

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TSTFCA6003

Catalog No: GT1242

Globetrotter® General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 365TSC Frame, TEFC



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RegalRexnord

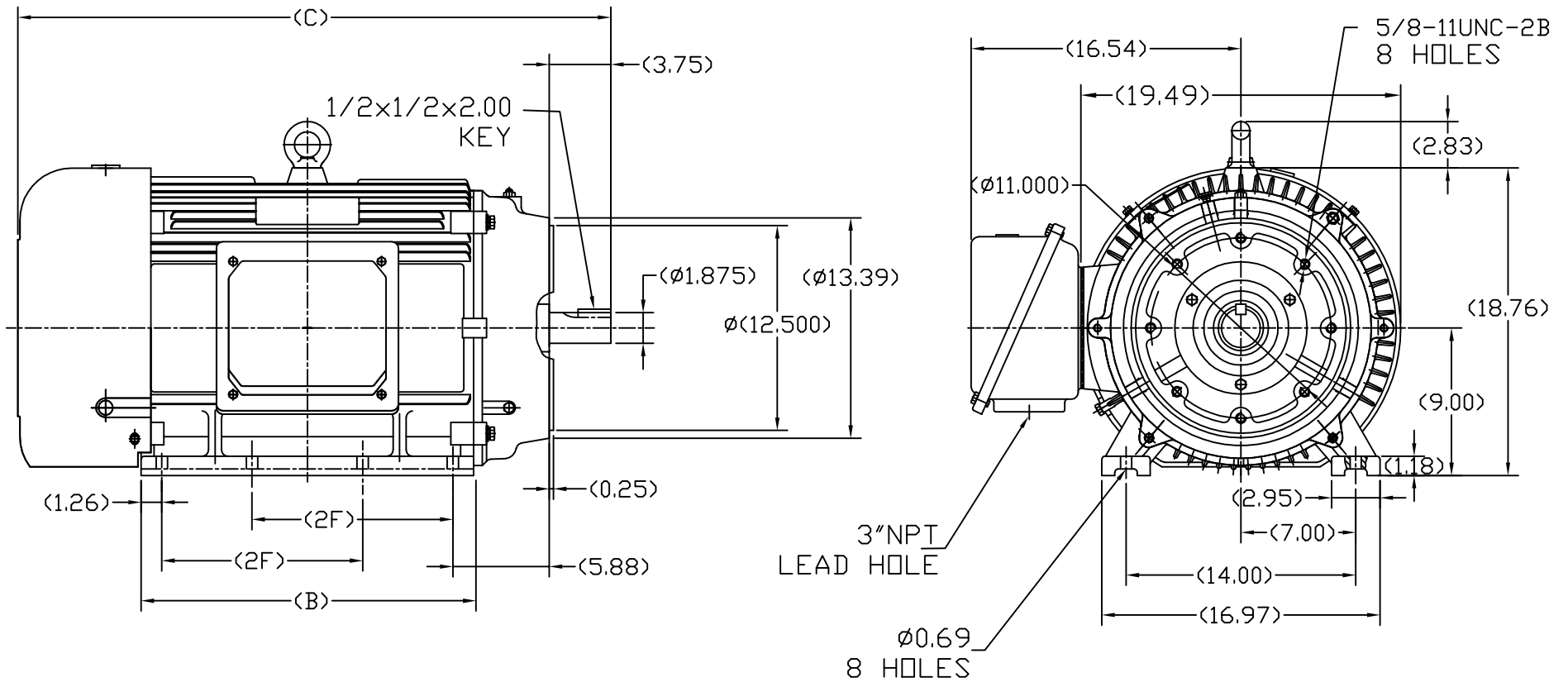
Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190/380 V
Speed	3568 & 2973 rpm	Service Factor	1.15 & 1.0
Frame	365TSC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	169/84.5 & 162/81 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.051 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	36.26 in
Shaft Diameter	1.875 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620303-365TSC	Connection Drawing	A-EE7308AA

