

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDB6013

Catalog No: GT2521

15 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 215JP Frame, ODP
Close-Coupled Pump Motors



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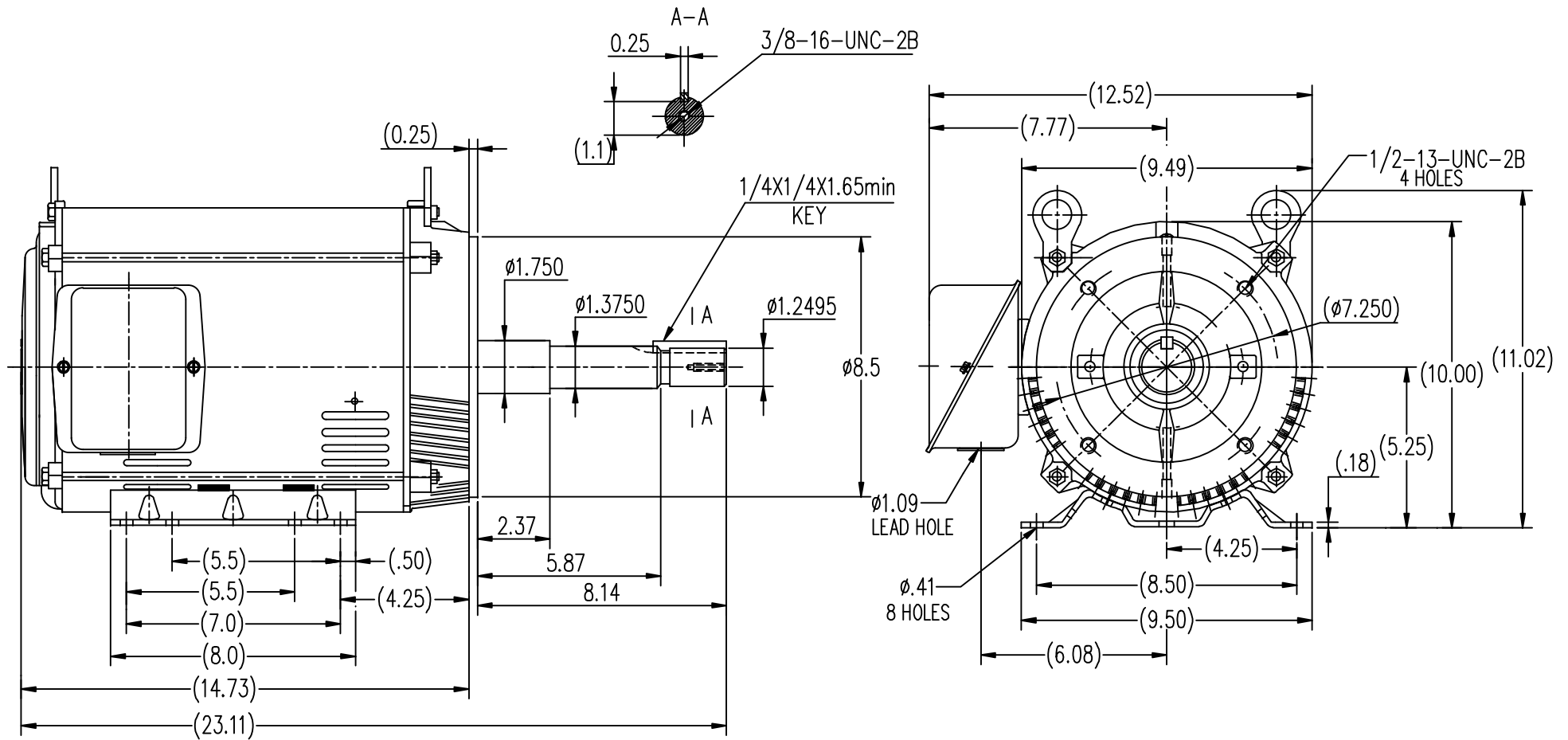
RegalRexnord


Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	13.6 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	90.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	215JP	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
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	.6298 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
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7300	Outline Drawing	SS620571

