

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 256TTFCA6026

Catalog No: GT1025

Globetrotter® General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 256T Frame, TEFC



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RegalRexnord

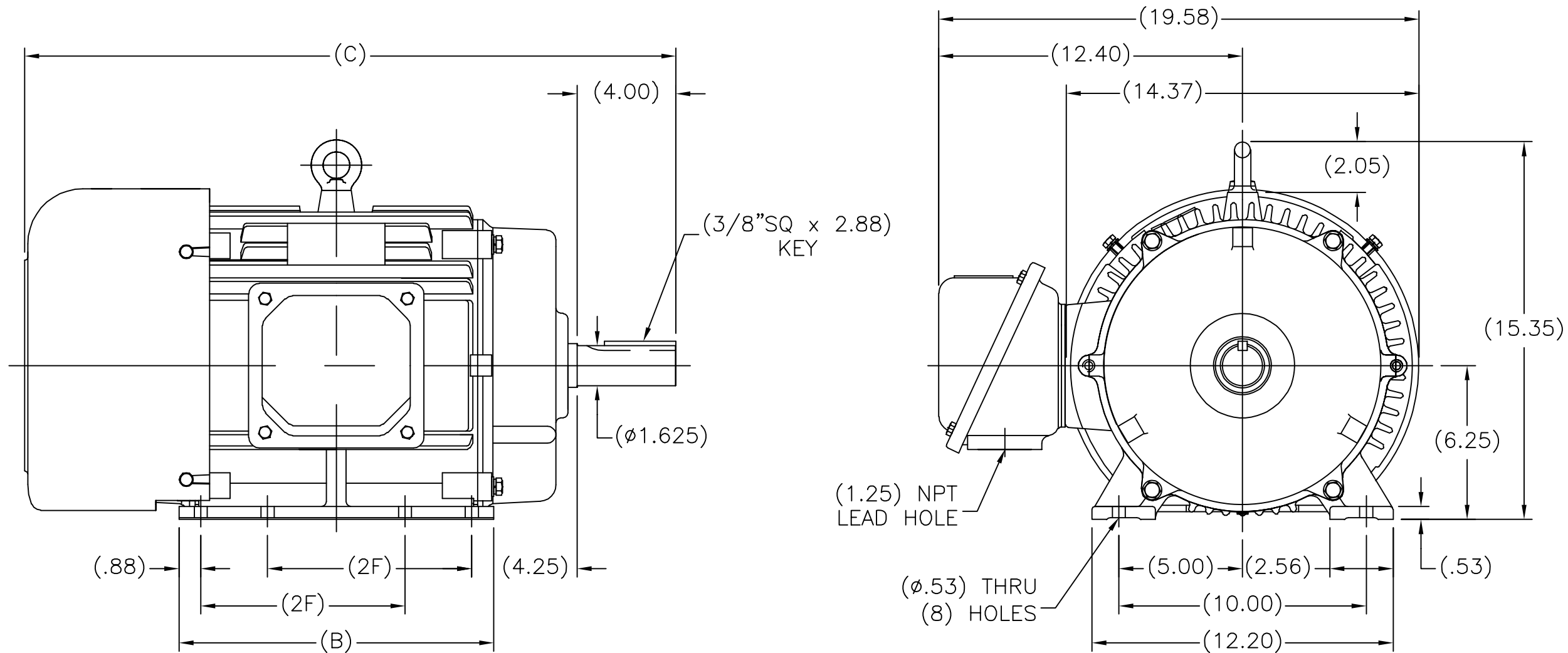
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1768 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	48/24- & 45/22.5 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.42 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	27.80 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 Capable		
Connection Drawing	A-EE7308K	Outline Drawing	SS620244-256T


SS620244



(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE)

