

# Mbsm.pro, Compressor, GFR57AG, 1/5 hp, Lbp, 5.7 cm<sup>3</sup>, 166 w

Category: compressor

written by Lilianne | 17 November 2023



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制冷剂	系列	型号	电压 (V/Hz)	汽缸容积 (cm <sup>3</sup> )	制冷量 (W)	电机形式	COP (W/W)
R134a	F	GFM44AA	220~240/50	4.6	120	RSIR	1.20
		GFF44AA	220~240/50	4.6	130	RSIR, RSCR	1.31/1.40
		GFF57AA	220~240/50	5.7	166	RSIR, RSCR	1.36/1.48
		GFF66AA	220~240/50	6.6	195	RSIR, RSCR	1.36/1.48
		GFF75AA	220~240/50	7.5	215	RSIR, RSCR	1.38/1.46
		GFF86AA	220~240/50	8.6	250	RSIR, RSCR	1.40/1.52
		GFF93AA	220~240/50	9.3	270	RSIR, RSCR	1.46/1.54
		GFR40AD	115/60	3.6	125	RSCR	1.45
		GFR44AD	115/60	4.0	145	RSCR	1.55
		GFR57AD	115/60	5.7	195	RSCR	1.55
		GFR57AG	220~240/50~60	5.7	166/195	RSCR	1.48/1.55
GFR66AG	220~240/50~60	6.6	195/220	RSCR	1.48/1.57		
R600a	F	BFM86AA	220~240/50	8.6	142	RSIR	1.40
		BFM93AA	220~240/50	9.3	155	RSIR	1.43
		BFM10AA	220~240/50	10.0	168	RSIR	1.38
		BFF12AA	220~240/50	12.0	202	RSIR, RSCR	1.55/1.64
		BFR67AA	220~240/50	6.7	120	RSCR	1.60
		BFR75AA	220~240/50	7.5	130	RSCR	1.80
		BFR10AA	220~240/50	10.0	168	RSCR	1.70
	V	BVM35AA	220~240/50	3.5	55	RSIR	1.06
		BVM43AA	220~240/50	4.3	68	RSIR	1.15

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Model	Power Hp	Displacement	Cooling Capacity	Motor Type	Input Power	Rated Current	COP
GFM44AA	1/6	4.6	120	RSIR	100	0.70	1.20
GFM53AA	1/6+	5.3	145	RSIR	114	0.88	1.27
GFM57AA	1/5	5.7	165	RSIR	132	0.97	1.25
GFM75AA	1/4+	7.5	215	RSIR	159	1.20	1.35
GFM10AA	1/3+	10.0	295	RSIR	220	1.55	1.34
GFM12AA	1/2-	12.0	330	RSIR	235	1.85	1.40
GFM12AA_S	1/2-	12.0	330	RSIR	235	1.85	1.40

#### F(F) Series 220-240V/50Hz

GFF44AA	1/6	4.6	130	RSIR/RSCR	99/93	0.65/0.53	1.31/1.40
GFF57AA	1/5	5.7	165	RSIR/RSCR	115/110	0.77/0.57	1.43/1.50
GFF66AA	1/4	6.6	195	RSIR/RSCR	143/129	0.92/0.74	1.36/1.51
GFF75AA	1/4+	7.5	215	RSIR/RSCR	156/147	1.15/0.83	1.38/1.46
GFF86AA	1/3	8.6	250	RSIR/RSCR	179/164	1.24/0.90	1.40/1.52
GFF93AA	1/3+	9.3	270	RSIR/RSCR	185/175	1.25/0.95	1.46/1.54

#### F(T)Series High Efficiency Compressor 220-240V/50Hz

GFT36AA	1/7	3.6	110	RSCR	68	0.32	1.62
GFT44AA	1/6	4.4	130	RSCR	81	0.43	1.60
GFT53AA	1/5-	5.3	145	RSCR	96	0.53	1.50
GFT57AA	1/5	5.7	165/168	RSCR	104/98	0.55/0.49	1.60/1.70
GFT61AA	1/5+	6.1	182	RSCR	107	0.53	1.70
GFT66AA	1/4	6.6	195	RSCR	115/113	0.58/0.55	1.68/1.72
GFT75AA	1/4+	7.5	220	RSCR	129	0.69	1.70
GFT86AA	1/3	8.6	250	RSCR	148	0.73	1.70
GFT93AA	1/3+	9.3	270	RSCR	166	0.84	1.65

