

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDB6001

Catalog No: GT0021

Globetrotter® General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 215T Frame, DP



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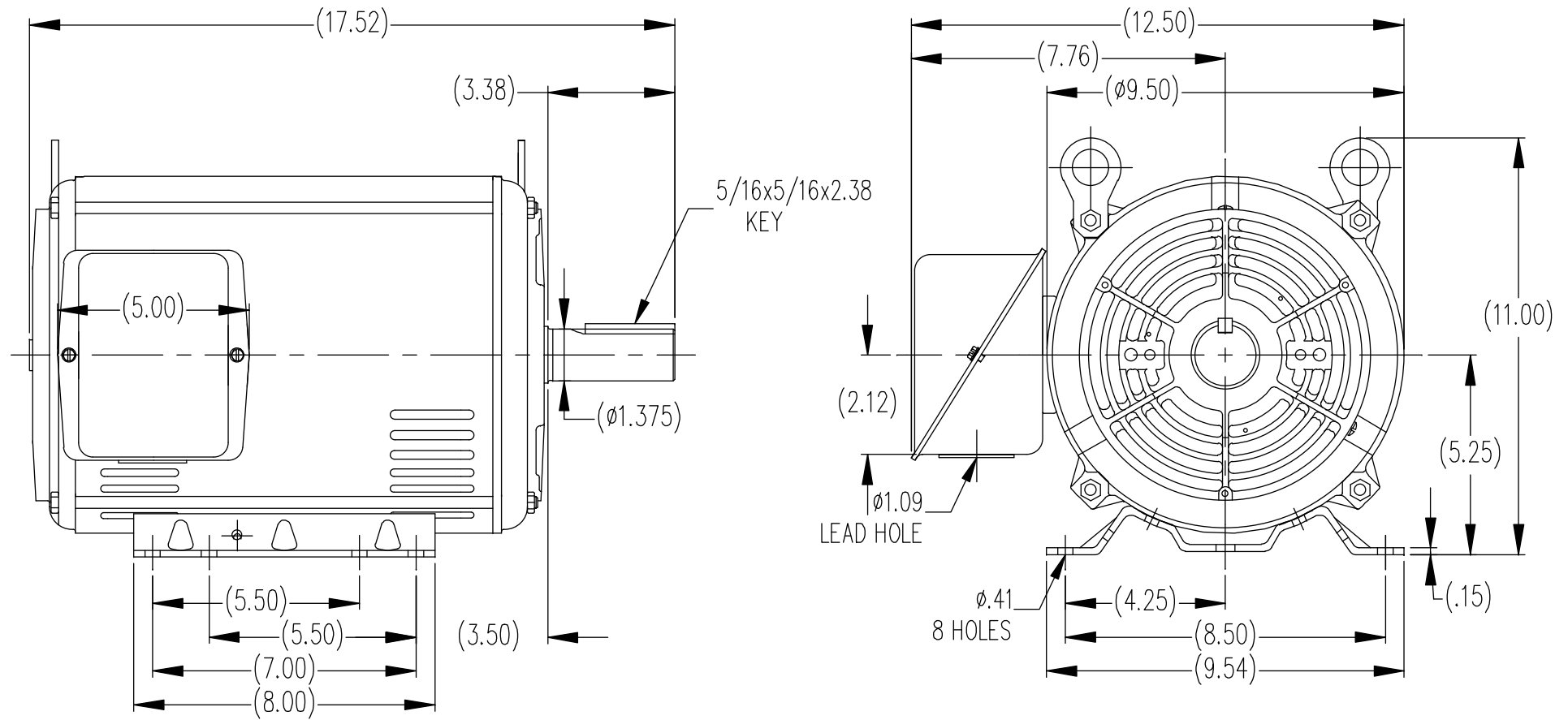
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3525 & 2940 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	90.2 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	34/17 & 28/14 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.56 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.52 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	SS620293-215T	Connection Drawing	A-EE7308



(MAY NOT BE DRAWN TO SCALE)

			TOLERANCES UNLESS SPECIFIED		<div>REGAL</div> <div>REGAL-BELOIT CORPORATION</div>	DRAWN MSG 05-18-010	
			DEC.	INCHES		CHK	SB 05-18-2010
			.X	±.1		APPD	MJS 05-18-2010
			.XX	±.03		SCALE	1=1
			.XXX	±.005		REF	
			.XXXX	±.0005		FMF	HUADA
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
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NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	DRAWING NO.	PAGE	OF	REV.
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES					
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1					
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02					
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005					
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005					
					±7'30"					
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						DIST WP				



Regal Beloit America, Inc.

