

# R134a

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2. Compressors Catalogue

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**R134a**

**LBP**

**50 Hz**

R134a compressors compatible with R12

**GREEN COOLING**

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	ASHRAE						WEIGHT Kg	DESIGN	
									Cecomaf (W)			Ashrae					
									-25		-10	-23,3		kcal/h			COP
									-35	-30		W	COP				
GLY35AAa	3.68	1/10	LBP	S	220-240V 50Hz ~1	RSIR	P	C	33	47	<b>66</b>	<b>0.94</b>	151	<b>78</b>	<b>1.23</b>	8.6	Lb
GLY35AAb	3.68	1/10	LBP	S	220-240V 50Hz ~1	RSCR	P	C	32	47	<b>67</b>	<b>0.99</b>	153	<b>79</b>	<b>1.29</b>	8.6	Lb
GLY40AAa	4.02	1/9	LBP	S	220-240V 50Hz ~1	RSIR	P	C	35	53	<b>75</b>	<b>0.96</b>	169	<b>89</b>	<b>1.25</b>	8.7	Lb
GLY40AAb	4.02	1/9	LBP	S	220-240V 50Hz ~1	RSCR	P	C	36	54	<b>76</b>	<b>1.00</b>	171	<b>90</b>	<b>1.31</b>	8.7	Lb
GLY45AAa	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	47	65	<b>89</b>	<b>1.01</b>	192	<b>104</b>	<b>1.30</b>	8.7	Lb
GLY45AAb	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSCR	P	C	48	66	<b>90</b>	<b>1.05</b>	193	<b>105</b>	<b>1.36</b>	8.7	Lb
GLY55AAa	5.46	1/7	LBP	S	220-240V 50Hz ~1	RSIR	P	C	53	78	<b>108</b>	<b>1.03</b>	238	<b>127</b>	<b>1.33</b>	8.7	Lb
GLY55AAb	5.46	1/7	LBP	S	220-240V 50Hz ~1	RSCR	P	C	54	78	<b>109</b>	<b>1.09</b>	239	<b>128</b>	<b>1.4</b>	8.7	Lb
GLY60AAa	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	58	85	<b>119</b>	<b>1.03</b>	255	<b>139</b>	<b>1.34</b>	8.7	Lb
GLY60AAb	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSCR	P	C	58	86	<b>120</b>	<b>1.10</b>	256	<b>140</b>	<b>1.42</b>	8.7	Lb
GLY70AAa	6.65	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	70	96	<b>132</b>	<b>1.05</b>	288	<b>154</b>	<b>1.36</b>	9.7	Lb
GLY70AAb	6.65	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	71	97	<b>133</b>	<b>1.12</b>	289	<b>155</b>	<b>1.44</b>	9.7	Lb
GLY75AAa	7.38	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	74	107	<b>147</b>	<b>1.06</b>	311	<b>172</b>	<b>1.36</b>	9.9	Lc
GLY75AAb	7.38	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	76	108	<b>147</b>	<b>1.12</b>	312	<b>172</b>	<b>1.44</b>	9.9	Lc
GLY80AAa	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	92	123	<b>164</b>	<b>1.07</b>	349	<b>191</b>	<b>1.37</b>	10.0	Lc
GLY80AAb	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	93	124	<b>165</b>	<b>1.13</b>	351	<b>192</b>	<b>1.45</b>	10.0	Lc
GLY90AAa	9.09	1/4	LBP	S	220-240V 50Hz ~1	RSIR	P	C	104	140	<b>186</b>	<b>1.07</b>	387	<b>216</b>	<b>1.37</b>	10.5	Ld
GLY90AAb	9.09	1/4	LBP	S	220-240V 50Hz ~1	RSCR	P	C	103	140	<b>187</b>	<b>1.13</b>	388	<b>217</b>	<b>1.45</b>	10.5	Ld
GPY12AAa	12.10	3/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	128	178	<b>241</b>	<b>0.96</b>	500	<b>280</b>	<b>1.23</b>	11.5	Pd
GPY12AAb	12.10	3/8	LBP	S	220-240V 50Hz ~1	RSCR	P	C	128	178	<b>241</b>	<b>1.04</b>	500	<b>280</b>	<b>1.33</b>	11.5	Pd
GPY12LAa	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	113	162	<b>225</b>	<b>1.00</b>	509	<b>265</b>	<b>1.30</b>	12.1	Pd
GPY12LAb	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	113	162	<b>225</b>	<b>1.06</b>	509	<b>265</b>	<b>1.38</b>	12.1	Pd
GPY16LAa	16.15	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	168	234	<b>319</b>	<b>1.01</b>	690	<b>374</b>	<b>1.31</b>	12.6	Pd
GPY16LAb	16.15	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	168	234	<b>319</b>	<b>1.07</b>	690	<b>374</b>	<b>1.41</b>	12.6	Pd

