

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364TSTD6001

Catalog No: GT0042

Globetrotter® General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 364TS Frame, DP



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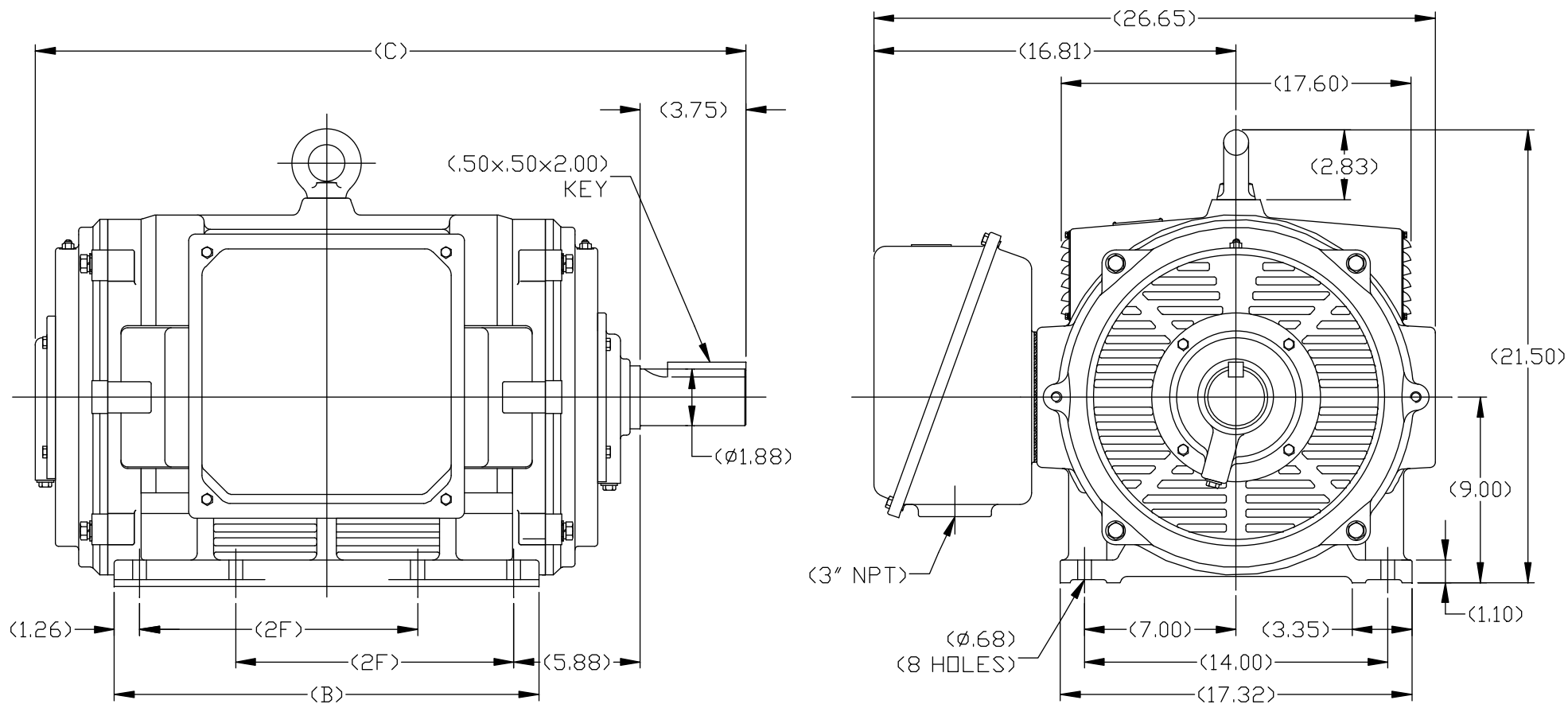
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190/380 V
Speed	3570 & 2970 rpm	Service Factor	1.15 & 1.15
Frame	364TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93.6 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	164/82 & 159/79.5 A	Power Factor	90
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	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.0806 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	29.57 in
Shaft Diameter	1.875 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	A-EE7308AA	Outline Drawing	SS620113-364TS

