	**2.70**	22.7	Sd
GS30TG	29.95	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	318	786	**2452**	**2.33**	3020	**2550**	**2.70**	23.0	Sd
GS34TB	34.42	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	476	1068	**2852**	**2.28**	3422	**2931**	**2.62**	22.7	Sd

Green Cooling Models **(*) Or HFO1234yf** (**) Model under development. Provisional performances/data. **/ See design drawing on page 66**

New Models

R134a (*) HMBP | HBP • 60 Hz

	MODEL	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
												Cecomaf (W)				Ashrae		
												5				7.2		
		cm³	hp							-25	-15	W	COP	10	kcal/h	COP	Kg	
	GD24MEa	2.44	1/14	HMBP	S	115V 60Hz ~1	RSIR	P	C	38	75	**203**	**1.41**	247	**210**	**1.63**	5.1	Db
	GD24MEc	2.44	1/14	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	38	75	**203**	**1.41**	247	**210**	**1.63**	5.1	Db
	GD30MEa	3.08	1/10	HMBP	S	115V 60Hz ~1	RSIR	P	C	57	104	**272**	**1.43**	330	**281**	**1.63**	5.8	Dc
	GD30MEb	3.08	1/10	HMBP	F	115V 60Hz ~1	RSIR	P	C	57	104	**272**	**1.43**	330	**281**	**1.63**	5.8	Dc
	GD30MEc	3.08	1/10	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	57	104	**272**	**1.43**	330	**281**	**1.63**	5.8	Dc
	GD30MEd	3.08	1/10	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	57	104	**272**	**1.43**	330	**281**	**1.63**	5.8	Dc
	GD36MEa	3.62	1/10	HMBP	S	115V 60Hz ~1	RSIR	P	C	61	111	**305**	**1.45**	373	**316**	**1.67**	6.7	Dd
	GD36MEb	3.62	1/10	HMBP	F	115V 60Hz ~1	RSIR	P	C	61	111	**305**	**1.45**	373	**316**	**1.67**	6.7	Dd
	GD36MEc	3.62	1/10	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	61	111	**305**	**1.45**	373	**316**	**1.67**	6.7	Dd
	GD36MEd	3.62	1/10	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	61	111	**305**	**1.45**	373	**316**	**1.67**	6.7	Dd
	GD40MEa	4.06	1/8	HMBP	S	115V 60Hz ~1	RSIR	P	C	74	137	**353**	**1.47**	425	**363**	**1.69**	6.7	Dd
	GD40MEb	4.06	1/8	HMBP	F	115V 60Hz ~1	RSIR	P	C	74	137	**353**	**1.47**	425	**363**	**1.69**	6.7	Dd
	GD40MEc	4.06	1/8	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	74	137	**353**	**1.47**	425	**363**	**1.69**	6.7	Dd
	GD40MEd	4.06	1/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	74	137	**353**	**1.47**	425	**363**	**1.69**	6.7	Dd
	GL45MG	4.50	1/6	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	90	157	**400**	**1.66**	483	**412**	**1.92**	8.8	Lb
	GL45PE	4.50	1/6	HMBP	F	115V 60Hz ~1	RSIR	R	C	89	157	**400**	**1.60**	483	**412**	**1.84**	8.4	Lb
	GL45TE	4.50	1/6	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	89	157	**400**	**1.60**	483	**412**	**1.84**	8.6	Lb
	GL45TG	4.50	1/6	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	89	157	**400**	**1.66**	483	**412**	**1.92**	8.8	Lb
	GL60PE	5.68	1/5	HMBP	F	115V 60Hz ~1	RSIR	R	C	111	199	**511**	**1.75**	616	**526**	**2.01**	9.5	Lc
	GL60TE	5.68	1/5	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	111	199	**511**	**1.75**	616	**526**	**2.01**	9.7	Lc
	GL60MG	5.68	1/5	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	108	185	**501**	**1.74**	615	**520**	**2.02**	9.9	Lb
	GL60TC	5.68	1/5	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	111	199	**511**	**1.75**	616	**526**	**2.01**	9.8	Lc
	GL60TG	5.68	1/5	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	111	199	**511**	**1.77**	616	**526**	**2.04**	9.9	Lc
✓	GLY80RDa	8.10	1/5	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	169	299	**776**	**2.03**	939	**800**	**2.34**	10.6	Lc
✓	GLY80RDb	8.10	1/5	HMBP	F	115V 60Hz ~1	CSR	R	C-V	169	299	**776**	**2.18**	939	**800**	**2.51**	10.6	Lc
	GL80PE	7.57	1/5	HMBP	F	115V 60Hz ~1	RSIR	R	C	130	249	**648**	**1.79**	781	**667**	**2.04**	9.5	Lc
	GL80TE	7.57	1/5	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	130	249	**648**	**1.79**	781	**667**	**2.04**	10.1	Lc
	GL80MG	7.57	1/5	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	203	276	**677**	**1.86**	830	**702**	**2.15**	10.1	Lc
	GL80TC	7.57	1/5	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	130	249	**648**	**1.93**	781	**667**	**2.22**	10.4	Lc
	GL80TG	7.57	1/5	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	130	249	**648**	**1.79**	781	**667**	**2.04**	10.1	Lc
✓	GLY90RDa	9.09	1/4	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	198	348	**875**	**1.96**	1053	**900**	**2.25**	10.6	Lc
✓	GLY90RDb	9.09	1/4	HMBP	F	115V 60Hz ~1	CSR	R	C-V	198	348	**875**	**2.11**	1053	**900**	**2.42**	10.6	Lc
	GL90PE	8.85	1/4	HMBP	F	115V 60Hz ~1	RSIR	R	C	167	303	**773**	**1.79**	932	**796**	**2.06**	10.8	Ld
	GL90TE	8.85	1/4	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	167	303	**773**	**1.79**	932	**796**	**2.06**	10.8	Ld
	GL90TG	8.85	1/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	168	303	**773**	**1.72**	932	**796**	**1.97**	10.8	Ld
	GL90MG	8.85	1/4	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	172	300	**775**	**1.84**	940	**800**	**2.11**	10.8	Ld
	GL90TC	8.85	1/4	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	167	303	**773**	**1.83**	932	**796**	**2.10**	10.9	Ld
✓	GPY12RDa	12.10	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	281	480	**1151**	**1.96**	1375	**1180**	**2.25**	12.3	Pd
✓	GPY12RDb	12.10	3/8	HMBP	F	115V 60Hz ~1	CSR	R	C-V	281	480	**1151**	**2.12**	1375	**1180**	**2.44**	12.3	Pd
	GP12PE	12.05	3/8	HMBP	F	115V 60Hz ~1	RSIR	R	C	198	395	**1045**	**1.83**	1260	**1076**	**2.10**	11.2	Pc
	GP12TE	12.05	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	198	395	**1045**	**1.83**	1260	**1076**	**2.10**	11.2	Pc
	GP12TG	12.05	3/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	198	395	**1045**	**1.69**	1260	**1076**	**1.93**	11.2	Pc
✓	GPY14RDa	14.32	1/2	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	318	516	**1411**	**1.91**	1739	**1467**	**2.22**	12.8	Pd
✓	GPY14RDb	14.32	1/2	HMBP	F	115V 60Hz ~1	CSR	R	C-V	318	516	**1411**	**2.04**	1739	**1467**	**2.36**	12.8	Pd