**R134a**

**LBP**

**60 Hz**

R134a compressors compatible with R12

**GREEN COOLING**

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
									Cecomaf (W)			Ashrae					
									-25		-10	-23,3		kcal/h			COP
-35	-30	W	COP														
GLY40ADa	4.02	1/9	LBP	S	115V 60Hz ~1	RSIR	P	C	46	65	<b>91</b>	<b>0.97</b>	208	<b>107</b>	<b>1.26</b>	9.0	Lb
GLY40ADb	4.02	1/9	LBP	S	115V 60Hz ~1	RSCR	P	C	46	65	<b>91</b>	<b>1.02</b>	208	<b>107</b>	<b>1.32</b>	9.0	Lb
GLY50ADa	5.12	1/7	LBP	S	115V 60Hz ~1	RSIR	P	C	56	83	<b>117</b>	<b>1.02</b>	259	<b>138</b>	<b>1.33</b>	9.7	Lc
GLY50ADb	5.12	1/7	LBP	S	115V 60Hz ~1	RSCR	P	C	56	83	<b>117</b>	<b>1.06</b>	259	<b>138</b>	<b>1.38</b>	9.7	Lc

 Green Cooling Models  
 New Model

R134a: W (A) x 1.05 = kcal/h (B)

R134a: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal/h

# R134a

# HMBP | HBP

# 50 Hz

# R134a compressors compatible with R12

## GREEN COOLING

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
									Cecomaf (W)			Ashrae					
									5			7,2					
									-25	-15	10	kcal/h	COP	10			kcal/h
GLY45RAa	4.56	1/6	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	71	139	373	1.95	452	385	2.25	9	Lb
GLY45RAb	4.56	1/6	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	71	139	373	2.12	452	385	2.45	9	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
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
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
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
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
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

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

compressors R134a

# R134a

# HMBP | HBP

# 60 Hz

# R134a compressors compatible with R12

## GREEN COOLING

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
									Cecomaf (W)			Ashrae					
									5			7,2					
									-25	-15	10	kcal/h	COP	10			kcal/h
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
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
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
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
GPY16RDa	16.15	1/2	HMBP	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	HMBP	F	115V 60Hz ~1	CSR	R	C-V	349	614	1519	2.01	1822	1560	2.31	12.5	Pd

 Green Cooling Models  
 New Model

R134a: W (A) x 1.05 = kcal/h (B)