SS620303



364TSC	34.48	18.50	11.25
365TSC	36.26	20.28	12.25
FRAME	C	B	2F

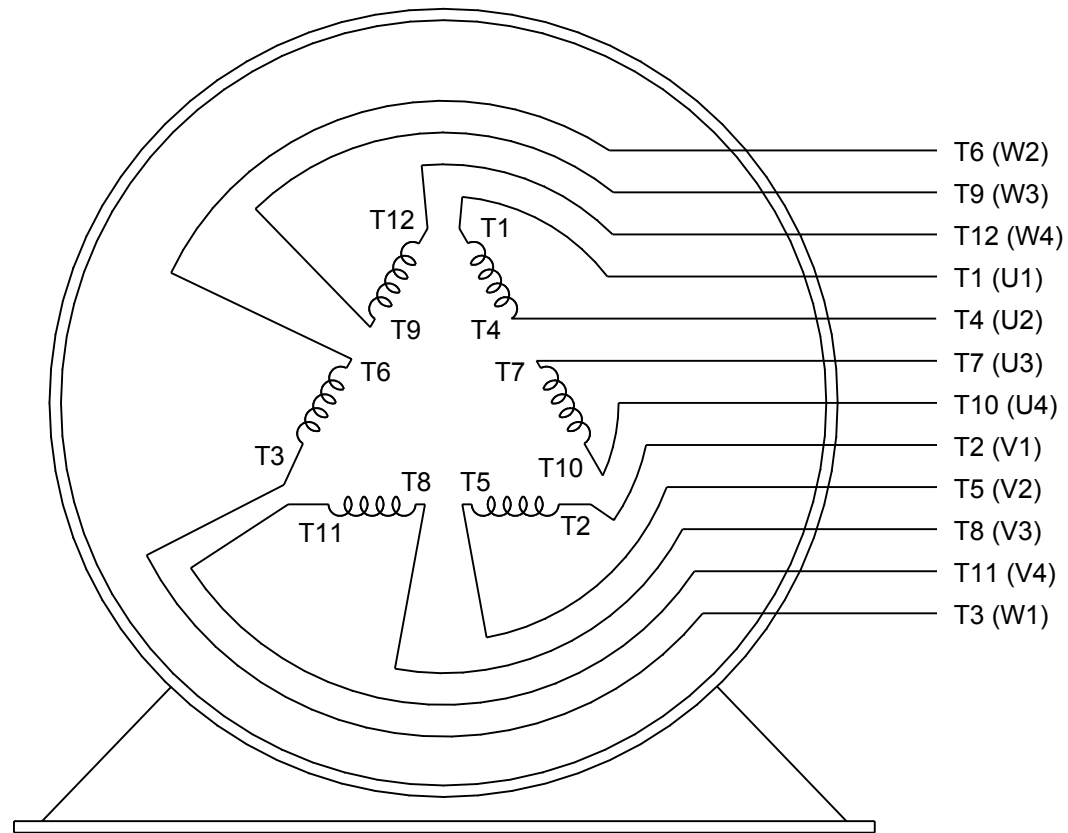
			TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN SY 4-21-2010	
			DEC. INCHES				CHK HZJ 4-21-2010	
			.X ±.1		REGAL-BELOIT CORPORATION REGAL-BELOIT CORPORATION		APPD CL 4-21-2010	
			.XX ±.03				SCALE 1=8	
			.XXX ±.005				REF	
			.XXXX ±.0005		MAT'L		FMF HVADA	
NO. REVISION			BY & DATE		FINISH		PREV	
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					DIST		REV.	



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 365TSTFCA6003 BB
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS620303

WINDING#: CHT36520003 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	3600	3568&2973	365TSC	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	169/84.5&162/ 81	Y START D RUN OR INV	CONTINUOU S	F7	1.15/1.0	40	3300

FULL LOAD EFF: 94.1&93.6	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&86	3/4 LOAD PF: 87.5	1/2 LOAD PF: 81.5	93	SQ CAGE INV RATED	48 / 24

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
110 LB-FT	1186 / 593	190 LB-FT 173	280 LB-FT 255	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	9.5 LB-FT^2	50 LB-FT^2	15 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	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6312						

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: VARIABLE 10:1
 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 12:14:49 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



365TSTFCA6003

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	24.0	31.5	46.5	64.0	82.0	95.0	105	593	
Torque (ft-lb)	0.00	27.4	54.8	82.4	110	127	138	190	
RPM	3600	3598	3591	3583	3575	3,570	3560	0	
Efficiency (%)		89.5	93.0	94.1	94.1	94.1	93.6		
P.F. (%)	7.5	62.5	81.5	87.5	90.0	90.5	90.5	28.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (RPM)	0	1800	3450	3575	3600	HP	75.0			
Current (Amps)	593	495	322	82.0	24.0	Sync. RPM	3600			
Torque (ft-lb)	190	162	280	110	0.00	Frame	365			
— Efficiency (%) — P.F. (%) — Current (Amps) EFFICIENCY (%) P.F. (%) CURRENT (AMPS) LOAD						Enclosure	TEFC			
						Construction	TFC			
						Voltage	30/460#190/381V			
						Frequency	60 Hz			
						Design	A			
						LR Code letter	H			
						Service Factor	1.15			
						Temp Rise @ FL	70 °C			
						Duty	CONT			
						Ambient	40 °C			
						Elevation	1,000 feet			
						Rotor/Shaft wk ²	9.5 Lb-Ft ²			
						Ref Wdg	CHT36520003 NONE			
						Sound Pressure @ 1M	75 dBA			
						VFD Rating	VARIABLE 10:1			
						Outline Dwg	B-SS620303			
						Conn. Diag	A-EE7308AA			
Additional Specifications:										
0										
0										
EQUIV CKT (OHMS / PHASE)										
R1		R2		X1		X2		Xm		
0.0390		0.0280		0.2650		0.3440		10.9270		

Speed -Torque Curve