✓ Green Cooling Models

New Models

(*) Or HFO1234yf **/ See design drawing on page 66**

This table continues in the following page

R134a (*) HMBP | HBP • 60 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
										Cecomaf (W)					Ashrae			
												5			7.2			
										-25	-15	W	COP	10	kcal/h	COP		
	GP14PE	14.17	3/8	HMBP	F	115V 60Hz ~1	RSIR	R	C	222	437	**1168**	**1.78**	1414	**1205**	**2.03**	11.5	Pd
	GP14TE	14.17	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	222	437	**1168**	**1.78**	1414	**1205**	**2.03**	11.5	Pd
	GP14TG	14.17	3/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	222	437	**1168**	**1.78**	1414	**1205**	**2.03**	12.9	Pd
	GPY16RDa	16.15	1/2	HBP	F	115V 60Hz ~1	CSIR	R	C-V	349	614	**1519**	**1.89**	1822	**1560**	**2.17**	12.5	Pd
	GPY16RDb	16.15	1/2	HBP	F	115V 60Hz ~1	CSR	R	C-V	349	614	**1519**	**2.01**	1822	**1560**	**2.31**	12.5	Pd
	GP16TE	16.15	3/8	HBP	F	115V 60Hz ~1	CSIR	R	C-V	313	557	**1409**	**1.71**	1698	**1450**	**1.96**	12.9	Pd
	GP16TR	16.15	3/8	HBP	F	115-127V 60Hz ~1	CSIR	R	C-V	313	557	**1409**	**1.74**	1698	**1450**	**2.01**	12.5	Pd
	GP16TG	16.15	3/8	HBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	313	557	**1409**	**1.75**	1698	**1450**	**2.00**	12.9	Pd
	GPT16RG	16.15	1/2	HBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	342	619	**1596**	**2.06**	1923	**1612**	**2.37**	12.5	Pd
	GX18TG	18.40	1/2	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	334	630	**1626**	**1.89**	1958	**1673**	**2.17**	15.9	Xc
	GX23TG	23.20	5/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	429	792	**2022**	**1.73**	2434	**2080**	**1.98**	17.0	Xd
	GS26TG	25.93	3/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	307	824	**2421**	**2.08**	2936	**2500**	**2.40**	22.7	Sc
	GS26T3	25.93	3/4	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	307	824	**2421**	**2.09**	2936	**2500**	**2.40**	22.7	Sc
	GS30TG	29.95	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	371	921	**2867**	**2.24**	3528	**2981**	**2.61**	23.0	Sd
	GS34TF	34.42	1	HMBP	F	220-230V 60Hz ~1	CSR	R	C-V	551	1248	**3329**	**2.18**	3992	**3421**	**2.50**	22.7	Sd

R134a (*) MBP • 50 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C					WEIGHT Kg	DESIGN
										-25	-20	-10	-5	0		
	GD24NG	2.44	1/14	MBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	33	47	86	111	140	5.5	Db
	GD24NBa	2.44	1/14	MBP	S	220-240V 50Hz ~1	RSIR	P	C	33	47	86	111	140	5.1	Db

R134a (*) MBP • 60 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C					WEIGHT Kg	DESIGN
										-25	-20	-10	-5	0		
	GD24NEa	2.44	1/14	MBP	S	115V 60Hz ~1	RSIR	P	C	38	55	101	130	164	5.1	Db
	GD24NG	2.44	1/14	MBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	38	55	101	130	164	5.5	Db
	GD30NEa	3.08	1/10	MBP	S	115V 60Hz ~1	RSIR	P	C	57	77	137	175	220	5.8	Dc
	GD40NEa	4.06	1/8	MBP	S	115V 60Hz ~1	RSIR	P	C	74	102	180	230	288	6.0	Dd

Green Cooling Models **(*) Or HFO1234yf / See design drawing on page 66**

New Models

R134a (*) VHBP • 50 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C 0	5	10	20	25	WEIGHT Kg	DESIGN
	GL45YG	4.50	1/6	VHBP	S	230V 50/60Hz ~1	CSIR	R	C-V	264	329	409	610	732	8.8	Lb
	GL99YB	9.95	3/8	VHBP	S	220-240V 50Hz ~1	RSCR	P	C	592	750	930	1355	1599	11.2	Ld
	GP12YG	12.05	3/8	VHBP	S	230V 50/60Hz ~1	CSIR	R	C-V	732	913	1130	1675	2003	12.7	Pd
	GP14YB	14.17	3/8	VHBP	S	220-240V 50Hz ~1	RSCR	P	C	904	1101	1346	1980	2369	13.5	Pd
	GP16YB	16.15	1/2	VHBP	S	220-240V 50Hz ~1	RSCR	P	C	931	1151	1404	2007	2358	13.5	Pd
	GP16YGb	16.15	1/2	VHBP	S	230V 50/60Hz ~1	CSR	R	C-V	974	1201	1475	2167	2585	12.9	Pd

R134a (*) VHBP • 60 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C 0	5	10	20	25	WEIGHT Kg	DESIGN
	GL45YG	4.5	1/6	VHBP	S	230V 50/60Hz ~1	CSIR	R	C-V	307	382	474	708	851	8.8	Lb
	GP12YG	12.05	3/8	VHBP	S	230V 50/60Hz ~1	CSIR	R	C-V	856	1070	1324	1958	2337	12.7	Pd
	GP16YGb	16.15	1/2	VHBP	S	230V 50/60Hz ~1	CSR	R	C-V	1131	1399	1723	2533	3021	12.9	Pd

R134a HMBP • 50 | 60 Hz — Variable Speed Compressors

	MODEL	DISPLACEMENT cm³	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C Cecomaf (W) -25	-15	+5 W	+5 COP	+10	Ashrae +7.2 kcal/h	Ashrae +7.2 COP	WEIGHT Kg	DESIGN
								1800	115	205	**542**	**2.52**	658	**560**	**2.92**		
								2100	135	242	**630**	**2.6**	764	**651**	**2.98**		
	GLT99FSN	9.95	HMBP	F	220-240V 50/60Hz ~1	ECM	C-V	2400	153	275	**712**	**2.54**	860	**734**	**2.92**	11.2	Lc
								3000	188	340	**868**	**2.42**	1046	**894**	**2.77**		
								3600	222	391	**1030**	**2.30**	1253	**1065**	**2.62**		