R134a: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal /h

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C								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		kcal/h	COP			
GD24AA	2.44	1/20	LBP	S	220-240V 50Hz ~1	RSIR	P	C	12	22	<b>34</b>	<b>0.51</b>	85	<b>41</b>	<b>0.68</b>	5.3	Db	
GD30AA	3.08	1/12	LBP	S	220-240V 50Hz ~1	RSIR	P	C	23	36	<b>52</b>	<b>0.74</b>	117	<b>62</b>	<b>0.96</b>	5.6	Dc	
GD30AG	3.08	1/12	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	21	34	<b>49</b>	<b>0.60</b>	111	<b>58</b>	<b>0.79</b>	5.9	Dc	
GD36AA	3.62	1/12	LBP	S	220-240V 50Hz ~1	RSIR	P	C	28	43	<b>61</b>	<b>0.76</b>	136	<b>72</b>	<b>0.99</b>	5.7	Dc	
GD36AFa	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	RSIR	P	C	26	40	<b>58</b>	<b>0.63</b>	128	<b>68</b>	<b>0.83</b>	5.9	Dc	
GD36AFb	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	CSIR	R	C-V	26	40	<b>58</b>	<b>0.63</b>	128	<b>68</b>	<b>0.83</b>	5.9	Dc	
GLY35AAa	3.68	1/10	LBP	S	220-240V 50Hz ~1	RSIR	P	C	33	47	<b>66</b>	<b>0.94</b>	151	<b>78</b>	<b>1.23</b>	8.6	Lb	
GLY35AAb	3.68	1/10	LBP	S	220-240V 50Hz ~1	RSCR	P	C	32	47	<b>67</b>	<b>0.99</b>	153	<b>79</b>	<b>1.29</b>	8.6	Lb	
GLY40AAa	4.02	1/9	LBP	S	220-240V 50Hz ~1	RSIR	P	C	35	53	<b>75</b>	<b>0.96</b>	169	<b>89</b>	<b>1.25</b>	8.7	Lb	
GLY40AAb	4.02	1/9	LBP	S	220-240V 50Hz ~1	RSCR	P	C	36	54	<b>76</b>	<b>1.00</b>	171	<b>90</b>	<b>1.31</b>	8.7	Lb	
GD40AA	4.06	1/10	LBP	S	220-240V 50Hz ~1	RSIR	P	C	34	50	<b>70</b>	<b>0.77</b>	155	<b>82</b>	<b>1.00</b>	6.1	Dd	
GD40AF	4.06	1/10	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	31	47	<b>66</b>	<b>0.67</b>	147	<b>78</b>	<b>0.88</b>	6.8	Dd	
GLY45AAa	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	47	65	<b>89</b>	<b>1.01</b>	192	<b>104</b>	<b>1.30</b>	8.7	Lb	
GLY45AAb	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSCR	P	C	48	66	<b>90</b>	<b>1.05</b>	193	<b>105</b>	<b>1.36</b>	8.7	Lb	
GL45AAa	4.56	1/8	LBP	S	220-240V 50Hz ~1	RSIR	P	C	37	57	<b>81</b>	<b>0.81</b>	184	<b>96</b>	<b>1.06</b>	7.9	Lb	
GL45AAb	4.56	1/8	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	37	57	<b>81</b>	<b>0.81</b>	184	<b>96</b>	<b>1.06</b>	7.9	Lb	
GL45AF	4.56	1/8	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	36	56	<b>80</b>	<b>0.74</b>	184	<b>95</b>	<b>0.97</b>	8.4	Lb	
GL45ANa	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	36	56	<b>80</b>	<b>0.78</b>	184	<b>95</b>	<b>1.03</b>	8.4	Lb	
GLY55AAa	5.46	1/7	LBP	S	220-240V 50Hz ~1	RSIR	P	C	53	78	<b>108</b>	<b>1.03</b>	238	<b>127</b>	<b>1.33</b>	8.7	Lb	
GLY55AAb	5.46	1/7	LBP	S	220-240V 50Hz ~1	RSCR	P	C	54	78	<b>109</b>	<b>1.09</b>	239	<b>128</b>	<b>1.40</b>	8.7	Lb	
GLY60AAa	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	58	85	<b>119</b>	<b>1.03</b>	255	<b>139</b>	<b>1.34</b>	8.7	Lb	
GLY60AAb	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSCR	P	C	58	86	<b>120</b>	<b>1.10</b>	256	<b>140</b>	<b>1.42</b>	8.7	Lb	
GL60AAa	5.98	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	50	75	<b>107</b>	<b>0.85</b>	239	<b>126</b>	<b>1.10</b>	8.4	Lb	
GL60AAb	5.98	1/6	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	50	75	<b>107</b>	<b>0.85</b>	239	<b>126</b>	<b>1.10</b>	8.4	Lb	
GL60AF	5.98	1/6	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	57	81	<b>113</b>	<b>0.82</b>	245	<b>132</b>	<b>1.07</b>	9.1	Lb	
GL60ANa	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.1	Lc	
GL60ANb	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.1	Lc	
GL60ANc	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.1	Lc	
GL60ANd	5.98	1/6	LBP	OC	200-240/220-230V 50/60Hz ~1	RSIR	P	C	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.2	Lc	
