

Mbsm.pro, Compressor, SEBERIA Hermetic Compressor, F Series, t Series, y Series, s Series, inverter dc

MG mbsm.pro/seberia

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April 11, 2022



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F Series

L/M/HBP

Compact Size

Low Noise & Vibration

High Efficiency & Reliability

Specifications

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
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

T Series Compressor LBP R134a

220-240V/50Hz

Model	Power Hp	Displacement	Cooling Capacity	Motor Type	Input Power	Rated Current	COP	Oil Charge
GTF35AA	1/8	3.5	98	RSCR	70	0.36	1.40	180
GTF35AA©	1/8	3.5	98	RSIR	73	0.60	1.35	180
GTM45AA	1/6	4.5	125	RSIR	102	0.75	1.22	180
GTF45AA	1/6	4.5	125	RSCR	91	0.55	1.38	180
GTR45AA	1/6	4.5	125	RSCR	88	0.45	1.42	180
GTM52AA	1/6+	5.2	150	RSIR	120	0.82	1.25	180
GTF56AA	1/5	5.6	165	RSIR/RSCR	123/118	0.82/0.67	1.33/1.40	180
GTF56AA©	1/5	5.6	165	RSIR/RSCR	110/103	0.70/0.50	1.50/1.60	180
GTF66AA	1/4	6.6	195	RSIR/RSCR	135/129	0.85/0.65	1.45/1.50	180

T Series Compressor LBP R600a

220-240V/50Hz

BTF55AA	1/8	5.5	95	RSIR	68	0.15	1.42	180
BTF55AA®	1/8	5.5	95	RSIR/RSCR	63/59	0.43/0.30	1.50/1.60	180
BTF55AA©	1/8	5.5	95	RSIR/RSCR	58/54	0.38/0.28	1.65/1.75	180
BTF60AA	1/7	6.0	105	RSIR/RSCR	74/70	0.52/0.40	1.42/1.50	180
BTF60AA®	1/7	6.0	105	RSIR/RSCR	68/64	0.50/0.34	1.54/1.65	180
BTR60AA©	1/7	6.0	105	RSIR/RSCR	66/60	0.42/0.29	1.60/1.75	180
BTF65AA	1/7+	6.5	115	RSIR/RSCR	71/68	0.54/0.39	1.60/1.67	180
BTF70AA	1/6	7.0	125	RSIR/RSCR	81/76	0.57/0.42	1.55/1.65	180

BTF70AA©	1/6	7.0	125	RSCR	71	0.36	1.75	180
BTF85AA	1/6+	8.0	135	RSIR/RSCR	89/82	0.69/0.46	1.52/1.65	180
BTF85AA©	1/6+	8.0	135	RSCR	77	0.39	1.75	180
BTR88AA	1/5-	8.8	152	RSIR/RSCR	96/88	0.63/0.45	1.55/1.70	180
BTF92AA	1/5-	9.2	155	RSIR/RSCR	109/94	0.725/0.55	1.42/1.56	180
BTR92AA	1/5-	9.2	155	RSIR/RSCR	100/94	0.55/0.45	1.55/1.65	180
BTF92AA-2©	1/5-	9.2	155	RSIR/RSCR	94/88	0.50/0.45	1.65/1.75	180
BTF100AA	1/5	10	170	RSIR/RSCR	117/110	0.82/0.58	1.45/1.55	180

Y Series

LBP

High Reliability

Very Compact Size

Low Noise & Vibration

Specifications

Y Series Compressor LBP R134a

220-240V/50Hz

Model	Power Hp	Displacement	Cooling Capacity	Motor Type	Input Power	Rated Current	COP	Oil Charge
GYM25AA	1/12	2.5	58	RSIR	58	0.45	1.00	130
GYF28AA	1/11	2.8	64	RSIR/RSCR	57/56	0.50/0.35	1.14/1.15	130
GYF30AA	1/10	3.0	75	RSIR/RSCR	66/62	0.51/0.35	1.14/1.21	130
GYM35AA	1/8	3.5	94	RSIR	83	0.68	1.14	130
GYF35AA©	1/8	3.5	94	RSIR/RSCR	83/80	0.66/0.50	1.14/1.21	130
GYM43AA©	1/7	4.3	112	RSIR	74	0.70	1.20	130