Green Cooling Models **(*) Or HF01234yf / See design drawing on page 66**

New Models

R134a LBP | MBP | HBP • DC 50 | 60 Hz

Mobile Compressors

MODEL	DISPLACEMENT cm³	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
								Cecomaf (W)					Ashrae			
								-30	-25 W	-25 COP	-10	+10	-23.3 kcal/h	-23.3 COP		
GD30FDC 12-42V	3.0	LBP MBP HBP	S / F	12-24-42V DC	ECM	C	1500	18	**24**	**0.97**	57	150	**28**	**1.24**	5.4	Db
							2000	25	**34**	**0.98**	82	210	**40**	**1.28**		
							2500	30	**42**	**0.96**	104	264	**50**	**1.26**		
							3000	35	**49**	**0.95**	122	-	**58**	**1.24**		
							3500	39	**54**	**0.94**	136	-	**64**	**1.22**		
GD30FDC Dual (*)	3.0	LBP MBP HBP	S / F	12-24-42V DC 100-240V 50/60Hz	ECM	C	1500	18	**24**	**0.97**	57	150	**28**	**1.24**	5.5	Db
							2000	25	**34**	**0.98**	82	210	**40**	**1.28**		
							2500	30	**42**	**0.96**	104	-	**50**	**1.26**		
							3000	35	**49**	**0.95**	122	-	**58**	**1.24**		
							3500	39	**54**	**0.94**	-	-	**64**	**1.22**		
GD30FDC 48-56V (*)	3.0	LBP MBP HBP	S / F	48-56V DC	ECM	C	1500	18	**24**	**0.97**	57	150	**28**	**1.24**	5.4	Db
							2000	25	**34**	**0.98**	82	210	**40**	**1.28**		
							2500	30	**42**	**0.96**	104	264	**50**	**1.26**		
							3000	35	**49**	**0.95**	122	-	**58**	**1.24**		
							3500	39	**54**	**0.94**	136	-	**64**	**1.22**		

R134a HMBP • DC

Mobile Compressors

MODEL	DISPLACEMENT cm³	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
								Cecomaf (W)					Ashrae			
								-25	-15	+5 W	+5 COP	+10	+7,2 kcal/h	+7,2 COP		
GLT80TDC 24-42V	8.1	HMBP	F	24-42V DC	ECM	C	1500	78	139	**362**	**1.93**	421	**369**	**2.19**	8.4	Lc
							2000	107	190	**487**	**2.06**	565	**497**	**2.34**		
							2500	135	238	**601**	**1.99**	710	**613**	**2.26**		
							3000	161	281	**711**	**1.91**	840	**725**	**2.17**		
							3500	185	320	**818**	**1.82**	962	**834**	**2.07**		

Green Cooling Models

New Models

(*) Model under development. Provisional performances/data. / See design drawing on page 66

	Testing cycle conditions			
	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (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
R134a
W(A) x 1.05 = kcal/h (B)
W(C) x 0.94 = kcal/h (D)

GS Compressor's range can be provided with tube or valve

2.

Compressors Catalogue

R404A/R507

R404A • R507 (*) LBP • 50 Hz

	MODEL	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
										Cecomaf (W)					Ashrae			
												-25			-23.3			
		cm³	hp							-40	-30	W	COP	-10	kcal/h	COP	Kg	
✓	MLY40AAa	4.02	1/7	LBP	S	220-240V 50Hz ~1	RSIR	P	C	45	95	**130**	**0.89**	271	**166**	**1.25**	10.1	Lb
✓	MLY40AAb	4.02	1/7	LBP	S	220-240V 50Hz ~1	RSCR	P	C	45	95	**130**	**0.94**	271	**166**	**1.32**	10.1	Lb
✓	MLY45LAa	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	61	118	**158**	**0.92**	318	**200**	**1.30**	9.9	Lc
✓	MLY45LAb	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	61	118	**158**	**0.98**	318	**200**	**1.38**	9.9	Lc
	ML45FB	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	52	100	**134**	**0.66**	275	**170**	**0.94**	9.9	Lb
	ML45FG	4.56	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	52	100	**134**	**0.68**	275	**170**	**0.96**	10.3	Lc
✓	MLY60LAa	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	87	169	**222**	**0.90**	430	**280**	**1.26**	10.3	Lc
✓	MLY60LAb	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	87	169	**222**	**0.97**	430	**280**	**1.36**	10.3	Lc
	ML60FB	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	69	134	**178**	**0.71**	352	**225**	**1.01**	10.2	Lc
	ML60FG	5.98	1/5	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	69	134	**178**	**0.71**	352	**225**	**1.01**	10.3	Lc
✓	MLY80LAa	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	104	208	**276**	**0.91**	550	**350**	**1.28**	11.6	Ld
✓	MLY80LAb	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	104	208	**276**	**0.98**	550	**350**	**1.38**	11.6	Ld
	ML80FB	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	100	190	**253**	**0.78**	507	**320**	**1.09**	10.0	Lc
	ML80FG	8.10	1/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	100	190	**253**	**0.77**	507	**320**	**1.08**	11.3	Ld
✓	MLY90LAa	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	121	236	**313**	**0.91**	614	**395**	**1.28**	11.9	Ld
✓	MLY90LAb	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	121	236	**313**	**0.98**	614	**395**	**1.38**	11.9	Ld
	ML90FB	8.86	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	104	208	**276**	**0.83**	550	**350**	**1.16**	10.1	Ld
	ML90FG	8.86	1/3	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	104	208	**276**	**0.80**	550	**350**	**1.13**	11.3	Ld
✓	MPT12LA	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	194	348	**453**	**1.01**	876	**570**	**1.42**	13.0	Pd
✓	MPT14LA	14.32	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	243	420	**535**	**0.99**	988	**670**	**1.38**	13.4	Pd
✓	MPT16LA	16.15	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	260	467	**610**	**0.97**	1165	**765**	**1.40**	12.8	Pd
	MP12FB	12.05	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	104	252	**351**	**0.83**	747	**450**	**1.16**	12.0	Pd
	MP12FG	12.05	3/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	104	252	**351**	**0.82**	747	**450**	**1.16**	12.7	Pd
	MP14FB	14.17	1/2	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	121	304	**422**	**0.80**	880	**540**	**1.12**	13.9	Pd
	MP14FG	14.17	1/2	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	121	304	**422**	**0.80**	880	**540**	**1.12**	13.0	Pd
	MX18FBa	18.40	5/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	174	397	**548**	**0.96**	1151	**700**	**1.36**	16.0	Xd
	MX21FBa	20.72	3/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	213	464	**632**	**0.96**	1301	**805**	**1.35**	16.0	Xd
	MX21FG	20.72	3/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	213	464	**632**	**0.96**	1301	**805**	**1.35**	16.2	Xd
	MX23FB	23.20	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	260	536	**720**	**0.96**	1460	**915**	**1.35**	16.4	Xd
	MX23FG	23.20	7/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	260	536	**720**	**0.95**	1460	**915**	**1.34**	17.8	Xd
	MS26FB	25.93	3/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	182	572	**816**	**0.97**	1744	**1050**	**1.37**	22.6	Sd
	MS26FG	25.93	3/4	LBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	174	550	**779**	**0.96**	1632	**1000**	**1.35**	22.6	Sd
	MS26F3	25.93	3/4	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	174	550	**779**	**0.96**	1632	**1000**	**1.35**	20.8	Sd
	MS30FB	29.95	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	208	657	**935**	**0.95**	1977	**1201**	**1.35**	22.7	Sd
	MS30F3	29.95	7/8	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	208	657	**934**	**0.93**	1976	**1200**	**1.32**	24.0	Sd
	MS34FB	34.42	1	LBP	F	220V 50Hz ~1	CSR	R	C-V	243	764	**1089**	**0.96**	2319	**1400**	**1.35**	22.7	Sd
	MS34FBb	34.42	1	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	243	764	**1089**	**0.96**	2319	**1400**	**1.35**	22.7	Sd
	MS34F3	34.42	1	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	243	764	**1089**	**1.00**	2319	**1400**	**1.40**	22.9	Sd