#### F Series 115V/60Hz

GFM44AD	1/6+	4.6	145	RSIR	111	1.62	1.30
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GFM53AD	1/4	5.3	185	RSIR	131	1.75	1.30
GFM57AD	1/4	5.7	195	RSIR	138	1.85	1.30
GFM61AD	1/4+	6.1	210	RSIR	168/150	2.75/1.90	1.25/1.40
GFR40AD	1/6	3.6	120	RSCR	84.6	7/8	1.42
GFR57AD	1/4	5.7	195	RSCR	116	1.2/7	1.55
GFM93AD	1/4	9.3	305	RSIR	218	3.2	1.40

**F Series 200-220V/50Hz**

GFF53AT	1/6+	5.3	150	RSCR	106	0.67	1.42
GFF57AT	1/5	5.7	165	RSCR	118	0.86	1.40
GFF66AT	1/4	6.6	196	RSCR	138	1.02	1.42
GFF75AT	1/4+	7.5	218	RSCR	147	1.07	1.48
GFF86AT	1/3	8.6	250	RSCR	168	1.14	1.49
GFF93AT	1/3+	9.3	275	RSCR	185	1.23	1.49

**F Series 100V-50/60Hz**

GFF66AJ	1/4	6.6	195/233	RSCR	135/152	2.15/1.95	1.44/1.53
GFF93AJ	1/3	9.3	270/305	RSCR	190/205	2.95/2.58	1.42/1.49

**F Series Compressor M/HBP R134a**

**220-240V 50/60Hz**

GFL60AG_AL	3/4	5.3	550/650	CSIR	245/265	1.88/1.69	2.24/2.45
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**220-240V 50Hz**

GFL80AA	1	7.5	720	CSIR	317	1.96	2.27
GFL10AA	1.2	9.3	880	CSIR	430	2.50	2.0

**F Series Compressor LBP R600a**

**F(M/F) Series 220-240V/50Hz**

BFM86AA	1/6+	8.6	142	RSIR	101	0.82	1.40
BFF86AA	1/6	8.6	142	RSIR/RSCR	93/90	0.65/0.51	1.53/1.58
BFM93AA	1/5	9.3	155	RSIR	108	0.85	1.43
BFF93AA	1/5	9.3	160	RSIR/RSCR	103/98	0.73/0.58	1.55/1.63
BFM10AA	1/5+	10.0	168	RSIR	122	1.01	1.38
BFF11AA	1/4	10.5	185	RSIR	121	0.70	1.45
BFM12AA	1/4+	12.0	202	RSIR	144	1.10	1.40
BFF12AA	1/4+	12.0	202	RSIR/RSCR	130/123	1.04/0.75	1.55/1.64

**F(T) Series High Efficiency Compressor 220-240V/50Hz**

BFT57AA	1/7-	5.7	95	RSCR	53/50	0.28/0.24	1.80/1.90
BFT75AA	1/6	7.5	130	RSCR	75/72	0.35	1.73/1.80
BFT86AA	1/5	8.6	142	RSCR	82/74	0.43/0.36	1.73/1.92
BFT93AA	1/5	9.3	155	RSCR	82	0.50	1.90
BFT10AA	1/5+	10.0	175	RSCR	100/92	0.60/0.43	1.72/1.90
BFT11AA	1/4	10.0	180	RSCR	100	0.54	1.80
BFT12AA	1/4-	11.5	200/210	RSCR	116/114	0.54/0.52	1.72/1.86

**F Series 200-220V/50Hz**

BFF75AT	1/6	7.5	130	RSCR	80	0.46	1.63
BFF86AT	1/5	8.6	142	RSCR	91.5	0.65	1.55
BFM93AT	1/5	9.3	158	RSIR	112	0.93	1.41
BFF93AT	1/5	9.3	160	RSCR	100	0.66	1.60

