marathon® Motors

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	$591.00	3	1800	208–230/460 VAC	1.15 (sine), 1.0 (drive)	TEFC	Cast-iron	A	182T	97	PDF
GT1013A	$675.00	5							184T	111	PDF
GT1016A	$836.00	7 1/2						B	213T	167	PDF
GT1019A	$1,104.00	10							215T	183	PDF
GT1022A	$1,576.00	15							254T	299	PDF
GT1025A	$1,737.00	20							256T	335	PDF
GT1028A	$2,112.00	25							284T	400	PDF
GT1031A	$2,213.00	30							286T	492	PDF
GT1034A	$2,827.00	40							324T	625	PDF
GT1037A	$3,013.00	50							326T	680	PDF
GT1040A	$4,460.00	60							364T	805	PDF
GT1043A	$5,462.00	75							365T	983	PDF
GT1046A	$7,106.00	100							405T	1,325	PDF
GT1049A	$10,183.00	125		460VAC					444T	1,588	PDF
GT1052A	$11,163.00	150							445T	1,950	PDF
GT1055A	$13,017.00	200							447T	2,300	PDF
C-Face with Base											
GT1210A	$595.00	3	1800	230/460 VAC	1.15 (sine), 1.0 (drive)	TEFC	Rolled Steel	B	182TC	97.00	PDF
GT1212A	$597.00	5	3600							110.00	PDF
GT1213A	$634.00		1800							110.00	PDF
GT1216A	$892.00	7 1/2							213TC	150.00	PDF
GT1218A	$952.00	10	3600						215TC	210.00	PDF
GT1219A	$1,030.00		1800							210.00	PDF
GT1222A	$1,599.00	15					Cast-iron		254TC	400.00	PDF
GT1225A	$1,727.00	20							256TC	455.00	PDF

Motor Shipping Schedule *

Same or one day *	Up to 7 days	Up to 10 days

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.

Globetrotter TEFC 3-Phase General Purpose Motors

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·ft²)
			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
GT1049A	125	1790	46.5	140.0	905	367.0	679.0	991.0			95.4	87	.0374	60
GT1052A	150	1790	54	169.0	1085	440.0	926.0	1232.0			95.8	87	.0294	80
GT1055A	200	1790	69	219.0	1450	587.0	1256.0	1656.0			96.5	89	.0184	88
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**

Regal AC Motor Selection - Washdown & General Purpose 3-Phase Motors

Regal 3-phase General Purpose & Washdown Motor Selection						
Manuf / Application	***Leeson® Washdown***		***Marathon® General Purpose***			
Series	***SST Duck***	***White Duck***	***Jet Pump***	***NEMA Premium® XRI®***	***4-in-1 XRI***	***Globetrotter***
Electrical Characteristics						
HP range	1/3 - 2	1/4 - 10	1/3 - 2	1 - 10	1/3 - 3/4	3-200
Base speed (# poles)	1800 (4) and 3600 (2)		3600 (2)	1200(6), 1800(4), 3600(2)	1800 (4) and 3600 (2)	1800 (4)
Standard voltage	208-230/460	208-230/460 & 230/460V	208-230/460 (J063A/65A is 230/460 only)	208-230/460	208-230 / 460 and 575	208-230/460 & 230/460V ***
Ph/Base frequency (Hz)	3 / 60					
Service factor	1.15	1.15 & 1.25 ***	1.75-1.15 Line 1.0 Drive	1.15 (line) ; 1.0 (drive)	1.15	1.15
Design code (NEMA)	A & B	B	B	A (E2001A) B (all others)	B	A or B***
Insulation class	F	F	B	F	F3	F
Insulation system	IRIS	IRIS	Max Guard	CR200 magnet wire		
Duty cycle	Continuous					
Thermal protection	None	Some Models	None			
Mechanical Characteristics						
Frame size (mounting)	56C(HC)-143TC- 145TC	56(C,HC), 145T(TC), 182T(TC), 184T(TC), 213T(TC); 215T(TC)	56J(HJ)	56C - 215TC	56C	182T - 447T
Enclosure	TENV and TEFC		TEFC and DP	TEFC	TENV and TEFC	Drip Proof and TEFC
Frame material	Stainless Steel	Rolled Steel			Rolled Steel	Rolled Steel or Cast-iron***
End bracket material	Stainless Steel	Steel	Cast Aluminum, Steel	Aluminum	Cast Aluminum	Steel
Conduit box material	Stainless Steel	Steel			Steel	Steel
Fan guard material	Stainless Steel	Propolyene	Steel	Plastic	Polypropylene	Rolled Steel or Cast-iron***
Fan material	Polypropylene	Composite	Plastic	Polypropylene	Polypropylene	Polypropylene
Lead termination	Conduit Box				Conduit box except Terminal block (<1/2 hp)	Conduit box
Standard mounting	C-Face with and w/o Base ***		C-Face with Rigid Base		C-Face with Removable Base	
Drive end shaft slinger	-	-	No	Yes	No	-
Paint	N/A	White Epoxy	N/A	Blue enamel	Gray powder	Black powder- coat; Black enamel
Bearings	Ball			Ball (C3 fit)	Ball	Ball
Grease	Exxon Polyrex EM					
Standard conduit box assy. position	F1 only & F1/F2 capable***		F1	F3	F1 & NPO	F1, F2 reversable***
Performance Characteristics						
Constant torque speed range	10:1 TEFC 1000:1 TENV		10:1	10:1	10:1 (TEFC) 1000:1 (TENV)	10:1
Variable torque speed range	10:1		10:1	10:1	–	10:1
Constant HP speed range	2.1	2.1	2:1	2:1	2:1	2:1
Temperature rise	F	F	B	F	F	F
Encoder provisions	No	No	No	No	No	No
Other Characteristics						
Warranty *	12 months from installation, 18 months from purchase. (through Rexnord Regal)			3 years	3 years	3 years
Agency listings **	UL Recognized, CSA Certified, CE Mark++					

*** See Terms and Conditions for motor warranty explanation. Marathon warranty service can be arranged through Rexnord Regal service centers. See list of service centers on our website at www.automationdirect.com.**

**** To obtain the most current agency approval information, see the Agency Approval Checklist on the specific part number's web page.**

*****Varies by Model**