✓ Green Cooling Models

New Models

(*) Or R407B / See design drawing on page 66

R404A • R507 (*) LBP • 60 Hz

	MODEL	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
										Cecomaf (W)					Ashrae			
												-25			-23.3			
		cm³	hp							-40	-30	W	COP	-10	kcal/h	COP	Kg	
	ML45FR	4.56	1/6	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	61	118	**157**	**0.72**	322	**200**	**1.01**	10.3	Lc
	ML45FG	4.56	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	61	118	**157**	**0.69**	322	**200**	**0.97**	10.3	Lc
✓	MLY60LDa	5.98	1/5	LBP	F	115V 60Hz ~1	CSIR	R	C-V	102	198	**260**	**0.89**	503	**328**	**1.25**	10.3	Lc
✓	MLY60LDb	5.98	1/5	LBP	F	115V 60Hz ~1	CSR	R	C-V	102	198	**260**	**0.95**	503	**328**	**1.34**	10.3	Lc
	ML60FR	5.98	1/5	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	82	157	**208**	**0.72**	412	**263**	**1.01**	11.0	Lc
	ML60FG	5.98	1/5	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	82	157	**208**	**0.70**	412	**263**	**0.99**	10.3	Lc
	ML80FR	8.10	1/4	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	117	224	**297**	**0.75**	593	**376**	**1.05**	11.3	Ld
	ML80FG	8.10	1/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	117	224	**297**	**0.76**	593	**376**	**1.07**	11.3	Ld
✓	MLT90LD	9.09	1/3	LBP	F	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
✓	MLT90CD	9.09	1/3	LBP	F	115V 60Hz ~1	RSCR	P	C	165	291	**383**	**1.03**	773	**485**	**1.45**	10.3	Ld
✓	MLT90CDc	9.09	1/3	LBP	S	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
	ML90FR	8.86	1/3	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	121	243	**324**	**0.79**	644	**410**	**1.11**	11.3	Ld
	ML90FG	8.86	1/3	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	121	243	**324**	**0.80**	644	**410**	**1.12**	11.3	Ld
✓	MPT12LD	12.10	3/8	LBP	F	115V 60Hz ~1	CSR	R	C-V	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd
✓	MPT12CD	12.10	3/8	LBP	F	115V 60Hz ~1	RSCR	P	C	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd
	MP12FR	12.05	3/8	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	121	295	**411**	**0.81**	874	**527**	**1.15**	12.7	Pd
	MP12FG	12.05	3/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	121	295	**411**	**0.85**	874	**527**	**1.19**	12.7	Pd
	MP14FE	14.17	1/2	LBP	F	115V 60Hz ~1	CSIR	R	C-V	142	356	**494**	**0.77**	1030	**632**	**1.10**	13.0	Pd
	MP14FG	14.17	1/2	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	142	356	**494**	**0.82**	1030	**632**	**1.15**	13.0	Pd
✓	MPT14LF	14.32	1/2	LBP	F	208-230V 60Hz ~1	CSR	R	C-V	268	472	**610**	**0.95**	1190	**770**	**1.34**	13.4	Pd
	MX21FG	20.72	3/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	248	542	**738**	**0.94**	1520	**940**	**1.32**	16.2	Xd
	MX23FG	23.20	7/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	304	628	**846**	**0.94**	1718	**1075**	**1.32**	17.8	Xd
	MS26FF	25.93	3/4	LBP	F	208-230V 60Hz ~1	CSR	R	C-V	203	643	**912**	**0.92**	1910	**1170**	**1.30**	22.6	Sd
	MS26FG	25.93	3/4	LBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	203	643	**912**	**0.92**	1910	**1170**	**1.31**	22.6	Sd
	MS26F3	25.93	3/4	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	203	643	**912**	**0.92**	1910	**1170**	**1.31**	20.8	Sd
	MS30FF	29.95	7/8	LBP	F	208-230V 60Hz ~1	CSR	R	C-V	243	765	**1090**	**0.93**	2311	**1400**	**1.31**	22.7	Sd
	MS30FG	29.95	7/8	LBP	F	230V 60Hz ~1	CSR	R	C-V	243	765	**1090**	**0.96**	2311	**1400**	**1.36**	22.7	Sd
	MS30F3	29.95	7/8	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	243	765	**1090**	**0.94**	2311	**1400**	**1.32**	24.0	Sd
	MS34F3	34.42	1	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	278	887	**1267**	**0.96**	2706	**1630**	**1.35**	22.9	Sd

✓ Green Cooling Models **(*) Or R407B / See design drawing on page 66**

◢ New Models

R404A • R507(*) HMBP | HBP • 50 Hz

	MODEL	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
										Cecomaf (W)					Ashrae			
												5			7.2			
		cm³	hp							-25	-15	W	COP	10	kcal/h	COP	Kg	
	ML40TB	4.05	1/6	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	133	214	**473**	**1.43**	558	**510**	**1.74**	10.0	Lc
	ML40TG	4.05	1/6	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	133	214	**473**	**1.43**	558	**510**	**1.74**	10.0	Lc
	ML45TB	4.50	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	151	238	**528**	**1.49**	624	**570**	**1.82**	10.1	Lc
	ML45TG	4.50	1/5	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	151	238	**528**	**1.49**	624	**570**	**1.82**	10.0	Lc
	MLY60RAa	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	212	346	**766**	**1.77**	902	**825**	**2.15**	10.5	Lc
	MLY60RAb	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	212	346	**766**	**1.93**	902	**825**	**2.36**	10.5	Lc
	ML60TB	5.68	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	166	277	**647**	**1.53**	769	**700**	**1.85**	10.1	Lc
	ML60TG	5.68	1/4	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	166	277	**647**	**1.53**	769	**700**	**1.85**	10.0	Lc
	MLY80RAa	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	282	463	**1055**	**1.86**	1250	**1140**	**2.27**	10.2	Ld
	MLY80RAb	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	282	463	**1055**	**2.02**	1250	**1140**	**2.46**	10.2	Ld
	ML80TB	7.57	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	227	385	**880**	**1.63**	1040	**950**	**1.99**	11.4	Ld
	ML80TG	7.57	3/8	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	227	385	**880**	**1.63**	1040	**950**	**1.99**	11.2	Ld
	MLY90RAa	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	317	512	**1132**	**1.75**	1334	**1220**	**2.13**	11.3	Ld
	MLY90RAb	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	317	511	**1136**	**1.92**	1340	**1225**	**2.34**	11.3	Ld
	ML90TB	8.86	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	282	463	**1055**	**1.63**	1250	**1140**	**1.98**	11.6	Ld
	ML90TG	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	282	463	**1055**	**1.63**	1250	**1140**	**1.98**	12.7	Ld
	MP12RB	12.05	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	373	634	**1463**	**1.89**	1732	**1580**	**2.30**	13.5	Pd
	MP12TG	12.05	1/2	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	373	634	**1463**	**1.85**	1732	**1580**	**2.25**	13.5	Pd
	MPT12RA (**)	12.10	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	398	676	**1560**	**1.93**	1845	**1685**	**2.35**	12.6	Pd
	MP14RB	14.17	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	463	765	**1674**	**1.76**	1963	**1800**	**2.14**	13.5	Pd
	MPT14RA (**)	14.32	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	478	784	**1760**	**1.81**	2078	**1900**	**2.20**	13.5	Pd
	MX16TB	16.03	3/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	484	818	**1880**	**1.76**	2225	**2030**	**2.15**	16.2	Xc
	MX18TB	18.40	7/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	554	937	**2157**	**1.78**	2554	**2330**	**2.18**	16.0	Xd
	MX18TG	18.40	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	554	937	**2157**	**1.78**	2554	**2330**	**2.18**	17.0	Xd
	MX21TB	20.72	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	625	1052	**2425**	**1.77**	2873	**2620**	**2.15**	17.4	Xd
	MX21TG	20.72	1	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	625	1052	**2425**	**1.77**	2873	**2620**	**2.15**	17.6	Xd
	MS18T3	18.10	7/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	423	838	**2137**	**1.92**	2557	**2320**	**2.35**	20.0	Sc
	MS22TB	21.75	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	453	972	**2566**	**2.04**	3077	**2789**	**2.50**	20.5	Sc
	MS22T3	21.75	1	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	453	975	**2576**	**2.01**	3090	**2800**	**2.45**	20.0	Sc
	MS26TB	25.93	1 3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	675	1295	**3185**	**2.02**	3789	**3449**	**2.46**	23.0	Sd
	MS26TG	25.93	1 3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	675	1295	**3186**	**2.02**	3791	**3451**	**2.46**	23.0	Sd
	MS26T3	25.93	1 3/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	675	1295	**3186**	**2.01**	3791	**3451**	**2.45**	18.6	Sd
	MS34TB	34.42	1 5/8	HBP	F	220-240V 50Hz ~1	CSR	R	C-V	1012	1860	**4231**	**1.92**	4959	**4551**	**2.30**	22.7	Sd
	MS34T3	34.42	1 5/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	1007	1860	**4231**	**1.82**	4958	**4551**	**2.20**	22.8	Sd
	MS34TG	34.42	1 5/8	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1012	1860	**4231**	**1.92**	4959	**4551**	**2.30**	22.7	Sd