BFF11AT 1/4 11 175 RSCR 110 0.76 1.60

BFT12AT 1/4 11.5 200 RSCR 130 1.0 1.50

**F Series 115/60Hz**

BFR57AD 1/6 5.7 120 RSCR 75 0.73 1.60

BFR75AD 1/5- 7.5 156 RSCR 92 0.90 1.70

BFM10AD 2/7 10.0 200 RSCR 133 1.55 1.50

BFR10AD 2/7 10.0 195 RSCR 116 1.32 1.65

BFM12AD 1/3 11.0 230 RSCR 153 1.65 1.50

**F Series Compressor LBP R290a**

**220-240V/50Hz**

PFT61AA 3/8 6.1 285 RSCR 183 1.55

PFT66AA 3/8 6.6 310 RSCR 200 1.56

PFT66AA© 3/8 6.6 310 RSCR 190 1.65

PFT75AA 1/2- 7.5 350 RSCR 216 1.62

PFT75AA© 1/2- 7.5 350 RSCR 206 1.70

PFT86AA 1/2 8.6 388 RSCR 258 1.50

PFT86AA© 1/2 8.6 421 RSCR 263 1.60

PFT93AA© 3/5 9.3 455 RSCR 284 1.60

**F Series Compressor L/MBP R290**

**220-240V/50Hz**

PFL57AA 1/3 5.7 255/490 CSIR 170/235 1.50/2.09

PFL75AA 1/2- 7.5 350/657 CSIR 248/324 1.41/2.03

**S1 Series Compressor LBP R600a**

**220-240V~50Hz**

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
BSE60AA 1/8	6		ST	100	RSIR	83	1.2
BSM60AA 1/8	6		ST	100	RSIR	74	1.35
BSE67AA 1/7+	6.7		ST	115	RSIR	96	1.2
BSE72AA 1/6	7.2		ST	123	RSIR	103	1.2
BSM67AA 1/7+	6.7		ST	115	RSIR	85	1.35
BSM72AA 1/6	7.2		ST	123	RSIR	91	1.35
BSM80AA 1/5-	8.1		ST	140	RSIR	104	1.35
BSF60AA 1/7-	6		ST	102	RSIR	70	1.45
BSR60AA 1/7-	6		ST	102	RSCR	66	1.55
BSR67AA 1/7+	6.7		ST	115	RSCR	74	1.55
BSR72AA 1/6	7.2		ST	123	RSCR	82	1.5
BSR80AA 1/5-	8		ST	140	RSCR	93	1.5

**200-220V~50Hz**

BSE80AT 1/5- 8.1 ST 140 RSIR 117 1.2

BSR60AT 1/7 6 ST 102 RSCR 68 1.5

**115V~60Hz**

BSM50AD 1/8 5 ST 96 RSIR 74 1.3

BSM60AD 1/6- 6 ST 120 RSIR 92 1.3

BSF50AD 1/8 5 ST 96 RSIR 68 1.42

BSS60AD 1/6- 6 ST 120 RSCR 75 1.6

**S1 Series Compressor LBP R134a**

220-240V~50Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
GSD25AA 1/12-	2.5	58	ST	58	RSIR	61	0.95
GSD30AA 1/10	3	75	ST	75	RSIR	75	1
GSC35AA 1/8	3.5	93	ST	93	RSIR	103	0.9
GSE30AA 1/10	3	75	ST	75	RSIR	63	1.2

220-240V~50/60Hz

GSC25AG 1/12-	2.5	ST 58	RSIR	71		0.82
		ST 68		68		1
GSC30AG 1/10	3	ST 75	RSIR	83		0.9
		ST 87		79		1.1

115V~60Hz

GSC25AD 1/11	2.5	ST 67	RSIR	61	1.1
GSC30AD 1/9	3	ST 88	RSIR	80	1.1
GSE32AD 1/8	3.2	ST 95	RSIR	79	1.2

100V~50/60Hz

GSC25AJ 1/12-	2.5	ST 58	RSIR	64		0.9
		67		61		1.1
GSC30AJ 1/10	3.0	ST 75	RSIR	79		0.95
		88		73		1.2

**S2 Series Compressor LBP R600a**

220-240V~50Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
BSM88AA 1/5	8.8	155	ST	155	RSIR	119	1.3
BSF88AA 1/5	8.8	155	ST	155	RSIR	111	1.4
BSF92AA 1/5	9.2	162	ST	162	RSIR	116	1.4
BSR67AA 1/7+	6.7	115	ST	115	RSCR	74	1.55
BSR80AA 1/5-	8	140	ST	140	RSCR	93	1.5
BSS60AA 1/7-	6	102	ST	102	RSCR	61	1.66

200-220V~50Hz

BSE80AT 1/5-	8.1	ST 140	RSIR	117	1.2
BSR88AT 1/5	8.8	ST 155	RSCR	103	1.5
BSR60AT 1/7-	6	ST 102	RSCR	66	1.55
BSS60AT 1/7-	6	ST 102	RSCR	63	1.62