GLY70AAa	6.65	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	70	96	<b>132</b>	<b>1.05</b>	288	<b>154</b>	<b>1.36</b>	9.7	Lb	
GLY70AAb	6.65	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	71	97	<b>133</b>	<b>1.12</b>	289	<b>155</b>	<b>1.44</b>	9.7	Lb	
GL70AA	6.65	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	58	86	<b>121</b>	<b>0.87</b>	268	<b>142</b>	<b>1.12</b>	8.8	Lc	
GL70ANa	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	70	95	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.4	Lc	
GL70ANb	6.65	1/5	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	70	95	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.4	Lc	
GL70ANc	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	70	95	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.4	Lc	
GL70ANd	6.65	1/5	LBP	OC	200-220/220-230V 50/60Hz ~1	RSIR	P	C	70	96	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.5	Ld	
GLY75AAa	7.38	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	74	107	<b>147</b>	<b>1.06</b>	311	<b>172</b>	<b>1.36</b>	9.9	Lc	
GLY75AAb	7.38	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	76	108	<b>147</b>	<b>1.12</b>	312	<b>172</b>	<b>1.44</b>	9.9	Lc	
GL75AA	7.38	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	68	95	<b>132</b>	<b>0.91</b>	296	<b>155</b>	<b>1.18</b>	9.0	Lc	
GLY80AAa	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	92	123	<b>164</b>	<b>1.07</b>	349	<b>191</b>	<b>1.37</b>	10.0	Lc	
GLY80AAb	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSCR	P	C	93	124	<b>165</b>	<b>1.13</b>	351	<b>192</b>	<b>1.45</b>	10.0	Lc	
GL80AAa	8.10	1/5	LBP	S	220-240V 50Hz ~1	RSIR	P	C	68	102	<b>144</b>	<b>0.89</b>	326	<b>170</b>	<b>1.15</b>	9.0	Lc	
GL80AAb	8.10	1/5	LBP	S	220-240V 50Hz ~1	CSIR	R	C-V	68	102	<b>144</b>	<b>0.89</b>	326	<b>170</b>	<b>1.15</b>	9.0	Lc	

This table continues in the following page

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
									Cecomaf (W)			Ashrae					
									-25		-10	-23,3		COP			
									W	COP		kcal/h	COP				
-35	-30																
GL80AF	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	10.2	Ld
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
GL80ANd	8.10	1/5	LBP	OC	200-220/220-230V 50/60Hz ~1	RSIR	P	C	76	107	148	0.83	331	174	1.09	9.9	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
GL90AF	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	10.8	Ld
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
GL90ANd	9.09	1/4	LBP	OC	200-220/220-230V 50/60Hz ~1	RSIR	P	C	85	118	163	0.84	366	191	1.10	10.5	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
GL99AL	9.95	1/4	LBP	S	200-220/230V 50/60Hz ~1	RSCR	P	C	91	130	180	0.94	382	210	1.22	11.3	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
GP12BB	12.05	1/3	LBP	OC	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
GP14BB	14.17	3/8	LBP	OC	220-240V 50Hz ~1	RSIR	R	C	99	158	228	0.90	509	270	1.16	11.5	Pc
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
GP14EB	14.17	3/8	LBP	OC	220-240V 50Hz ~1	CSIR	R	C-V	99	158	228	0.90	509	270	1.16	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
GP16BB	16.15	3/8	LBP	OC	220-240V 50Hz ~1	RSIR	R	C	109	182	266	0.89	585	315	1.14	12.0	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
GPM12BA	12.10	3/8	LBP	OC	220-240V 50Hz ~1	RSIR	R	C	128	178	241	0.94	500	280	1.21	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
GX18FB	18.40	3/7	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	123	199	291	0.91	660	345	1.18	15.1	Xc
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