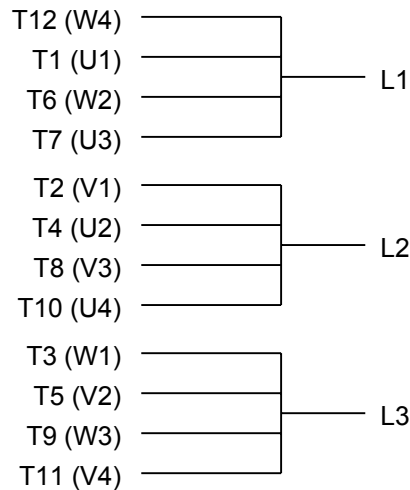


<DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE>

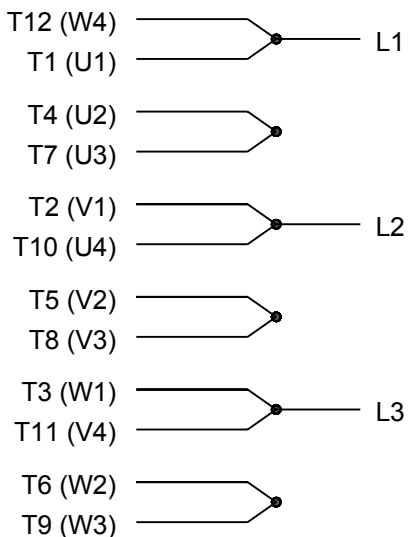
364TSTDCA4026	364TS	29.57	17.32	11.25
365TSTDCA4026	365TS	31.14	18.90	12.25
MODEL	FRAME	C	B	2F

<MAY NOT BE TO SCALE>

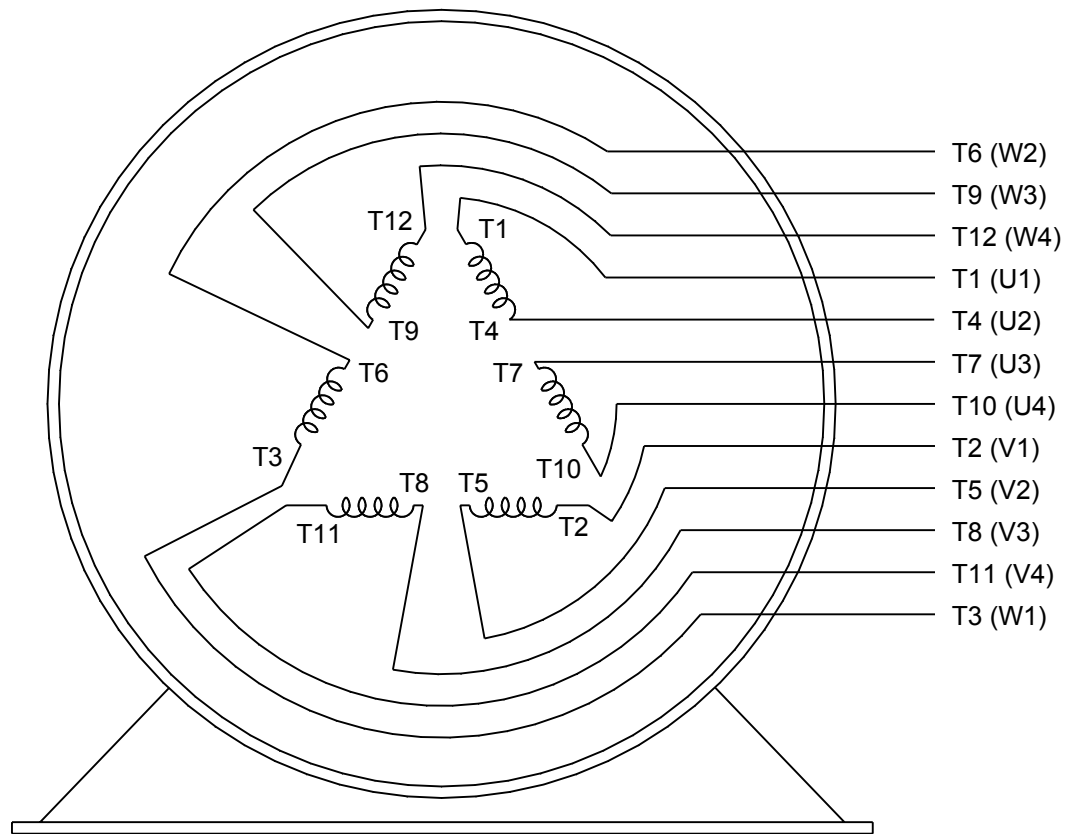
		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN SB 01-14-2008	
		DEC.	INCHES		CHK ML 11-09-2007	
		.X	$\pm .1$	TITLE 364/365TSTDCA4026 - DDP	APPD MSG 11-09-2007	
		.XX	$\pm .03$		SCALE 1=1	
		.XXX	$\pm .005$		REF	
		.XXXX	$\pm .0005$		FMF HUADA	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	CAD FILE	SS620113	SIZE B
			DIST			DRAWING NO. SS620113
						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
DATE 01-12-1994
APPROVED BY GK
DATE 01-14-1994
REFERENCE
THIRD ANGLE PROJECTION