DRAWN RM 11/20/1990

CHK ML 11/21/1990

APPD SAS 04/24/2003

SCALE 1=1

REF

FMF

PREV

TITLE CONNECTION DIAGRAM
3Ø - DUAL VOLTAGE MOTOR

MAT'L.

CERTIFICATION DATA SHEET

Model#: 215TTDB6001 AA

WINDING#: CHT21520008 R1 1

CONN. DIAGRAM: A-EE7308

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS620293

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.5	3600	3525&2940	215T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	34/17&28/14	ACROSS THE LINE	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 90.2&90.2	3/4 LOAD EFF: 90.2	1/2 LOAD EFF: 89.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&89	3/4 LOAD PF: 85.5	1/2 LOAD PF: 77	91	SQ CAGE IND RUN	13.8 / 6.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	232 / 116	36 LB-FT 161	55 LB-FT 247	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	- LB-FT^2	18 LB-FT^2	10 SEC.	2	- LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP 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						
6307	6206	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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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FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

215TTDB6001



Submittal

Data @ 460 V

Motor Load Data

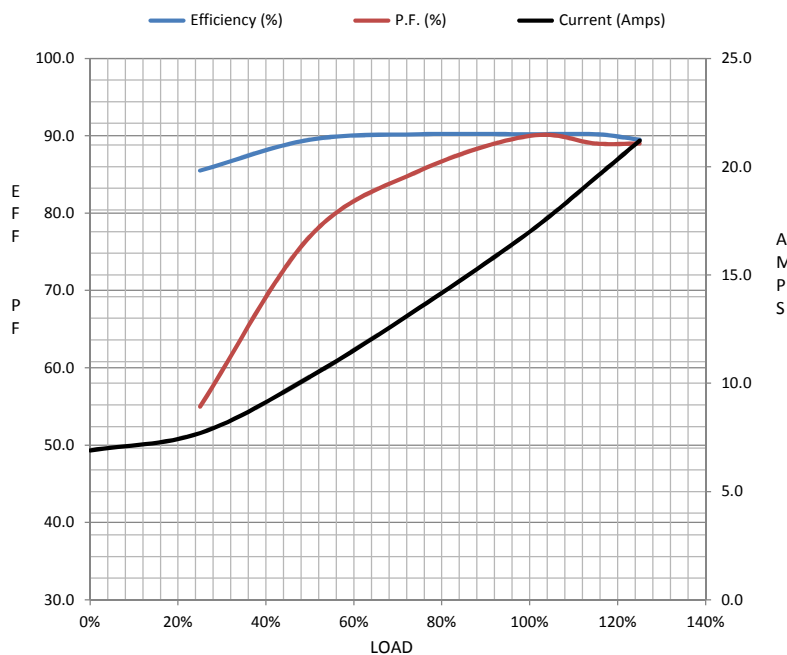
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.9	7.7	10.3	13.5	17.0	19.5	21.2	116	
Torque (ft-lb)	0.00	5.5	11.0	16.7	22.3	25.8	28.2	36.0	
RPM	3600	3582	3565	3540	3525	3505	3485	0	
Efficiency (%)		85.5	89.5	90.2	90.2	90.2	89.5		
P.F. (%)	7.5	55.0	77.0	85.5	90.0	89.0	89.0	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2945	3525	3600
Current (Amps)	116	106	80.0	17.0	6.9
Torque (ft-lb)	36.0	32.5	55.0	22.3	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	DP			
Construction	TDB			
Voltage	230/460#190/38(V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	CHT21520008 R1			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS620293			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.3780	0.3020	0.9640	0.7560	40.2570



Speed -Torque Curve