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C							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		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
GLY40ADa	4.02	1/9	LBP	S	115V 60Hz ~1	RSIR	P	C	46	65	91	0.97	208	107	1.26	9.0	Lb
GLY40ADb	4.02	1/9	LBP	S	115V 60Hz ~1	RSCR	P	C	46	65	91	1.02	208	107	1.32	9.0	Lb
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
GL45AF	4.56	1/8	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	42	65	94	0.76	215	111	0.99	8.4	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
GLY50ADa	5.12	1/7	LBP	S	115V 60Hz ~1	RSIR	P	C	56	83	117	1.02	259	138	1.33	9.7	Lc
GLY50ADb	5.12	1/7	LBP	S	115V 60Hz ~1	RSCR	P	C	56	83	117	1.06	259	138	1.38	9.7	Lc
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
GL60AF	5.98	1/6	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	66	95	131	0.81	287	154	1.05	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
GL60AND	5.98	1/6	LBP	OC	200-240/220-230V 50/60Hz ~1	RSIR	P	C	68	95	131	0.88	285	153	1.15	9.2	Lc
GL60BK	5.98	1/6	LBP	OC	115V 60Hz ~1	RSCR	P	C	66	95	132	0.84	290	155	1.10	10	Lc
GL70ADa	6.65	1/5	LBP	S	115V 60Hz ~1	RSIR	P	C	79	109	148	0.86	322	173	1.12	8.8	Lc
GL70ADb	6.65	1/5	LBP	S	115V 60Hz ~1	CSIR	R	C-V	79	109	148	0.86	322	173	1.12	8.8	Lb
GL70ANa	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	81	111	150	0.90	323	175	1.17	9.4	Lc
GL70ANb	6.65	1/5	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	81	111	150	0.90	323	175	1.17	9.4	Lc
GL70ANc	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	81	111	150	0.90	323	175	1.17	9.4	Lc
GL70AND	6.65	1/5	LBP	OC	200-220/220-230V 50/60Hz ~1	RSIR	P	C	80	110	150	0.90	323	175	1.17	9.5	Ld
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
GL80AF	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	10.2	Ld
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
GL80AND	8.10	1/5	LBP	OC	200-220/220-230V 50/60Hz ~1	RSIR	P	C	87	124	172	0.92	385	202	1.19	9.9	Ld
GL80BK	8.10	1/5	LBP	OC	115V 60Hz ~1	RSCR	P	C	79	119	169	0.85	382	200	1.11	11.1	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
GL90AF	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	10.8	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
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
GL90AND	9.09	1/4	LBP	OC	200-220/220-230V 50/60Hz ~1	RSIR	P	C	96	134	185	0.93	421	218	1.20	10.5	Ld

This table continues in the following page

**R134a**

**LBP**

**60 Hz**

R134a compressors compatible with R12

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C						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	kcal/h	COP														
GL90BK	9.09	1/4	LBP	OC	115V 60Hz ~1	RSCR	P	C	96	140	193	0.90	410	226	1.17	11.1	Ld
GL99AD	9.95	1/4	LBP	OC	115V 60Hz ~1	RSIR	P	C	102	148	204	0.93	435	239	1.21	10.8	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
GL99AL	9.95	1/4	LBP	S	200-220/230V 50/60Hz ~1	RSCR	P	C	103	148	204	0.93	435	239	1.21	11.3	Ld
GL99BL	9.95	1/4	LBP	OC	200-220/220-230V 50/60Hz ~1	RSCR	P	C	102	148	204	0.93	435	239	1.21	11.3	Ld
GL99BM	9.95	1/4	LBP	OC	127V 60Hz ~1	RSCR	P	C	102	148	204	0.93	435	239	1.20	11.3	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

compressors R134a

**R134a**

**HMBP | HBP**

**50 Hz**

R134a compressors compatible with R12

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
									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	kcal/h	COP														
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	1.80	6.7	Dd
GD40MBb	4.06	1/8	HMBP	F	220-240V 50Hz ~1	RSIR	P	C	64	117	301	1.56	363	310	1.80	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	1.80	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	1.80	6.7	Dd
GL35TG	3.68	1/9	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	57	107	272	1.68	328	280	1.95	8.4	Lb
GL35MG	3.68	1/9	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	79	103	250	1.35	308	260	1.59	8.4	Lb
GL40TG	4.05	1/8	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	64	119	302	1.75	362	310	2.03	8.4	Lb
GL40MG	4.05	1/8	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	84	110	292	1.47	364	305	1.73	8.4	Lb
GLY45RAa	4.56	1/6	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	71	139	373	1.95	452	385	2.25	9	Lb
GLY45RAb	4.56	1/6	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	71	139	373	2.12	452	385	2.45	9	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