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#: 364TSTD6001 AA
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS620113

WINDING#: CHT36420002 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	3570&2970	364TS	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	164/82&159/7 9.5	PWS & YDRUN OR INV	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 93.6&93	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&89	3/4 LOAD PF: 88	1/2 LOAD PF: 84	93	SQ CAGE INV RATED	39 / 19.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
110 LB-FT	1084 / 542	205 LB-FT 185	275 LB-FT 250	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	8 LB-FT^2	- LB-FT^2	15 SEC.	2	800 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	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

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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

DATE: 06/21/2017 07:38:20 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



364TSTD6001

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	19.5	28.0	44.5	63.0	83.0	95.0	105	542	
Torque (ft-lb)	0.00	27.5	55.0	82.5	110	127	138	205	
RPM	3600	3595	3588	3580	3570	3,565	3562	0	
Efficiency (%)		90.2	93.6	93.6	93.6	93.6	93.0		
P.F. (%)	8.0	69.0	84.0	88.0	90.0	90.0	90.0	32.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																																									
Speed (RPM)	0	1800	3450	3570	3600																																									
Current (Amps)	542	500	325	83.0	19.5																																									
Torque (ft-lb)	205	175	275	110	0.00																																									
Efficiency (%) P.F. (%) Current (Amps) <table><thead><tr><th>LOAD</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>0%</td><td></td><td></td><td>20</td></tr><tr><td>20%</td><td></td><td></td><td>25</td></tr><tr><td>40%</td><td></td><td></td><td>35</td></tr><tr><td>60%</td><td></td><td></td><td>50</td></tr><tr><td>80%</td><td></td><td></td><td>70</td></tr><tr><td>100%</td><td></td><td></td><td>90</td></tr><tr><td>120%</td><td></td><td></td><td>110</td></tr><tr><td>140%</td><td></td><td></td><td>130</td></tr></tbody></table>						LOAD	Efficiency (%)	P.F. (%)	Current (Amps)	0%			20	20%			25	40%			35	60%			50	80%			70	100%			90	120%			110	140%			130	Information Block				
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						HP		75.0																																						
						Sync. RPM		3600																																						
						Frame		364																																						
						Enclosure		DP																																						
						Construction		TDC																																						
						Voltage		30/460#190/381V																																						
						Frequency		60 Hz																																						
Design		A																																												
LR Code letter		G																																												
Service Factor		1.15																																												
Temp Rise @ FL		30 ° C																																												
Duty		CONT																																												
Ambient		40 ° C																																												
Elevation		1,000 feet																																												
Rotor/Shaft wk²		8.0 Lb-Ft²																																												
Ref Wdg		CHT36420002 NONE																																												
Sound Pressure @ 1M		75 dBA																																												
VFD Rating		VARIABLE 10:1																																												
Outline Dwg		B-SS620113																																												
Conn. Diag		A-EE7308AA																																												
Additional Specifications:																																														
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EQUIV CKT (OHMS / PHASE)																																														
R1		R2		X1		X2		Xm																																						
0.0550		0.0280		0.3150		0.3670		14.1370																																						

Speed -Torque Curve