Green Cooling Models

New Models

(*) Or R407B (**) Model under development. Provisional performances/data. / See design drawing on page 66

R404A • R507(*) HMBP | HBP • 60 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
										Cecomaf (W)					Ashrae			
												5			7.2			
										-25	-15	W	COP	10	kcal/h	COP		
	ML45TG	4.50	1/5	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	177	279	**618**	**1.44**	731	**667**	**1.74**	10.0	Lc
🌿	MLY60RDa	5.98	1/4	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	252	411	**905**	**1.73**	1065	**975**	**2.10**	11.0	Lc
🌿	MLY60RDb	5.98	1/4	HMBP	F	115V 60Hz ~1	CSR	R	C-V	252	411	**905**	**1.86**	1065	**975**	**2.27**	11.0	Lc
	ML60TG	5.68	1/4	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	194	325	**758**	**1.51**	901	**820**	**1.83**	10.0	Lc
	ML60TR	5.68	1/4	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	194	325	**758**	**1.5**	901	**820**	**1.83**	10.0	Lc
🌿	MLY80RDa	8.10	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	330	543	**1232**	**1.77**	1457	**1330**	**2.15**	11.2	Ld
🌿	MLY80RDb	8.10	3/8	HMBP	F	115V 60Hz ~1	CSR	R	C-V	330	543	**1232**	**1.83**	1457	**1330**	**2.22**	11.2	Ld
	ML80TG	7.57	3/8	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	265	451	**1029**	**1.61**	1215	**1110**	**1.96**	11.2	Ld
	ML90TG	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	330	542	**1235**	**1.56**	1463	**1334**	**1.89**	12.7	Ld
	MP12TG	12.05	1/2	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	433	741	**1713**	**1.81**	2028	**1850**	**2.20**	13.5	Pd
	MX18TG	18.40	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	648	1095	**2523**	**1.76**	2989	**2726**	**2.15**	17.0	Xd
	MX21TG	20.72	1	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	730	1217	**2799**	**1.74**	3318	**3026**	**2.12**	17.6	Xd
	MS18T3	18.10	7/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	494	976	**2487**	**1.85**	2976	**2700**	**2.25**	20.0	Sc
	MS22T3	21.75	1	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	530	1140	**3014**	**1.97**	3615	**3277**	**2.40**	20.0	Sc
	MS26TG	25.93	1 3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	790	1516	**3729**	**1.96**	4436	**4038**	**2.37**	23.0	Sd
	MS26T3	25.93	1 3/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	790	1516	**3729**	**1.86**	4436	**4038**	**2.25**	18.6	Sd
	MS34T3	34.42	1 5/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	1179	2176	**4948**	**1.73**	5797	**5321**	**2.10**	22.8	Sd
◢	MS34TG	34.42	1 3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1173	2158	**4910**	**1.86**	5755	**5280**	**2.23**	23.0	Sd

🌿 Green Cooling Models **(*) Or R407B / See design drawing on page 66**

◢ New Models

	Testing cycle conditions			
	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (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
R404A
W(A) x 1.17 = kcal/h (B)
W(C) x 1.02 = kcal/h (D)

GS Compressor's range can be provided with tube or valve

2.

Compressors Catalogue

R290/R600a

R290 LBP • 50 Hz — Natural Refrigerant

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23.3			
									-40	-30	W	COP	-10	kcal/h	COP	Kg	
NLY45LAa	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	62	115	**151**	**1.04**	298	**176**	**1.35**	10.0	Lc
NLY45LAb	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	62	115	**151**	**1.11**	298	**176**	**1.44**	10.0	Lc
NLY60LAa	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	85	152	**198**	**1.02**	388	**230**	**1.33**	10.3	Lc
NLY60LAb	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	85	152	**198**	**1.09**	388	**230**	**1.42**	10.3	Lc
NLY60CAa	5.98	1/5	LBP	F	220-240V 50Hz ~1	RSIR	P	C	85	152	**198**	**1.02**	388	**230**	**1.33**	10.3	Lc
NLY60CAb	5.98	1/5	LBP	F	220-240V 50Hz ~1	RSCR	P	C	85	152	**198**	**1.09**	388	**230**	**1.42**	10.3	Lc
NL60FB	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	80	132	**172**	**0.84**	346	**200**	**1.10**	10.2	Lc
NLY80LAa	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	113	201	**263**	**1.04**	524	**306**	**1.35**	10.9	Ld
NLY80LAb	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	113	201	**263**	**1.10**	524	**306**	**1.43**	10.9	Ld
NL80FB	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	103	177	**232**	**0.85**	468	**270**	**1.10**	10.0	Lc
NLY90LAa	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	130	236	**306**	**1.05**	590	**355**	**1.37**	11.1	Ld
NLY90LAb	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	130	236	**306**	**1.11**	590	**355**	**1.44**	11.1	Ld
NL90FB	8.85	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	113	189	**248**	**0.88**	515	**290**	**1.14**	10.1	Ld
NPY12LAa	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	174	308	**401**	**1.04**	781	**465**	**1.35**	12.3	Pd
NPY12LAb	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	174	308	**401**	**1.15**	781	**465**	**1.49**	12.3	Pd
NP12FB	12.05	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	132	248	**333**	**0.91**	692	**390**	**1.19**	12.0	Pd
NPY14LAa	14.32	1/2	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	216	375	**484**	**1.05**	926	**560**	**1.35**	12.8	Pd
NPY14LAb	14.32	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	216	375	**484**	**1.14**	926	**560**	**1.48**	12.8	Pd
NP14FB	14.17	1/2	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	155	288	**385**	**0.91**	795	**450**	**1.19**	12.5	Pd
NPT16LA	16.15	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	248	440	**550**	**1.26**	1110	**640**	**1.52**	12.8	Pd
NX18FBa	18.40	5/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	226	450	**575**	**1.12**	1138	**682**	**1.42**	16.0	Xd
NX21FBa	20.72	3/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	249	491	**646**	**1.09**	1245	**750**	**1.42**	16.0	Xd
NX23FB	23.20	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	306	605	**743**	**1.10**	1405	**851**	**1.43**	17.5	Xd