115V~60Hz

BSS55AD 1/7+	5.5	ST 110	RSIR	69	1.6
BSS60AD 1/6-	6	ST 120	RSCR	76	1.57

**S2 Series Compressor LBP R134a**

220-240V~50Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
GSM57AA 1/5	5.7	165	ST	165	RSIR	122	1.35

GSF57AA 1/5	5.7	ST	165	RSIR	114	1.45
200-220V~50Hz						
GSF45AT 1/6	4.5	ST	125	RSIR	93	1.35
GSF57AT 1/5	5.7	ST	165	RSCR	116	1.42

**AT Series Compressor LBP R600a**

220-240V~50Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
BATS80AA 1/5-	8	ST	142	RSCR	84	1.70	
BATS96AA 1/5	9.6	ST	166	RSCR	98	1.70	
BATU60AA 1/7-	6	ST	102	RSCR+EPTC	57	1.78	
BATU67AA 1/7+	6.7	ST	115	RSCR+EPTC	65	1.78	
BATF96AA 1/5	9.6	ST	166	RSIR	119	1.4	
BATR96AG 1/5	9.6	ST	166	RSIR	107	1.55	
BATK60AA 1/7-	6	ST	102	RSCR+EPTC	57	1.8	
BATK67AA 1/7+	6.7	ST	115	RSCR+EPTC	64	1.8	
BATK105AA 1/4	10.5	ST	184	RSCR+EPTC	102	1.8	
BATS115AA 1/4	11.5	ST	198	RSCR	118	1.68	
BATF115AA 1/4	11.5	ST	198	RSIR	141	1.4	
BATK96AA 1/5	9.6	ST	166	RSCR+EPTC	91	1.83	
BATR88AY 1/5	8.8	ST	155	RSIR	100	1.55	
			155	RSCR	94	1.65	
BATF96AY 1/5	9.6	ST	166	RSIR	109	1.52	
			166	RSCR	104	1.6	

**AT Series Compressor LBP R134a**

220-240V~50Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
GATF57AA 1/5	5.7	ST	165	RSCR	118	1.40	
GATF66AA 1/4	6.6	ST	196	RSCR	138	1.42	
GATF75AA 1/4+	7.5	ST	218	RSCR	147	1.48	
GATF86AA 1/3	8.6	ST	250	RSCR	168	1.49	

**V Series Compressor LBP R134a**

220-240V~50/60Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
GVC20AA 1/11	2.0	ST	65	RSIR	68	0.95	
GVC25AA 1/10	2.5	ST	75	RSIR	79	0.95	
GVC30AA 1/8-	3.0	ST	90	RSIR	95	0.95	
GVC35AA 1/8	3.5	ST	98	RSIR	103	0.95	

220-240V~50/60Hz

GVC20AG 1/11	2	ST	65	RSIR	68	0.95
			78		65	
GVC20AG 1/10	2.5	ST	75	RSIR	79	0.95
			90		75	

GVC20AG 1/8- 3 ST <sup>90</sup> RSIR <sup>95</sup> 0.95  
<sup>106</sup> 88 1.2

**V Series DC Compressor**

12/24V Inverter

Model	Power Hp	Displacement	Cooling Type	RPM	Cooling Capacity	Motor Type	Input Power	COP
GVM25DC 1/11	2.5		ST	2000	45	BLDC	34	1.32
				2500	56		42	1.32
				3000	69		51	1.35
				3500	75		57	1.31
GVM30DC 1/9	3		ST	2000	69	BLDC	51	1.35
				2500	75		57	1.31
				3000	81		62	1.31
				3500	96		73	1.32
GVM35DC 1/8	3.5		ST	2000	65	BLDC	50	1.31
				2500	81		62	1.31
				3000	96		73	1.32
				3500	110		85	1.29
BVM43DC 1/11	4.3		ST	2000	43	BLDC	32	1.35
				2500	54		40	1.36
				3000	68		50	1.36
				3500	72		55	1.32

**L Series Compressor LBP R600a**

220-240V~50Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
BLC30AA 1/15	3.0		ST	48	RSIR	48	1.00
BLC35AA 1/14	3.5		ST	52	RSIR	52	1.00
BLC43AA 1/11+	4.3		ST	64	RSIR	61	1.05
BLC52AA 1/10+	5.2		ST	78	RSIR	74	1.05
BLC60AA 1/8	6.0		ST	95	RSIR	95	1.00