This table continues in the following page



R134a: W (A) x 1.05 = kcal/h (B)

R134a: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal/h

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5		10		7,2					
									-25	-15	W	COP	10	kcal/h	COP			
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	
GL60RG	5.68	1/5	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	95	170	437	2.03	528	450	2.33	9.5	Lc	
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	
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	
GL90RG	8.85	1/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	143	259	661	2.02	796	680	2.33	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	HMBP	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	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	169	338	893	1.77	1077	920	2.02	11.2	Pc	
GP12RG	12.05	3/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	169	338	893	2.06	1077	920	2.35	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	HMBP	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	
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	

This table continues in the following page



**R134a**

**HMBP | HBP**

**50 Hz**

R134a compressors compatible with R12

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5		7,2		5		7,2			
									-25	-15	W	COP	10	kcal/h	COP			
GX23TG	23.20	5/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	368	678	<b>1730</b>	<b>1.80</b>	2083	<b>1780</b>	<b>2.08</b>	17.0	Xd	
GS26TB	25.93	3/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	265	703	<b>2071</b>	<b>2.09</b>	2515	<b>2140</b>	<b>2.42</b>	22.7	Sc	
GS26TG	25.93	3/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	265	703	<b>2071</b>	<b>2.15</b>	2515	<b>2140</b>	<b>2.49</b>	22.7	Sc	
GS26T3	25.93	3/4	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	265	703	<b>2071</b>	<b>2.21</b>	2515	<b>2140</b>	<b>2.55</b>	22.7	Sc	
GS30TB	29.95	7/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	318	786	<b>2452</b>	<b>2.33</b>	3020	<b>2550</b>	<b>2.70</b>	22.7	Sd	
GS30TG	29.95	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	318	786	<b>2452</b>	<b>2.33</b>	3020	<b>2550</b>	<b>2.70</b>	23.0	Sd	
GS34TB	34.42	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	476	1068	<b>2852</b>	<b>2.28</b>	3422	<b>2931</b>	<b>2.62</b>	22.7	Sd	
GS34TBb	34.42	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	476	1068	<b>2852</b>	<b>2.28</b>	3422	<b>2931</b>	<b>2.62</b>	22.7	Sd	

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

compressors R134a

**R134a**

**HMBP | HBP**

**60 Hz**

R134a compressors compatible with R12

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5		7,2		5		7,2			
									-25	-15	W	COP	10	kcal/h	COP			
GD24MEa	2.44	1/14	HMBP	S	115V 60Hz ~1	RSIR	P	C	38	75	<b>203</b>	<b>1.41</b>	247	<b>210</b>	<b>1.63</b>	5.1	Db	
GD24MEc	2.44	1/14	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	38	75	<b>203</b>	<b>1.41</b>	247	<b>210</b>	<b>1.63</b>	5.1	Db	
GD30MEa	3.08	1/10	HMBP	S	115V 60Hz ~1	RSIR	P	C	57	104	<b>272</b>	<b>1.43</b>	330	<b>281</b>	<b>1.63</b>	5.8	Dc	
GD30MEb	3.08	1/10	HMBP	F	115V 60Hz ~1	RSIR	P	C	57	104	<b>272</b>	<b>1.43</b>	330	<b>281</b>	<b>1.63</b>	5.8	Dc	
GD30MEc	3.08	1/10	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	57	104	<b>272</b>	<b>1.43</b>	330	<b>281</b>	<b>1.63</b>	5.8	Dc	
GD30MEd	3.08	1/10	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	57	104	<b>272</b>	<b>1.43</b>	330	<b>281</b>	<b>1.63</b>	5.8	Dc	
GD36MEa	3.62	1/10	HMBP	S	115V 60Hz ~1	RSIR	P	C	61	111	<b>305</b>	<b>1.45</b>	373	<b>316</b>	<b>1.67</b>	6.7	Dd	
GD36MEb	3.62	1/10	HMBP	F	115V 60Hz ~1	RSIR	P	C	61	111	<b>305</b>	<b>1.45</b>	373	<b>316</b>	<b>1.67</b>	6.7	Dd	
GD36MEc	3.62	1/10	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	61	111	<b>305</b>	<b>1.45</b>	373	<b>316</b>	<b>1.67</b>	6.7	Dd	
GD36MEd	3.62	1/10	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	61	111	<b>305</b>	<b>1.45</b>	373	<b>316</b>	<b>1.67</b>	6.7	Dd	
GD40MEa	4.06	1/8	HMBP	S	115V 60Hz ~1	RSIR	P	C	74	137	<b>353</b>	<b>1.47</b>	425	<b>363</b>	<b>1.69</b>	6.7	Dd	
GD40MEb	4.06	1/8	HMBP	F	115V 60Hz ~1	RSIR	P	C	74	137	<b>353</b>	<b>1.47</b>	425	<b>363</b>	<b>1.69</b>	6.7	Dd	
GD40MEc	4.06	1/8	HMBP	S	115V 60Hz ~1	CSIR	R	C-V	74	137	<b>353</b>	<b>1.47</b>	425	<b>363</b>	<b>1.69</b>	6.7	Dd	
GD40MEd	4.06	1/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	74	137	<b>353</b>	<b>1.47</b>	425	<b>363</b>	<b>1.69</b>	6.7	Dd	
GL35TG	3.68	1/9	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	67	125	<b>318</b>	<b>1.66</b>	382	<b>327</b>	<b>1.92</b>	8.4	Lb	
GL35MG	3.68	1/9	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	95	120	<b>293</b>	<b>1.52</b>	362	<b>305</b>	<b>1.77</b>	8.4	Lb	
GL40TG	4.05	1/8	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	74	139	<b>353</b>	<b>1.73</b>	424	<b>363</b>	<b>2.00</b>	8.4	Lb	
GL40MG	4.05	1/8	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	101	130	<b>342</b>	<b>1.62</b>	426	<b>357</b>	<b>1.89</b>	8.4	Lb	
GL45MG	4.50	1/6	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	90	157	<b>400</b>	<b>1.66</b>	483	<b>412</b>	<b>1.92</b>	8.8	Lb	
GL45PE	4.50	1/6	HMBP	F	115V 60Hz ~1	RSIR	R	C	89	157	<b>400</b>	<b>1.60</b>	483	<b>412</b>	<b>1.84</b>	8.4	Lb	
GL45TE	4.50	1/6	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	89	157	<b>400</b>	<b>1.60</b>	483	<b>412</b>	<b>1.84</b>	8.6	Lb	
GL45TG	4.50	1/6	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	89	157	<b>400</b>	<b>1.66</b>	483	<b>412</b>	<b>1.92</b>	8.8	Lb	
GL60PE	5.68	1/5	HMBP	F	115V 60Hz ~1	RSIR	R	C	111	199	<b>511</b>	<b>1.75</b>	616	<b>526</b>	<b>2.01</b>	9.5	Lc	
GL60TE	5.68	1/5	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	111	199	<b>511</b>	<b>1.75</b>	616	<b>526</b>	<b>2.01</b>	9.7	Lc	
GL60MG	5.68	1/5	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	108	185	<b>501</b>	<b>1.74</b>	615	<b>520</b>	<b>2.02</b>	9.9	Lb	
GL60RG	5.68	1/5	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	111	199	<b>511</b>	<b>1.96</b>	616	<b>526</b>	<b>2.27</b>	9.5	Lc	
GL60TC	5.68	1/5	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	111	199	<b>511</b>	<b>1.75</b>	616	<b>526</b>	<b>2.01</b>	9.8	Lc	