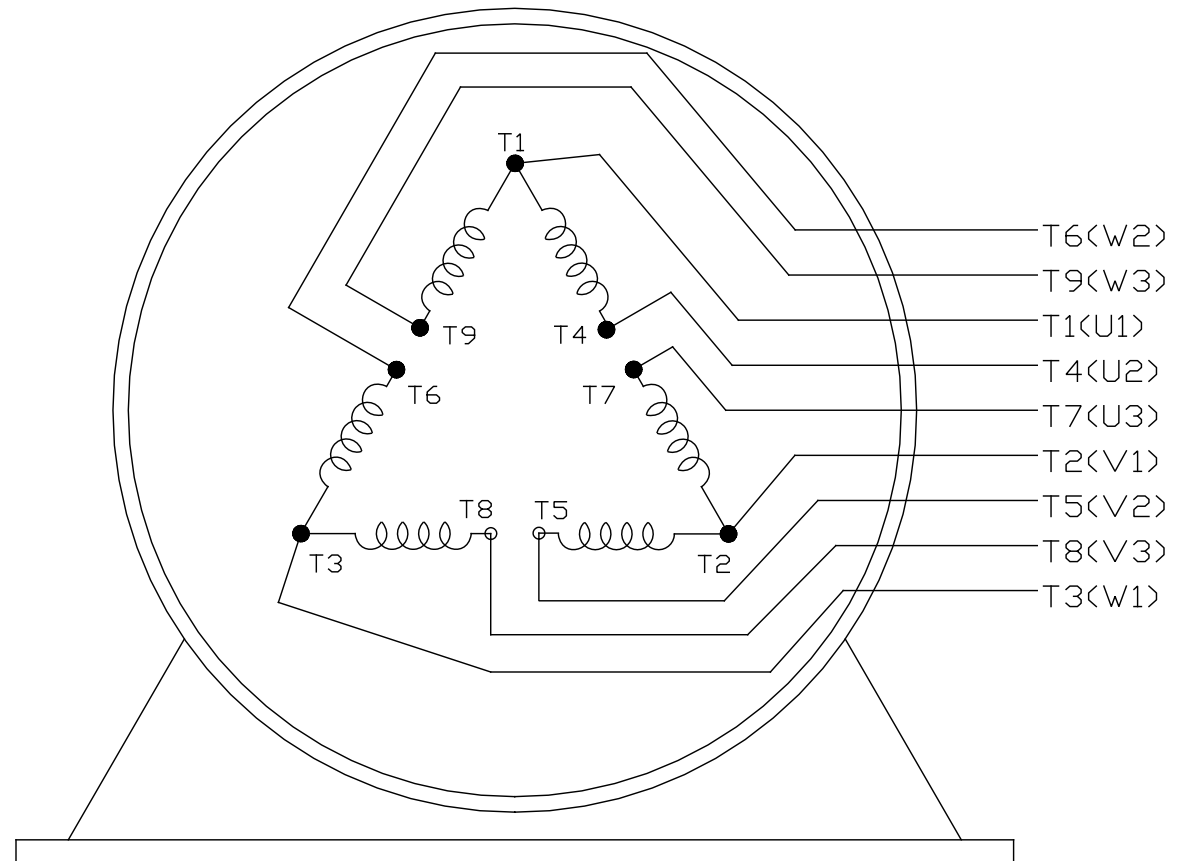
254T	26.60	12.80	8.25
256T	27.80	13.98	10.00
FRAME	C	B	2F

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN MSG 01-12-2010		
				DEC.	INCHES		CHK	MJS	01-13-2010
				.X	±.1		APPD	SB	01-13-2010
				.XX	±.03	TITLE OUTLINE			
				.XXX	±.005	254T FR. - TEFC			
D	CHANGED BORDER LOGO TO "REGAL"	ECO-0075536	WGJ 04-09-2015	EH	.XXXX ±.0005	MAT'L.			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			
				RFP	01-14-2010	CAD FILE SS620244	SIZE	DRAWING NO.	PAGE OF
				DIST			B	SS620244	REV.
								D	