115V~60Hz

BLC32AD 1/13	3.2	ST	57	RSIR	52	1.10
BLC35AD 1/11+	3.5	ST	64	RSIR	58	1.10
BLC43AD 1/10+	4.3	ST	78	RSIR	71	1.10
BLC48AD 1/9+	4.8	ST	86	RSIR	78	1.10

**L Series Compressor LBP R134a**

220-240V~50Hz

Model	Power Hp	Displacement	Cooling Type	Cooling Capacity	Motor Type	Input Power	COP
GLC20AA 1/13-	2.2		55	ST	RSIR	55	1.00
GLC25AA 1/11-	2.5		65	ST	RSIR	65	1.00

Freon Model The volume of the cylinder -23 C W Email The question

R-134a GVM 25 AA 2.5	59	220~240V-50Hz
R-134a GVM 28 AA 2.8	68	220~240V-50Hz
R-134a GVM 30 AA 3.0	75	220~240V-50Hz

R-134a GVM 35 AA 3.5	92	220~240V-50Hz
R-134a GTM 45 AA 4.5	120	220~240V-50Hz
R-134a GTF 52 AA 5.2	150	220~240V-50Hz
R-134a GFM 44 AA 4.6	120	220~240V-50Hz
R-134a GFF 44 AA 4.6	130	220~240V-50Hz
R-134a GFM 53 AA 5.3	145	220~240V-50Hz
R-134a GFF 57 AA 5.7	166	220~240V-50Hz
R-134a GFF 66 AA 6.6	195	220~240V-50Hz
R-134a GFR 66 AA 6.6	195	220~240V-50Hz
R-134a GFF 75 AA 7.5	215	220~240V-50Hz
R-134a GFF 86 AA 8.6	250	220~240V-50Hz
R-134a GFF 93 AA 9.3	270	220~240V-50Hz
R-134a GFM 10 AA 10.0	290	220~240V-50Hz
R-134a GFM 12 AA 12.0	330	220~240V-50Hz
R-134a GFR 57 AG 5.7	166/195	220~240V-50Hz
R-134a GFR 66 AG 6.6	195/220	220~240V-50Hz
R-134a GFR 57 AT 5.7	166	200~220V-50Hz
R-134a GVM 25 AD 2.5	68	115V -60Hz
R-134a GVM 30 AD 3.0	84	115V -60Hz
R-134a GFM 44 AD 4.6	145	115V -60Hz
R-134a GFM 53 AD 5.3	180	115V -60Hz
R-134a GFM 57 AD 5.7	195	115V -60Hz
R-134a GFM 61 AD 6.1	210	115V -60Hz
R-134a GFR 40 AD 3.6	125	115V -60Hz
R-134a GFR 44 AD 4.0	145	115V -60Hz
R-134a GFR 53 AD 5.3	180	115V -60Hz
R-134a GFR 57 AD 5.7	195	115V -60Hz
R-134a GFR 66 AD 6.6	225	115V -60Hz

Performance table of SIBERIA R-600 compressors

Freon Model	The volume of the cylinder -23 C	W	Email	The question
R-600 BVM 35 AA 3.5	55			220~240V-50Hz
R-600 BVM 43 AA 4.3	68			220~240V-50Hz
R-600 BTF 60 AA 6.0	100			220~240V-50Hz
R-600 BTF 65 AA 6.5	110			220~240V-50Hz
R-600 BTF 70 AA 7.0	120			220~240V-50Hz
R-600 BFM 67 AA 6.7	120			220~240V-50Hz
R-600 BFM 80 AA 7.5	130			220~240V-50Hz
R-600 BFM 86 AA 8.6	142			220~240V-50Hz
R-600 BFM 93 AA 9.3	155			220~240V-50Hz
R-600 BFM 10 AA 10.0	168			220~240V-50Hz
R-600 BFF 75 AA 7.5	130			220~240V-50Hz
R-600 BFF 86 AA 8.6	142			220~240V-50Hz
R-600 BFF 93 AA 9.3	155			220~240V-50Hz
R-600 BFF 10 AA 10.0	168			220~240V-50Hz
R-600 BFF 12 AA 12.0	202			220~240V-50Hz
R-600 BFR 67 AA 6.7	120			220~240V-50Hz



R-600 BFR 75 AA 7.5  
R-600 BFR 86 AA 8.6  
R-600 BFR 93 AA 9.3  
R-600 BFR 10 AA 10.0

130 220~240V-50Hz  
142 220~240V-50Hz  
155 220~240V-50Hz  
168 220~240V-50Hz