R290 LBP • 60 Hz — Natural Refrigerant

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23.3			
									-40	-30	W	COP	-10	kcal/h	COP	Kg	
NLY45LRa	4.56	1/6	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	76	136	**178**	**1.05**	349	**207**	**1.35**	10.3	Lc
NLY45LRb	4.56	1/6	LBP	F	115-127V 60Hz ~1	CSR	R	C-V	76	136	**178**	**1.12**	349	**207**	**1.44**	10.3	Lc
NL45FR	4.56	1/6	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	71	95	**164**	**0.85**	318	**190**	**1.10**	10.3	Lc
NLY60LRa	5.98	1/5	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	99	178	**233**	**1.03**	456	**270**	**1.33**	10.6	Lc
NLY60LRb	5.98	1/5	LBP	F	115-127V 60Hz ~1	CSR	R	C-V	99	178	**233**	**1.10**	456	**270**	**1.42**	10.6	Lc
NL60FR	5.98	1/5	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	94	120	**202**	**0.88**	402	**235**	**1.14**	11.0	Lc
NLY80LRa	8.10	1/4	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	132	237	**310**	**1.05**	607	**360**	**1.35**	10.9	Lc
NLY80LRb	8.10	1/4	LBP	F	115-127V 60Hz ~1	CSR	R	C-V	132	237	**310**	**1.11**	607	**360**	**1.43**	10.9	Lc
NLY90LRa (**)	9.09	1/3	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	153	275	**359**	**1.05**	704	**417**	**1.36**	11.2	Ld
NLY90LRb (**)	9.09	1/3	LBP	F	115-127V 60Hz ~1	CSR	R	C-V	153	275	**359**	**1.12**	704	**417**	**1.44**	11.2	Ld
NPY12LRa	12.10	3/8	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	200	361	**470**	**1.05**	922	**546**	**1.35**	12.3	Pd
NPY12LRb	12.10	3/8	LBP	F	115-127V 60Hz ~1	CSR	R	C-V	200	361	**470**	**1.12**	922	**546**	**1.44**	12.3	Pd

Green Cooling Models

New Models

(**) Model under development. Provisional performances/data. / See design drawing on page 66

R290 HMBP • 50 Hz — Natural Refrigerant

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
									Cecomaf (W)					Ashrae			
											5			7.2			
									-25	-15	W	COP	-10	kcal/h	COP		
NL40TBa	4.05	1/5	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	121	194	**434**	**1.88**	513	**445**	**2.20**	9.5	Lc
NL40TBb	4.05	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	121	194	**434**	**1.88**	513	**445**	**2.20**	9.5	Lc
NLY45RAa	4.56	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	148	237	**518**	**2.15**	609	**530**	**2.51**	10.0	Lc
NLY45RAb	4.56	1/5	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	148	237	**518**	**2.35**	609	**530**	**2.75**	10.0	Lc
NL45TB	4.50	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	132	211	**473**	**1.88**	561	**486**	**2.20**	9.5	Lc
NLY60RAa	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	211	324	**703**	**2.21**	829	**720**	**2.58**	10.4	Lc
NLY60RAb	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	211	324	**703**	**2.40**	829	**720**	**2.79**	10.4	Lc
NL60TBa	5.68	1/4	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	169	274	**606**	**2.05**	713	**620**	**2.40**	9.5	Lc
NL60TBb	5.68	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	169	274	**606**	**2.05**	713	**620**	**2.40**	9.5	Lc
NLY80RAa	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	258	411	**929**	**2.22**	1103	**955**	**2.60**	11.4	Lc
NLY80RAb	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	258	411	**929**	**2.39**	1103	**955**	**2.80**	11.4	Lc
NL80TB	7.57	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	206	359	**806**	**2.05**	948	**825**	**2.40**	10.0	Ld
NLY90RAa	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	306	480	**1054**	**2.20**	1244	**1080**	**2.56**	11.4	Ld
NLY90RAb	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	306	480	**1054**	**2.38**	1244	**1080**	**2.78**	11.4	Ld
NL90TB	8.85	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	242	391	**921**	**2.08**	1102	**950**	**2.42**	10.6	Ld
NP12TB	12.05	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	316	537	**1272**	**2.34**	1517	**1310**	**2.72**	12.3	Pd
NPY12RAa	12.10	1/2	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	408	655	**1462**	**2.12**	1728	**1500**	**2.45**	12.3	Pd
NPY12RAb	12.10	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	408	655	**1462**	**2.33**	1728	**1500**	**2.70**	12.3	Pd
NP14TB	14.17	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	401	661	**1509**	**2.29**	1789	**1550**	**2.67**	13.5	Pd
NX18TB	18.40	3/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	508	851	**1961**	**2.15**	2320	**2014**	**2.50**	16.8	Xc
NX21TB	20.72	7/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	581	969	**2242**	**2.14**	2650	**2304**	**2.49**	17.2	Xd

R290 HMBP • 60 Hz — Natural Refrigerant

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
									Cecomaf (W)					Ashrae			
											5			7.2			
									-25	-15	W	COP	-10	kcal/h	COP		
NLY45RRa	4.56	1/6	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	175	276	**608**	**2.17**	717	**623**	**2.53**	10.5	Lc
NLY45RRb	4.56	1/6	HMBP	F	115-127V 60Hz ~1	CSR	R	C-V	175	276	**608**	**2.35**	717	**623**	**2.75**	10.5	Lc
NLY60RRa	5.98	1/5	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	238	375	**826**	**2.21**	975	**846**	**2.58**	10.8	Lc
NLY60RRb	5.98	1/5	HMBP	F	115-127V 60Hz ~1	CSR	R	C-V	238	375	**826**	**2.39**	975	**846**	**2.79**	10.8	Lc
NL60TR	5.68	1/4	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	196	319	**721**	**1.92**	854	**740**	**2.24**	9.5	Lc
NLY80RRa	8.10	1/4	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	315	497	**1095**	**2.23**	1293	**1122**	**2.60**	11.1	Ld
NLY80RRb	8.10	1/4	HMBP	F	115-127V 60Hz ~1	CSR	R	C-V	315	497	**1095**	**2.40**	1293	**1122**	**2.80**	11.1	Ld
NLY90RRa (**)	9.09	1/3	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	357	562	**1239**	**2.19**	1462	**1269**	**2.56**	11.4	Ld
NLY90RRb (**)	9.09	1/3	HMBP	F	115-127V 60Hz ~1	CSR	R	C-V	357	562	**1239**	**2.36**	1462	**1269**	**2.76**	11.4	Ld