Y Series Compressor LBP R600a

220-240V/50Hz

BYM35AA	1/12	3.5	55	RSIR	46	0.39	1.20	130
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BYF35AA	1/12	3.5	55	RSCR	36.6	0.20	1.50	130
BYR35AA	1/12	3.5	55	RSCR+EPTC	33	0.18	1.65	130
BYM43AA	1/11	4.3	68	RSIR	52	0.43	1.30	130
BYM48AA	1/10	4.8	75	RSIR	50	0.23	1.50	150
BYF52AA	1/9	5.2	85	RSIR/RSCR	65	0.50/0.30	1.45/1.55	150
BYF60AA	1/8	6.0	100	RSCR	62	0.32	1.60	150
BYF65AA	1/7	6.5	110	RSCR	85	0.40	1.60	150
BYF70AA	1/6	7.0	122	RSCR	78	0.42	1.60	150

115V 60Hz

BYF43AD	1/9	4.3	85	RSCR	55	0.57	1.55	130
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S Series Compressor LBP R600a

Model	Power Hp	Displacement	Cooling Capacity	Motor Type	Input Power	Rated Current	COP
BSE35AA	1/12	3.5	52	RSIR	43.3	0.45	1.20
BSE41AA	1/11	4.1	68	RSIR	56.7	0.49	1.20
BSR41AA	1/11	4.1	68	RSCR	43.9	0.23	1.55
BSE55AA	1/8	5.5	92	RSIR	76.7	0.52	1.20
BSS55AA	1/8	5.5	92	RSCR	55.8	0.28	1.65
BSE60AA	1/7	6.0	102	RSIR	85.0	0.58	1.20
BSM60AA	1/7	6.0	102	RSIR	75.6	0.55	1.35
BSR60AA	1/7	6.0	102	RSCR	65.8	0.35	1.55
BSE67AA	1/6	6.7	115	RSIR	95.8	0.60	1.20
BSS67AA	1/6	6.7	115	RSCR	69.7	0.34	1.65
BSE72AA	1/6	7.2	123	RSIR	102.5	0.67	1.20
BSF72AA	1/6	7.2	123	RSCR	79.4	0.48	1.55
BSE80AA	1/5	8.1	138	RSIR	106.2	0.8	1.30
BSM80AA	1/5	8.1	138	RSIR	98.6	0.74	1.40

S Series Compressor LBP R600a

200-220V/50Hz							
BSE35AT	1/12	3.5	52	RSIR	43.3	0.45	1.20
BSE60AT	1/7	6.0	102	RSIR	85.0	0.58	1.20
BSR60AT	1/7	6.0	102	RSCR	65.8	0.35	1.55

S Series Compressor LBP R134a

220-240V/50Hz							
GSE28AA	1/11	2.8	64	RSIR	57.0	0.5	1.20
GSE30AA	1/10	3.0	75	RSIR	66.0	0.51	1.20
GSE35AA	1/8	3.5	94	RSIR	83.0	0.68	1.20
GSM45AA	1/6	4.5	122	RSCR	91.0	0.55	1.35

Inverter Compressor

High Reliability

Variable Speed

Very Compact Size

Low Noise & Vibration

Specifications

Inverter Compressor R600a

220-240V 50/60Hz

Model	Displacement	Cooling Type	Motor Type	Speed	Cooling Capacity	Input Power	Rated Current	COP	Loading Quantity
VBE72A1	7.2	ST	BLDC	1200	55	29	0.25	1.89	2400PCS/20GP
				1600	75	37	0.30	2.02	
				2400	108	56	0.44	1.93	
				3000	134	67	0.55	2.00	
				4500	180	100	0.76	1.80	
BTF80FSL	8	ST	BLDC	1200	59	34.6	0.29	1.70	2400PCS/20GP
				1600	81	43	0.35	1.87	
				2400	123	65	0.50	1.88	
				3000	142	79	0.60	1.80	

				4500	185	109	0.81	1.69	
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Inverter Compressor

High Reliability
Variable Speed
Very Compact Size
Low Noise & Vibration



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Inverter Compressor

High Reliability
Variable Speed
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F Series

L/M/HBP
Compact Size
Low Noise & Vibration
High Efficiency & Reliability



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F Series

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T Series

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S Series



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S Series



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T Series



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Variable Speed
Very Compact Size
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