This table continues in the following page

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY   °C								WEIGHT Kg	DESIGN	
									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		kcal/h			COP
											W	COP		W	COP				
GL60TG	5.68	1/5	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	111	199	<b>511</b>	<b>1.77</b>	616	<b>526</b>	<b>2.04</b>	9.9	Lc		
GLY80RDa	8.10	1/5	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	169	299	<b>776</b>	<b>2.03</b>	939	<b>800</b>	<b>2.34</b>	10.6	Lc		
GLY80RDb	8.10	1/5	HMBP	F	115V 60Hz ~1	CSR	R	C-V	169	299	<b>776</b>	<b>2.18</b>	939	<b>800</b>	<b>2.51</b>	10.6	Lc		
GL80PE	7.57	1/5	HMBP	F	115V 60Hz ~1	RSIR	R	C	130	249	<b>648</b>	<b>1.79</b>	781	<b>667</b>	<b>2.04</b>	9.5	Lc		
GL80TE	7.57	1/5	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	130	249	<b>648</b>	<b>1.79</b>	781	<b>667</b>	<b>2.04</b>	10.1	Lc		
GL80MG	7.57	1/5	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	203	276	<b>677</b>	<b>1.86</b>	830	<b>702</b>	<b>2.15</b>	10.1	Lc		
GL80TC	7.57	1/5	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	130	249	<b>648</b>	<b>1.93</b>	781	<b>667</b>	<b>2.22</b>	10.4	Lc		
GL80TG	7.57	1/5	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	130	249	<b>648</b>	<b>1.79</b>	781	<b>667</b>	<b>2.04</b>	10.1	Lc		
GLY90RDa	9.09	1/4	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	198	348	<b>875</b>	<b>1.96</b>	1053	<b>900</b>	<b>2.25</b>	10.6	Lc		
GLY90RDb	9.09	1/4	HMBP	F	115V 60Hz ~1	CSR	R	C-V	198	348	<b>875</b>	<b>2.11</b>	1053	<b>900</b>	<b>2.42</b>	10.6	Lc		
GL90PE	8.85	1/4	HMBP	F	115V 60Hz ~1	RSIR	R	C	167	303	<b>773</b>	<b>1.79</b>	932	<b>796</b>	<b>2.06</b>	10.8	Ld		
GL90TE	8.85	1/4	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	167	303	<b>773</b>	<b>1.79</b>	932	<b>796</b>	<b>2.06</b>	10.8	Ld		
GL90TG	8.85	1/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	168	303	<b>773</b>	<b>1.72</b>	932	<b>796</b>	<b>1.97</b>	10.8	Ld		
GL90MG	8.85	1/4	HBP	S	230V 50/60Hz ~1	CSIR	R	C-V	172	300	<b>775</b>	<b>1.84</b>	940	<b>800</b>	<b>2.11</b>	10.8	Ld		
GL90RG	8.85	1/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	167	303	<b>773</b>	<b>2.01</b>	932	<b>796</b>	<b>2.31</b>	10.8	Ld		
GL90TC	8.85	1/4	HMBP	F	100V 50/60Hz ~1	CSIR	R	C-V	167	303	<b>773</b>	<b>1.83</b>	932	<b>796</b>	<b>2.10</b>	10.9	Ld		
GPY12RDa	12.10	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	281	480	<b>1151</b>	<b>1.96</b>	1375	<b>1180</b>	<b>2.25</b>	12.3	Pd		
GPY12RDb	12.10	3/8	HMBP	F	115V 60Hz ~1	CSR	R	C-V	281	480	<b>1151</b>	<b>2.12</b>	1375	<b>1180</b>	<b>2.44</b>	12.3	Pd		
GP12PE	12.05	3/8	HMBP	F	115V 60Hz ~1	RSIR	R	C	198	395	<b>1045</b>	<b>1.83</b>	1260	<b>1076</b>	<b>2.10</b>	11.2	Pc		
GP12RG	12.05	3/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	198	395	<b>1045</b>	<b>1.96</b>	1260	<b>1076</b>	<b>2.25</b>	11.2	Pc		
GP12TE	12.05	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	198	395	<b>1045</b>	<b>1.83</b>	1260	<b>1076</b>	<b>2.10</b>	11.2	Pc		
GP12TG	12.05	3/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	198	395	<b>1045</b>	<b>1.69</b>	1260	<b>1076</b>	<b>1.93</b>	11.2	Pc		
GPY14RDa	14.32	1/2	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	318	516	<b>1411</b>	<b>1.91</b>	1739	<b>1467</b>	<b>2.22</b>	12.8	Pd		
GPY14RDb	14.32	1/2	HMBP	F	115V 60Hz ~1	CSR	R	C-V	318	516	<b>1411</b>	<b>2.04</b>	1739	<b>1467</b>	<b>2.36</b>	12.8	Pd		
GP14PE	14.17	3/8	HMBP	F	115V 60Hz ~1	RSIR	R	C	222	437	<b>1168</b>	<b>1.78</b>	1414	<b>1205</b>	<b>2.03</b>	11.5	Pd		
GP14TE	14.17	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	222	437	<b>1168</b>	<b>1.78</b>	1414	<b>1205</b>	<b>2.03</b>	11.5	Pd		
GP14TG	14.17	3/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	222	437	<b>1168</b>	<b>1.78</b>	1414	<b>1205</b>	<b>2.03</b>	12.9	Pd		
GPY16RDa	16.15	1/2	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	349	614	<b>1519</b>	<b>1.89</b>	1822	<b>1560</b>	<b>2.17</b>	12.5	Pd		
GPY16RDb	16.15	1/2	HMBP	F	115V 60Hz ~1	CSR	R	C-V	349	614	<b>1519</b>	<b>2.01</b>	1822	<b>1560</b>	<b>2.31</b>	12.5	Pd		
GP16TE	16.15	3/8	HBP	F	115V 60Hz ~1	CSIR	R	C-V	313	557	<b>1409</b>	<b>1.71</b>	1698	<b>1450</b>	<b>1.96</b>	12.9	Pd		
GP16TR	16.15	3/8	HBP	F	115-127V 60Hz ~1	CSIR	R	C-V	313	557	<b>1409</b>	<b>1.74</b>	1698	<b>1450</b>	<b>2.01</b>	12.5	Pd		
GP16TG	16.15	3/8	HBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	313	557	<b>1409</b>	<b>1.75</b>	1698	<b>1450</b>	<b>2.00</b>	12.9	Pd		
GX18TG	18.40	1/2	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	334	630	<b>1626</b>	<b>1.89</b>	1958	<b>1673</b>	<b>2.17</b>	15.9	Xc		
GX23TG	23.20	5/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	429	792	<b>2022</b>	<b>1.73</b>	2434	<b>2080</b>	<b>1.98</b>	17.0	Xd		
GS26TG	25.93	3/4	HMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	307	824	<b>2421</b>	<b>2.08</b>	2936	<b>2500</b>	<b>2.40</b>	22.7	Sc		
GS26T3	25.93	3/4	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	307	824	<b>2421</b>	<b>2.09</b>	2936	<b>2500</b>	<b>2.40</b>	22.7	Sc		
GS30TG	29.95	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	371	921	<b>2867</b>	<b>2.24</b>	3528	<b>2981</b>	<b>2.61</b>	23.0	Sd		
GS34TF	34.42	1	HMBP	F	220-230V 60Hz ~1	CSR	R	C-V	551	1248	<b>3329</b>	<b>2.18</b>	3992	<b>3421</b>	<b>2.50</b>	22.7	Sd		

 Green Cooling Models

R134a: W (A) x 1.05 = kcal/h (B)

R134a: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal/h

## R134a MBP 50 Hz

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						
									-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 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						
									-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

