

Globetrotter TEFC 3-Phase General Purpose Motors

Features

- 208-230/460 Voltage, as noted
- 1800 or 3600 RPM models
- Meets or exceeds NEMA Premium® efficiencies
- NEMA Premium models are in compliance with EISA 2007
- Rigid base mount is Cast-iron frame material.
- C-Face with base mount Frame 184-215 is Rolled Steel, Frame 254,265 is cast-iron
- TEFC models are Div 2/Zone 2 Class 1 (gases), Groups A, B, C, D as noted on nameplate
- Steel Conduit Box and Fan Guard.
- Bearing lock Frames 182-286
- Bearing caps Frames 324 and up
- IP55 enclosure on cast-iron frames, IP43 on Rolled Steel.
- Inverter ratings 10:1 variable torque and 2:1 or 10:1 constant torque, as noted.
- 1.15 Service factor on sinewave, 1.0 service factor on IGBT power
- Meets temperature code T2B
- Class F, Class B Rise Insulation
- Standard assembly F1, reversible to F2 assembly
- Dual frame mounting
- UL recognized, CSA certified, CE mark
- Three year warranty (through Regal)

Applications

Typical uses in many commercial and industrial environments such as HVAC, Conveyors, Pumping, and Cooling Towers. Globetrotter provides durability and dependability.



Motor Specifications – 3-Phase												
Part Number*	Price	HP	Base RPM	Volts	Service Factor	Encl.	Frame Material	NEMA Design	NEMA Frame	Weight (lb)	Drawing Links	
Rigid Base												
GT1010A		3	1800	208–230/460 VAC	1.15 (sine), 1.0 (drive)	TEFC	Cast-iron	A	182T	97	PDF	
GT1013A		5							184T	111	PDF	
GT1016A		7 1/2							213T	167	PDF	
GT1019A		10							215T	183	PDF	
GT1022A		15						254T	299	PDF		
GT1025A		20						256T	335	PDF		
GT1028A		25						284T	400	PDF		
GT1031A		30						286T	492	PDF		
GT1034A		40						324T	625	PDF		
GT1037A		50						326T	680	PDF		
GT1040A		60						364T	805	PDF		
GT1043A		75						365T	983	PDF		
GT1046A		100						405T	1,325	PDF		
C-Face with Base												
GT1210A		3	1800	230/460 VAC	1.15 (sine), 1.0 (drive)	TEFC	Rolled Steel	B	182TC	97.00	PDF	
GT1212A		5	3600							110.00	PDF	
GT1213A			1800							110.00	PDF	
GT1216A		7 1/2	1800						213TC	150.00	PDF	
GT1218A		10	3600						215TC	210.00	PDF	
GT1219A			210.00						PDF			
GT1222A		15	1800				Cast-iron		254TC	400.00	PDF	
GT1225A		20	1800				Cast-iron		256TC	455.00	PDF	

Motor Shipping Schedule *

Same or one day *	Up to 7 days	Up to 10 days
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Color indicates shipping lead time in business days. Check stock status online.

* Certain heavy and oversized items can be shipped only via LTL.

Check our website for current shipping method constraints by part number.

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Performance Data - 3-Phase															
Part Number	HP	F.L. RPM	Current @ 230V/460V (Amps)			Torque (lb-ft)			Torque Speed Rating		F.L. Effic. %	F.L. Power Factor	Resistance Main	Rotor Inertia (lb-ft ²)	
			No Load 460V	Full Load 230/460V	Locked Rotor	Full Load	Locked Rotor	Break-down	Constant	Variable					
Rigid Base															
GT1010A	3	1770	2.6	8.6-8.3/4.2	23	9.0	23.0	33.5	10:1	10:1	89.5	76	3.85	N/A*	
GT1013A	5	1765	3.5	13.2/6.6	53.5	14.9	35.0	46.0			89.5	80	2.75		
GT1016A	7 1/2	1768	4.6	20.6-19.0/9.5	62	22.3	45.0	59.0			93.3	79.3	1.473	0.95	
GT1019A	10	1762	5.6	27.3-25.0/12.5	79	29.8	59.0	74.0			91.7	81.3	1.155	1.1	
GT1022A	15	1772	8.5	40.0-37.5/18.8	113	44.5	91.0	118.0			92.4	82	.6738	2.4	
GT1025A	20	1768	10	53.0-48.5/24.2	144	59.4	119.0	146.0			93	83.5	.513	3.8	
GT1028A	25	1772	11.8	65.0-60.0/30.0	182	74.0	144.0	190.0			93.6	83	.2988	5.2	
GT1031A	30	1770	13	78.0-71.0/35.5	215	89.0	169.0	235.0			93.6	84	.27	5.7	
GT1034A	40	1782	17.5	95.0/47.5	290	118.0	212.0	313.0		20:1	94.1	84	.18	11.2	
GT1037A	50	1782	20.5	117.0/58.5	380	147.0	282.0	410.0	2:1	10:1	94.5	85	.127	12	
GT1040A	60	1782	22.5	138.0/69.0	435	177.0	354.0	451.0			95	85.5	.103	17.2	
GT1043A	75	1782	27.5	171.0/85.5	542	221.0	475.0	575.0			95.4	86	.072	20.5	
GT1046A	100	1785	36	226.0/113.0	786	294.0	618.0	854.0			95.4	87	.0555	35	
C-Face with Base															
GT1210A	3	1790	2.3	8.0/4.0	32	9.0	20.0	29.0	10:1	10:1	89.5	78	3.85	N/A*	
GT1212A	5	3515	2.4	12.4/6.2	42	7.5	16.2	23.0	2:1		88.5	86	3.44		
GT1213A		1790	3	13.2/6.6	49.5	15.0	33.0	42.0	10:1		89.5	80	2.75		
GT1216A	7 1/2	1790	4.6	19/9.5	62	22.3	45.0	59.0			91.7	79.3	1.473		
GT1218A	10	3515	6	27.3-25.0/12.5	77	29.8	65.0	85.0	2:1		91.7	81.3	1.155		
GT1219A		1790	3.9	23.6/11.8	79	14.9	28.0	41.0			90.2	88	1.218		
GT1222A	15	1790	8.5	37.5/18.8	113	44.5	91.0	118.0	10:1		92.4	82	.6738	2.4	
GT1225A	20	1768	10	48.5/24.2	144	59.4	119.0	146.0			93	83.5	0.513	3.8	

* Data not available from manufacturer