Green Cooling Models

New Models

(**) Model under development. Provisional performances/data. / See design drawing on page 66

R290 HMBP • 50 | 60 Hz — Variable Speed Compressors

	MODEL	DISPLACEMENT cm³	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
									Cecomaf (W)					Ashrae				
											+5			+7,2				
									-25	-15	W	COP	+10	kcal/h	COP		
	NLT60FSN (*) (**)	5.98	HMBP	F	220-240V 50/60Hz ~1 100-127V 50/60Hz ~1	ECM	C	1800	101	180	**476**	**2.76**	578	**466**	**3.08**	10.8	Lc
								2100	119	214	**557**	**2.79**	675	**545**	**3.12**		
								2400	136	244	**633**	**2.75**	764	**619**	**3.07**		
								3000	171	308	**787**	**2.63**	948	**770**	**2.94**		
								3600	203	358	**941**	**2.55**	1144	**920**	**2.85**		

R290 LBP • 50 | 60 Hz — Variable Speed Compressors

	MODEL	DISPLACEMENT cm³	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23.3			
									-40	-30	W	COP	-10	kcal/h	COP		
	NPT12FSC (*)	12.10	LBP	F	220-240V 50/60Hz ~1 100-127V 50/60Hz ~1 (**)	ECM	C	1800	115	196	**257**	**1.18**	521	**300**	**1.52**	12.1	Pc
								2100	134	233	**306**	**1.28**	601	**352**	**1.65**		
								2400	152	268	**349**	**1.26**	680	**405**	**1.63**		
								3000	178	326	**419**	**1.25**	-	**485**	**1.60**		
								3600	216	393	**506**	**1.22**	-	**585**	**1.57**		

Green Cooling Models

New Models

(*) Different electronic driver depending on the voltage range. (**) Model under development. Provisional performances/data. / See design drawing on page 66

	Testing cycle conditions			
	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (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 1.16 = kcal/h (B)
W(C) x 0.98 = kcal/h (D)

GS Compressor's range can be provided with tube or valve

R600a LBP • 50 Hz

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23.3			
									-35	-30	W	COP	-10	kcal/h	COP		
HD40AA	4.06	1/20	LBP	S	220-240V 50Hz ~1	RSIR	P	C	32	36	**44**	**0.67**	94	**50**	**0.86**	5.2	Db
HLY45AAa	4.56	1/12	LBP	S	220-240V 50Hz ~1	RSIR	P	C	23	36	**52**	**0.97**	111	**60**	**1.25**	6.8	Lb
HLY45AAb	4.56	1/12	LBP	S	220-240V 50Hz ~1	RSCR	P	C	23	36	**52**	**1.02**	112	**60**	**1.32**	6.8	Lb
HLY55AAa	5.46	1/9	LBP	S	220-240V 50Hz ~1	RSIR	P	C	28	44	**62**	**1.03**	130	**72**	**1.33**	8.9	Lb
HLY55AAb	5.46	1/9	LBP	S	220-240V 50Hz ~1	RSCR	P	C	28	44	**62**	**1.10**	131	**72**	**1.42**	8.9	Lb
HLY70AAa	6.65	1/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	42	59	**80**	**1.08**	162	**92**	**1.37**	9.1	Lb
HLY70AAb	6.65	1/8	LBP	S	220-240V 50Hz ~1	RSCR	P	C	41	59	**81**	**1.15**	163	**93**	**1.46**	9.1	Lb
HLY80AAa	8.10	1/7	LBP	S	220-240V 50Hz ~1	RSIR	P	C	53	74	**99**	**1.11**	201	**113**	**1.41**	9.1	Lb
HLY80AAb	8.10	1/7	LBP	S	220-240V 50Hz ~1	RSCR	P	C	54	74	**99**	**1.17**	203	**113**	**1.49**	9.1	Lb
HLY90AAa	9.09	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	67	84	**109**	**1.11**	230	**125**	**1.41**	9.5	Lc
HLY90AAb	9.09	1/6	LBP	S	220-240V 50Hz ~1	RSCR	P	C	65	84	**111**	**1.17**	233	**127**	**1.49**	9.5	Lc
HLY99AAa	9.95	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	69	90	**119**	**1.10**	248	**136**	**1.40**	10.6	Lc
HLY99AAb	9.95	1/6	LBP	S	220-240V 50Hz ~1	RSCR	P	C	67	90	**119**	**1.16**	249	**137**	**1.48**	10.6	Lc
HPY12AAa	12.10	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	78	107	**144**	**1.12**	300	**165**	**1.43**	11.0	Pc
HPY12AAb	12.10	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	78	107	**144**	**1.18**	300	**165**	**1.50**	11.0	Pd
HPY12AGa	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	78	107	**144**	**1.10**	300	**165**	**1.40**	10.9	Pc
HPY12AGb	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	RSCR	P	C	78	107	**144**	**1.16**	300	**165**	**1.48**	10.9	Pc
HPY14AAa	14.32	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	92	124	**166**	**1.13**	344	**190**	**1.43**	11.0	Pc
HPY14AAb	14.32	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	92	124	**166**	**1.18**	344	**190**	**1.50**	11.0	Pd
HPY14AJa	14.32	1/5	LBP	S	100V 50/60Hz ~1	RSIR	P	C	88	122	**161**	**1.03**	336	**185**	**1.25**	11.0	Pc
HPY14AJb	14.32	1/5	LBP	S	100V 50/60Hz ~1	RSCR	P	C	88	122	**161**	**1.07**	336	**185**	**1.35**	11.0	Pd
HPY16AAa	16.15	1/4	LBP	S	220-240V 50Hz ~1	RSIR	P	C	101	136	**181**	**1.13**	380	**208**	**1.44**	11.0	Pc
HPY16AAb	16.15	1/4	LBP	S	220-240V 50Hz ~1	RSCR	P	C	101	136	**181**	**1.19**	380	**208**	**1.51**	11.0	Pd

R600a LBP • 60 Hz

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23.3			
									-35	-30	W	COP	-10	kcal/h	COP		
HPY12AGa	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	90	124	**167**	**1.08**	348	**191**	**1.37**	10.9	Pc
HPY12AGb	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz ~1	RSCR	P	C	90	124	**167**	**1.14**	348	**191**	**1.44**	10.9	Pc
HPY14AJa	14.32	1/5	LBP	S	100V 50/60Hz ~1	RSIR	P	C	102	141	**190**	**1.07**	390	**220**	**1.35**	11.0	Pc
HPY14AJb	14.32	1/5	LBP	S	100V 50/60Hz ~1	RSCR	P	C	102	141	**190**	**1.13**	390	**220**	**1.44**	11.0	Pd

