

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDB6012

Catalog No: GT2421

Globetrotter® Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 215JP Frame, DP



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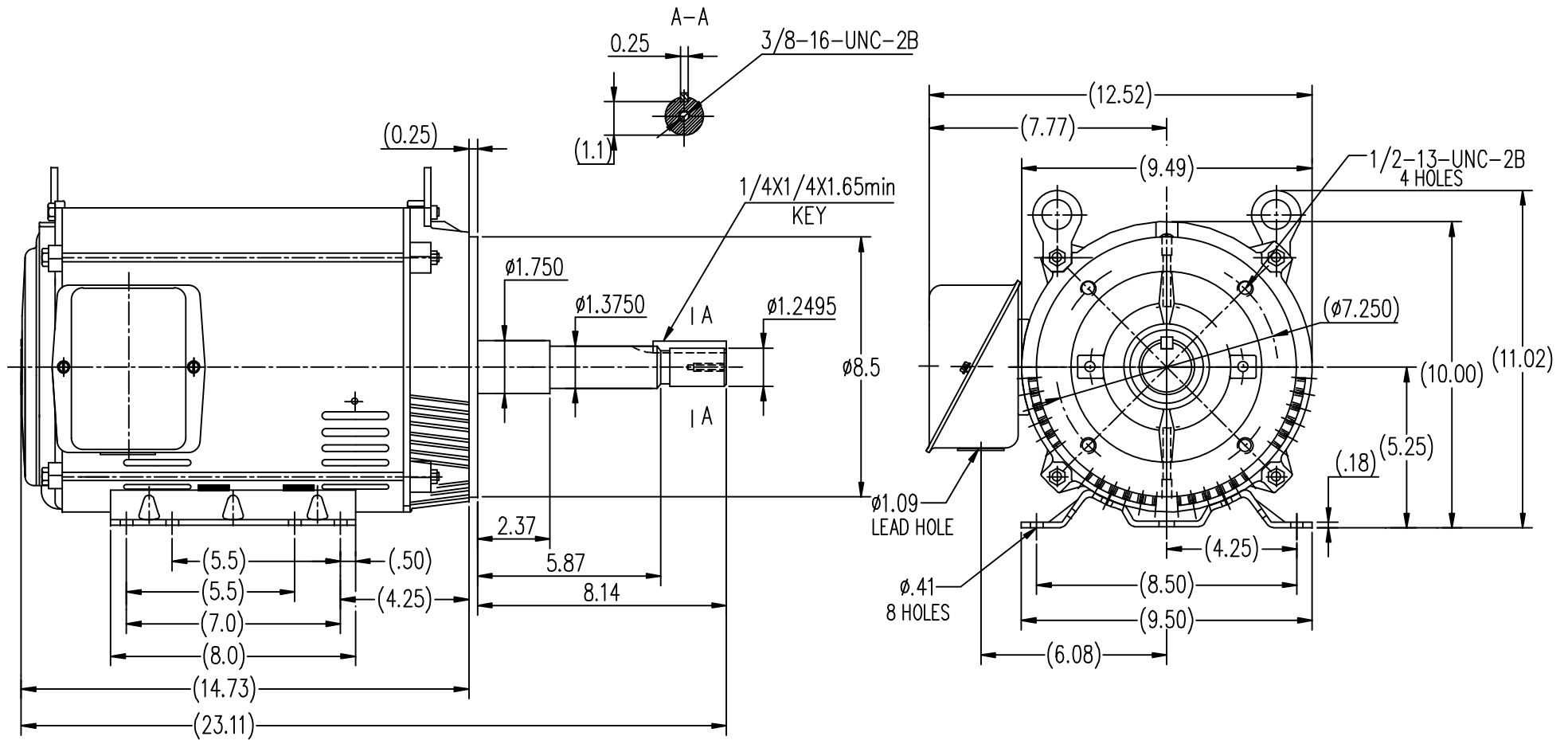
RegalRexnord


Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3490 & 2917 rpm	Service Factor	1.15 & 1.15
Frame	215JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	35/17.5 & 28/14 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6309	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 Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.585 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	23.11 in
Frame Length	11.15 in	Shaft Diameter	1.250 in
Shaft Extension	8.14 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620571	Connection Drawing	EE7308



			TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN Lee 05-16-2012	
			DEC.	INCHES		CHK HPH 05-16-2012	
			.X	±.1		APPD JGX 05-16-2012	
			.XX	±.03		SCALE 1=5	
			.XXX	±.005		REF	
			.XXXX	±.0005		FMF HWADA	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	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	ANG	±1/2	FINISH	
			DIST				
			CAD FILE	SS620571	SIZE	DRAWING NO.	REV.
					B	SS620571	



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		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	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	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 ee7308		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST WP				A	EE7308			5

CERTIFICATION DATA SHEET

Model#: 215TTDB6012 AA

WINDING#: CHT21520006 NONE 1

CONN. DIAGRAM: EE7308

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620571

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.50	3600	3490&2917	215JP	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	35/17.5&28/14	LINE OR INVERTER	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 91&89.5	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&86	3/4 LOAD PF: 86	1/2 LOAD PF: 79	89.5	SQ CAGE INV RATED	10.4 / 5.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.6 LB-FT	199 / 99.5	41 LB-FT 182	57.5 LB-FT 256	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.36 LB-FT^2	18 LB-FT^2	10 SEC.	2	125 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	PROVISIONS ONLY	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6309	6206	POLYREX EM	JP	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: 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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FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



215TTDB6012

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.2	6.6	9.5	13.2	17.5	20.2	22.0	99.5	
Torque (ft-lb)	0.00	5.5	11.1	16.8	22.6	26.0	28.6	41.0	
RPM	3600	3575	3550	3520	3490	3,475	3455	0	
Efficiency (%)		90.2	91.0	91.7	91.0	90.2	89.5		
P.F. (%)	5.5	60.0	79.0	86.0	88.0	89.0	89.0	43.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																										
Speed (RPM)	0	1800	3000	3490	3600																										
Current (Amps)	99.5	90.0	67.5	17.5	5.2																										
Torque (ft-lb)	41.0	37.0	57.5	22.6	0.00																										
<div><div>— Efficiency (%)</div><div>— P.F. (%)</div><div>— Current (Amps)</div></div> <table><caption>Graph Data Points (Estimated)</caption><thead><tr><th>Load (%)</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>25</td><td>90.0</td><td>60.0</td><td>5.2</td></tr><tr><td>50</td><td>91.0</td><td>80.0</td><td>10.0</td></tr><tr><td>75</td><td>92.0</td><td>86.0</td><td>15.0</td></tr><tr><td>100</td><td>91.0</td><td>88.0</td><td>20.0</td></tr><tr><td>125</td><td>89.0</td><td>89.0</td><td>22.6</td></tr></tbody></table>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	25	90.0	60.0	5.2	50	91.0	80.0	10.0	75	92.0	86.0	15.0	100	91.0	88.0	20.0	125	89.0	89.0	22.6	Information Block	
						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)																						
						25	90.0	60.0	5.2																						
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						125	89.0	89.0	22.6																						
						HP		15.0																							
						Sync. RPM		3600																							
						Frame		215																							
						Enclosure		DP																							
						Construction		TDB																							
						Voltage		230/460#190/381V																							
						Frequency		60 Hz																							
						Design		B																							
						LR Code letter		F																							
						Service Factor		1.15																							
Temp Rise @ FL		55 °C																													
Duty		CONT																													
Ambient		40 °C																													
Elevation		1,000 feet																													
Rotor/Shaft wk²		0.36 Lb-Ft²																													
Ref Wdg		CHT21520006 NONE																													
Sound Pressure @ 1M		60 dBA																													
VFD Rating		VARIABLE 10:1																													
Outline Dwg		SS620571																													
Conn. Diag		EE7308																													
Additional Specifications:																															
0																															
0																															
EQUIV CKT (OHMS / PHASE)																															
R1	R2	X1	X2	Xm																											
0.3780	0.3400	1.3420	1.3230	58.5520																											

Speed -Torque Curve