## R134a VHBP 50 Hz

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						
									0	5	10	20	25		
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 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						
									0	5	10	20	25		
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: W (A) x 1.05 = kcal/h (B)

R134a: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal /h

compressors  
R134a

# R134a

# HMBP

# 50 Hz

# Variable Speed Compressors

MODEL	DISPLACEMENT cm <sup>3</sup>	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
								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	kcal/h	COP													
GLT99FSN	9,95	HMBP	F	220-240V 50Hz ~1	ECM	C-V	1800	115	205	<b>542</b>	<b>2,52</b>	658	<b>560</b>	<b>2,92</b>	11,2	Lc
							2100	135	242	<b>630</b>	<b>2,6</b>	764	<b>651</b>	<b>2,98</b>		
							2400	153	275	<b>712</b>	<b>2,54</b>	860	<b>734</b>	<b>2,92</b>		
							3000	188	340	<b>868</b>	<b>2,42</b>	1046	<b>894</b>	<b>2,77</b>		
							3600	222	391	<b>1030</b>	<b>2,30</b>	1253	<b>1065</b>	<b>2,62</b>		

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

# R134a

# LBP | MBP | HBP

# DC | 50Hz | 60Hz

# Mobile Compressors

MODEL	DISPLACEMENT cm <sup>3</sup>	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
								COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
								Cecomaf			Ashrae					
								-30	-25		-10	+10	-23,3			
W	COP	kcal/h	COP													
GD30FDC 12-42V	3,0	LBP MBP HBP	S / F	12-24-42V DC	ECM	C	1500	18	<b>24</b>	<b>0,97</b>	57	150	<b>28</b>	<b>1,24</b>	5,4	Db (**)
							2000	25	<b>34</b>	<b>0,98</b>	82	210	<b>40</b>	<b>1,28</b>		
							2500	30	<b>42</b>	<b>0,96</b>	104	264	<b>50</b>	<b>1,26</b>		
							3000	35	<b>49</b>	<b>0,95</b>	122	-	<b>58</b>	<b>1,24</b>		
							3500	39	<b>54</b>	<b>0,94</b>	136	-	<b>64</b>	<b>1,22</b>		
GD30FDC Dual (*)	3,0	LBP MBP HBP	S / F	12-24-42V DC 100-240V 50/60Hz	ECM	C	1500	18	<b>24</b>	<b>0,97</b>	57	150	<b>28</b>	<b>1,24</b>	5,5	Db (**)
							2000	25	<b>34</b>	<b>0,98</b>	82	210	<b>40</b>	<b>1,28</b>		
							2500	30	<b>42</b>	<b>0,96</b>	104	-	<b>50</b>	<b>1,26</b>		
							3000	35	<b>49</b>	<b>0,95</b>	122	-	<b>58</b>	<b>1,24</b>		
							3500	39	<b>54</b>	<b>0,94</b>	-	-	<b>64</b>	<b>1,22</b>		

# R134a

# HMBP

# DC

# Mobile Compressors

MODEL	DISPLACEMENT cm <sup>3</sup>	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	EXPANSION	SPEED rpm	REFRIGERATION CAPACITY   °C						WEIGHT Kg	DESIGN	
								COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
								Cecomaf			Ashrae					
								-25	-15	+5		+10	+7,2			
W	COP	kcal/h	(W/W)													
GLT80TDC 24-42V	8,1	HMBP	F	24-42V DC	ECM	C	1500	78	139	<b>362</b>	<b>1,93</b>	421	<b>369</b>	<b>2,19</b>	8,4	Lc (**)
							2000	107	190	<b>487</b>	<b>2,06</b>	565	<b>497</b>	<b>2,34</b>		
							2500	135	238	<b>601</b>	<b>1,99</b>	710	<b>613</b>	<b>2,26</b>		
							3000	161	281	<b>711</b>	<b>1,91</b>	840	<b>725</b>	<b>2,17</b>		
							3500	185	320	<b>818</b>	<b>1,82</b>	962	<b>834</b>	<b>2,07</b>		
GLT80TDCb 12V (*)	8,1	HMBP	F	12V DC	ECM	C	1500	78	139	<b>362</b>	<b>1,93</b>	421	<b>369</b>	<b>2,19</b>	8,7	Lc (**)
							2000	107	190	<b>487</b>	<b>2,06</b>	565	<b>497</b>	<b>2,34</b>		
							2500	135	238	<b>601</b>	<b>1,99</b>	710	<b>613</b>	<b>2,26</b>		
							3000	161	281	<b>711</b>	<b>1,91</b>	840	<b>725</b>	<b>2,17</b>		
							3500	185	320	<b>818</b>	<b>1,82</b>	962	<b>834</b>	<b>2,07</b>		

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

(\*\*) See User's manual for final dimensions with its electronic driver

R134a: W (A) x 1.05 = kcal/h (B)

R134a: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal /h

▲ New Model

Testing cycle conditions	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (D)
Condensing temperature		55	55	55
Liquid temperature		55	32	46
Suction temperature		32	32	35
Ambient temperature		32	32	35

  

F	OC	S	C	V	P	R
Fan cooled	Oil cooler	Static	Capillar and tube	Expansion valve	PTC	Relay

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