Green Cooling Models

New Models

/ See design drawing on page 66

R600a HMBP • 50 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
										Cecomaf (W)					Ashrae			
												5			7.2			
										-25	-15	W	COP	10	kcal/h	COP	Kg	
	HD40MBa	4.06	1/14	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	40	72	**178**	**1.65**	214	**182**	**1.91**	6.0	Dd
	HLY55MAa	5.46	1/10	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	48	96	**250**	**2.20**	300	**255**	**2.51**	9.0	Lb
	HLY55MAb	5.46	1/10	HMBP	S	220-240V 50Hz ~1	RSCR	P	C	48	96	**250**	**2.32**	300	**255**	**2.67**	9.0	Lb
	HLY55MAac (***)	5.46	1/10	HMBP	S	220-240V 50Hz ~1	CSIR	R	C-V	48	96	**250**	**2.20**	300	**255**	**2.51**	9.0	Lb
	HLY70MAa	6.65	1/8	HMBP	S	220-240V 50Hz ~1	RSIR	P	C	66	120	**307**	**2.18**	370	**314**	**2.50**	8.4	Lb
	HLY70MAb	6.65	1/8	HMBP	S	220-240V 50Hz ~1	RSCR	P	C	66	120	**307**	**2.34**	370	**314**	**2.69**	8.4	Lb
	HLY70MAac (***)	6.65	1/8	HMBP	S	220-240V 50Hz ~1	CSIR	R	C-V	66	120	**307**	**2.18**	370	**314**	**2.50**	8.4	Lb
	HLY70MAad (***)	6.65	1/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	66	120	**307**	**2.18**	370	**314**	**2.50**	8.4	Lb
	HLY99RAa	9.95	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	111	197	**460**	**2.07**	553	**470**	**2.39**	10.2	Lc
	HLY99RAb	9.95	1/5	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	111	197	**460**	**2.26**	553	**470**	**2.61**	10.2	Lc
	HPY12RAa	12.10	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	138	252	**562**	**2.12**	680	**575**	**2.45**	10.5	Pc
	HPY12RAb	12.10	1/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	138	252	**562**	**2.32**	680	**575**	**2.68**	10.5	Pc
	HPY14RAa	14.32	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	164	294	**670**	**2.11**	808	**685**	**2.43**	10.9	Pd
	HPY14RAb	14.32	1/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	164	294	**670**	**2.31**	808	**685**	**2.66**	10.9	Pd
	HPY16RAa	16.15	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	182	334	**753**	**2.40**	905	**770**	**2.40**	11.1	Pd
	HPY16RAb	16.15	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	182	334	**753**	**2.27**	905	**770**	**2.62**	11.1	Pd

R600a LBP | MBP | HBP • 12 | 42V DC

Mobile Compressor

	MODEL	DISPLACEMENT cm³	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)						Ashrae			
										-25					-23.3			
									-30	W	COP	-10	+ 10		kcal/h	COP	Kg	
	HD36FDC 12-42V (*)	3.6	LBP MBP HBP	S / F	12-24-42V DC	ECM	C	1500	16	19	1.03	44	112		22	1.26	5.5	Db
								2000	20	25	1.05	58	147		28	1.28		
								2500	26	31	1.06	72	182		35	1.30		
								3000	30	37	1.02	86	216		42	1.24		
								3500	34	42	1.01	102	250		48	1.22		

Green Cooling Models

New Models

(*) Model under development. Provisional performances/data.

(***) First lowercase letter indicates:

b = Running capacitor included; a = Running capacitor not included

Second lowercase letter indicates:

c = Statically cooled with starting capacitor; a = Statically cooled without starting capacitor; d = Fan cooled with starting capacitor; b = Fan cooled without starting capacitor

/ See design drawing on page 66

	Testing cycle conditions			
	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (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

R600a

W(A) x 1.05 = kcal/h (B)

GS Compressor's range can be provided with tube or valve

notes

2.

Compressors Catalogue

R22

R22 HMBP | HBP • 50 Hz

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											5			7.2			
									-20	-15	W	COP	10	kcal/h	COP	Kg	
L45TN	4.50	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	157	206	**497**	**1.68**	593	**500**	**1.91**	9.5	Lc
L45TN	4.50	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	170	217	**516**	**1.72**	619	**520**	**1.95**	9.5	Lc
L57TN	5.68	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	203	262	**626**	**1.76**	748	**630**	**1.98**	9.5	Lc
L57TNa	5.68	1/5	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	194	255	**612**	**1.72**	729	**615**	**1.93**	9.5	Lc
L57TNb	5.68	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	194	255	**612**	**1.72**	729	**615**	**1.93**	9.5	Lc
L76TN	7.57	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	269	348	**816**	**1.72**	971	**820**	**1.95**	10.2	Ld
L76TN	7.57	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	273	348	**833**	**1.80**	1000	**840**	**2.04**	10.2	Ld
L88TN	8.86	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	323	416	**975**	**1.74**	1161	**980**	**1.97**	10.6	Ld
L88TN	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	323	416	**975**	**1.75**	1161	**980**	**1.97**	10.6	Ld
P12TN	12.05	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	412	537	**1312**	**2.00**	1574	**1323**	**2.26**	12.3	Pd
X16TN	16.03	5/8	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	565	765	**1785**	**2.04**	2094	**1782**	**2.30**	16.7	Xd
X18TN	18.40	3/4	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	662	895	**2079**	**2.11**	2438	**2075**	**2.40**	16.7	Xd
S18TN	18.10	3/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	555	755	**2022**	**2.16**	2454	**2050**	**2.46**	21.8	Sc
S18TN	18.10	3/4	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	555	755	**2022**	**2.09**	2454	**2050**	**2.38**	21.8	Sc
S22TN	21.77	7/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	646	890	**2460**	**2.28**	3001	**2500**	**2.60**	22.7	Sc
S26TN	25.93	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	857	1183	**3027**	**2.20**	3623	**3051**	**2.50**	22.7	Sd

R22 HMBP | HBP • 60 Hz

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											5			7.2			
									-20	-15	W	COP	10	kcal/h	COP	Kg	
L45TN	4.50	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	204	260	**619**	**1.69**	742	**624**	**1.91**	9.5	Lc
L57TN	5.68	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	243	315	**751**	**1.70**	898	**756**	**1.91**	9.5	Lc
L76TN	7.57	3/8	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	327	418	**1000**	**1.79**	1200	**1008**	**2.02**	10.2	Ld
L76TN	7.57	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	327	418	**1000**	**1.79**	1200	**1008**	**2.02**	10.2	Ld
L88TN	8.86	3/8	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	387	499	**1170**	**1.69**	1394	**1176**	**1.90**	10.6	Ld
L88TN	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	387	499	**1170**	**1.69**	1394	**1176**	**1.90**	10.6	Ld
P12TN	12.05	1/2	HMBP	F	115V 60Hz ~1	CSR	R	C-V	494	644	**1575**	**1.94**	1890	**1588**	**2.20**	12.0	Pd
P12TN	12.05	1/2	HMBP	F	230V 60Hz ~1	CSR	R	C-V	494	644	**1575**	**1.95**	1890	**1588**	**2.23**	12.3	Pd
X16TN	16.03	5/8	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	668	905	**2085**	**2.00**	2437	**2078**	**2.25**	16.7	Xd
X18TN	18.40	3/4	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	786	1056	**2426**	**2.12**	2840	**2420**	**2.41**	16.7	Xd
S18TN	18.10	3/4	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	666	906	**2426**	**2.01**	2945	**2460**	**2.29**	21.8	Sc
S26TN	25.93	1	HMBP	F	230V 60Hz ~1	CSR	R	C-V	1028	1419	**3633**	**2.12**	4348	**3661**	**2.36**	22.7	Sd

Green Cooling Models

New Models

/ See design drawing on page 66

	Testing cycle conditions			
	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (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

R22

W(C) x 0.94 = kcal/h (D)

GS Compressor's range can be provided with tube or valve