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LOW VOLTAGE

EE7308K

HIGH VOLTAGE

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"		CHK	ML	06-05-1997
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES				
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	± .1				
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02	TITLE CONNECTION DIAGRAM DELTA CON. - 3Ø - 9 LEADS			
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005				
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005				
						MAT'L.			
						FINISH			
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						DIST			A
								DRAWING NO.	PAGE OF
								EE7308K	REV.
									E

CERTIFICATION DATA SHEET

Model#: 256TTFCA6026 AA
 CONN. DIAGRAM: A-EE7308K
 OUTLINE: B-SS620244

WINDING#: CHT25640001 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1800	1768&1475	256T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	48/24- &45/22.5	ACROSS THE LINE	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 93&92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 82&82.5	3/4 LOAD PF: 78	1/2 LOAD PF: 68	92.4	SQ CAGE IND RUN	19.6 / 9.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
60 LB-FT	276 / 138	116 LB-FT 192	165 LB-FT 278	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	3.2 LB-FT^2	125 LB-FT^2	20 SEC.	2	380 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6309	6209						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further
information

* N O T E S *	INVERTER TORQUE: NONE
	INV. HP SPEED RANGE: NONE
	ENCODER: NONE
	NONE NONE NONE NONE PPR
	BRAKE: NONE NONE
	NONE P/N NONE
	NONE NONE
	NONE FT-LB NONE V NONE Hz

DATE: 06/21/2017 10:38:38 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



256TTFCA6026

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.8	11.5	15.0	19.5	24.5	28.0	30.5	138	
Torque (ft-lb)	0.00	15.0	29.5	44.5	60.0	68.6	75.0	116	
RPM	1800	1792	1785	1778	1768	1,765	1760	0	
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7		
P.F. (%)	5.5	46.5	68.0	78.0	82.0	83.0	84.0	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block																																
Speed (RPM)	0	900	1650	1768	1800	HP	20.0																															
Current (Amps)	138	120	87.0	24.5	9.8	Sync. RPM	1800																															
Torque (ft-lb)	116	95.0	165	60.0	0.00	Frame	256																															
<div><div>— Efficiency (%) — P.F. (%) — Current (Amps)</div><table><thead><tr><th>LOAD</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>20%</td><td>88.0</td><td>45.0</td><td>10.0</td></tr><tr><td>40%</td><td>92.0</td><td>65.0</td><td>12.0</td></tr><tr><td>60%</td><td>93.0</td><td>75.0</td><td>14.0</td></tr><tr><td>80%</td><td>93.0</td><td>80.0</td><td>16.0</td></tr><tr><td>100%</td><td>92.0</td><td>83.0</td><td>18.0</td></tr><tr><td>120%</td><td>90.0</td><td>84.0</td><td>20.0</td></tr></tbody></table></div>						LOAD	Efficiency (%)	P.F. (%)	Current (Amps)	20%	88.0	45.0	10.0	40%	92.0	65.0	12.0	60%	93.0	75.0	14.0	80%	93.0	80.0	16.0	100%	92.0	83.0	18.0	120%	90.0	84.0	20.0	Enclosure	TEFC			
						LOAD	Efficiency (%)	P.F. (%)	Current (Amps)																													
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						Construction	TFC																															
						Voltage	30/460#190/381 V																															
						Frequency	60	Hz																														
						Design	B																															
						LR Code letter	G																															
						Service Factor	1.15																															
						Temp Rise @ FL	60	° C																														
						Duty	CONT																															
						Ambient	40	° C																														
Elevation	1,000	feet																																				
Rotor/Shaft wk²	3.2	Lb-Ft²																																				
Ref Wdg	CHT25640001 NONE																																					
Sound Pressure @ 1M	65	dBA																																				
VFD Rating	NONE																																					
Outline Dwg	B-SS620244																																					
Conn. Diag	A-EE7308K																																					
Additional Specifications:																																						
0																																						
0																																						
EQUIV CKT (OHMS / PHASE)																																						
R1	R2	X1	X2	Xm																																		
0.2770	0.2060	0.8660	1.4770	28.2580																																		

Speed -Torque Curve

