

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTFCA6038

Catalog No: GT1243

Globetrotter® General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 365TC Frame, TEFC



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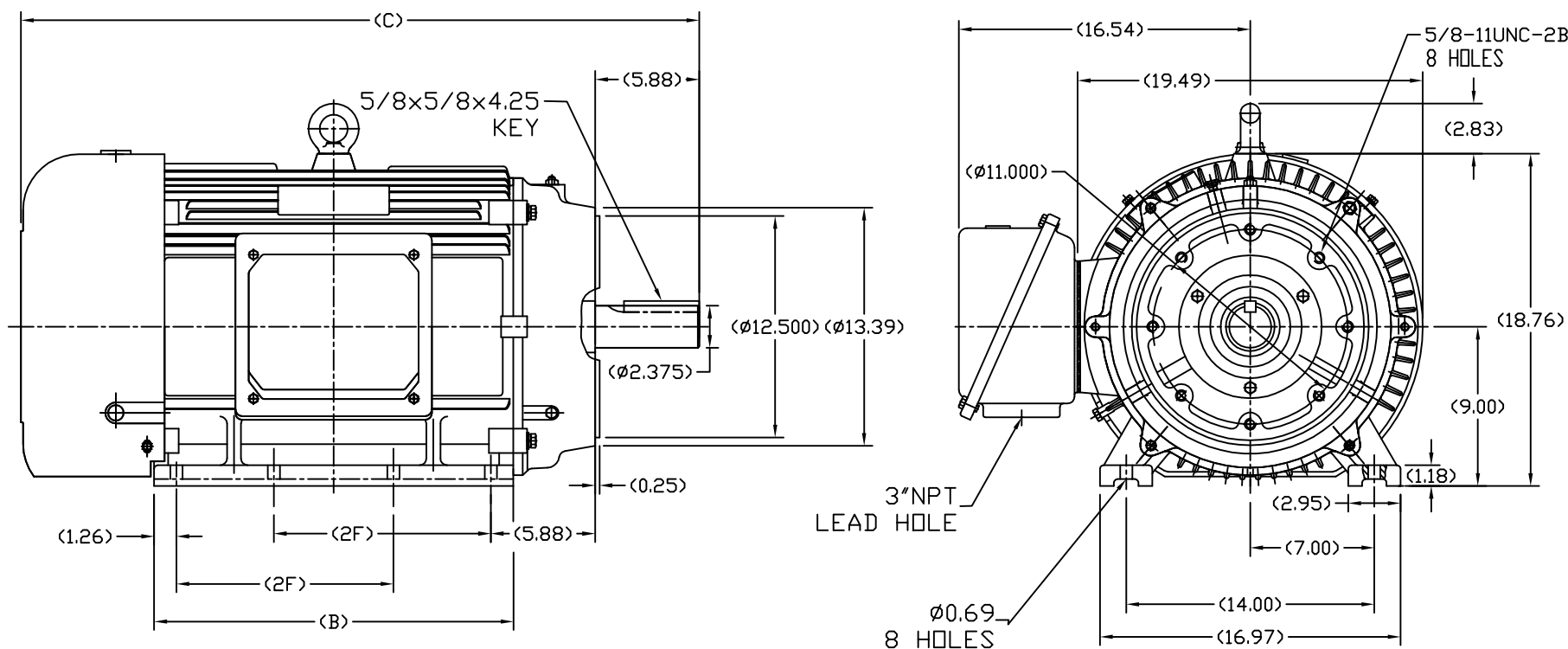
Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190/380 V
Speed	1782 & 1480 rpm	Service Factor	1.15 & 1.0
Frame	365TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	173/86.5 & 166/83 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6313
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	.091 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	38.39 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	A-EE7308	Outline Drawing	SS620305-365TC

SS620305



364TC	36.61	18.50	11.25
365TC	38.39	20.28	12.25
FRAME	C	B	2F

TOLERANCES UNLESS SPECIFIED				REGAL-BELOIT CORPORATION		DRAWN SY 4-21-2010	
DEC.	INCHES			CHK	HZJ	4-21-2010	
.X	±.1			APPD	CL	4-21-2010	
.XX	±.03			SCALE	1=6		
.XXX	±.005			REF			
.XXXX	±.0005			FHF	HWADA		
ND.	REVISION	BY & DATE	CHK	ANG	±1/2	FINISH	PREV
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				DIST			DRAWING NO.
							B
							SS620305
							REV.



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		DRAWN RM	11/20/1990
					DEC.	INCHES		
5	CHG TO REGAL LOGO	SL 09/10/2015	AB				CHK	ML 11/21/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD	SAS 04/24/2003
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
					±7'30"		PREV	
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				DIST WP			A	EE7308 5

CERTIFICATION DATA SHEET

Model#: 365TTFCA6038 AA
 CONN. DIAGRAM: A-EE7308
 OUTLINE: B-SS620305

WINDING#: CHT36540003 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	1800	1782&1480	365TC	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	173/86.5&166/ 83	ACROSS THE LINE	CONTINUOU S	F7	1.15/1.0	40	3300

FULL LOAD EFF: 95.4&95	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&85	3/4 LOAD PF: 84	1/2 LOAD PF: 78	95	SQ CAGE IND RUN	49 / 24.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
221 LB-FT	1060 / 530	460 LB-FT 208	550 LB-FT 248	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	20.5 LB-FT^2	- LB-FT^2	20 SEC.	2	1100 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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						
6314	6313	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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

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

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DATE: 06/22/2017 12:42:19 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/19/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTFCA6038

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	24.5	32.0	47.5	65.5	86.5	101	110	530	
Torque (ft-lb)	0.00	55.0	110	166	221	254	280	460	
RPM	1800	1795	1792	1788	1782	1,780	1775	0	
Efficiency (%)		93.0	95.0	95.4	95.4	95.0	94.5		
P.F. (%)	4.5	59.0	78.0	84.0	85.0	85.5	85.5	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle					
Speed (RPM)	0	900	1730	1782	1800					
Current (Amps)	530	475	275	86.5	24.5					
Torque (ft-lb)	460	400	550	221	0.00					
— Efficiency (%) — P.F. (%) — Current (Amps) EFFICIENCY (%) P.F. (%) CURRENT (AMPS) LOAD						Information Block				
						HP		75.0		
						Sync. RPM		1800		
						Frame		365		
						Enclosure		TEFC		
						Construction		TFC		
						Voltage		30/460#190/381 V		
						Frequency		60 Hz		
						Design		B		
						LR Code letter		G		
						Service Factor		1.15		
						Temp Rise @ FL		75 ° C		
						Duty		CONT		
						Ambient		40 ° C		
						Elevation		1,000 feet		
						Rotor/Shaft wk²		20.5 Lb-Ft²		
						Ref Wdg		CHT36540003 NONE		
Sound Pressure @ 1M		75 dBA								
VFD Rating		NONE								
Outline Dwg		B-SS620305								
Conn. Diag		A-EE7308								
Additional Specifications:										
0										
0										
EQUIV CKT (OHMS / PHASE)										
R1		R2		X1		X2		Xm		
0.0660		0.0450		0.0420		0.6260		15.9820		

Speed -Torque Curve