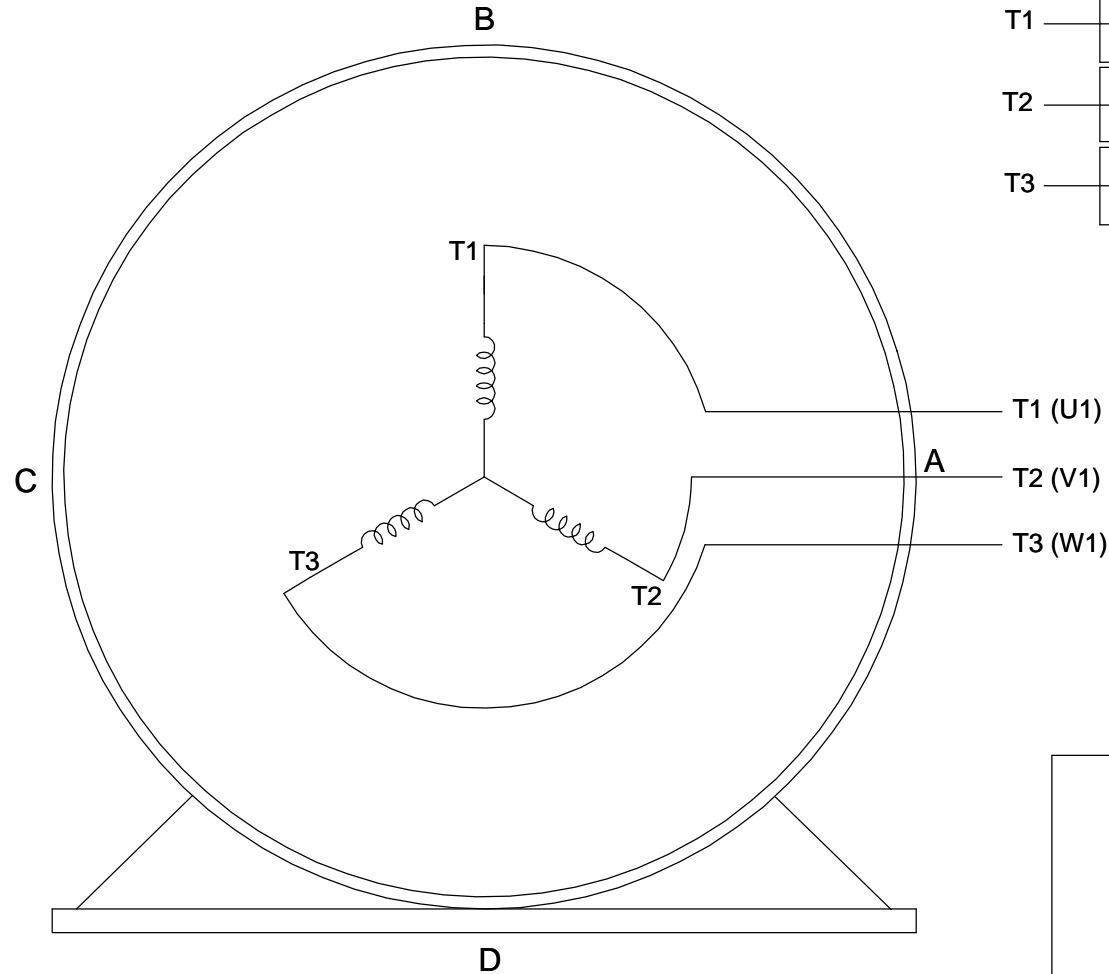
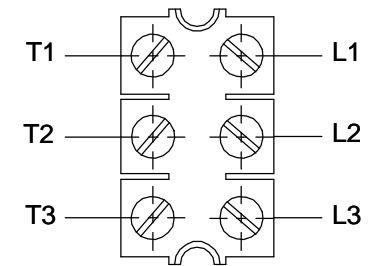


			TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN Lee 05-16-2012	
			DEC.	INCHES		CHK HPH 05-16-2012	
			.X	±.1		APPD JGX 05-16-2012	
			.XX	±.03		SCALE 1=5	
			.XXX	±.005	TITLE ODP-213/215JP FR-ROLLED STEEL	REF	
			.XXXX	±.0005		FMF HWADA	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
THIS 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 SS620571	SIZE B	DRAWING NO. SS620571
			DIST				REV.

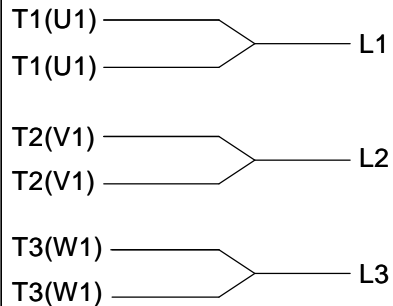
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED

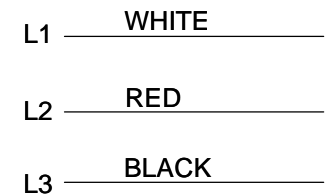


IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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CERTIFICATION DATA SHEET

Model#: 215TTDB6013 AA
 CONN. DIAGRAM: EE7300
 OUTLINE: SS620571

WINDING#: CHT21520004 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15	11.2	3600	3525	215JP	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	13.6	LINE OR INVERTER	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 91	1/2 LOAD EFF: 89.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90.5	3/4 LOAD PF: 88	1/2 LOAD PF: 82.5	89.5	SQ CAGE INV RATED	3.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.4 LB-FT	89.2	42.5 LB-FT 189	63 LB-FT 281	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.42 LB-FT^2	18 LB-FT^2	10 SEC.	2	140 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						
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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DATE: 06/22/2017 07:14:46 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 15-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

215TTDB6013



Submittal

Data @ 575 V

Motor Load Data

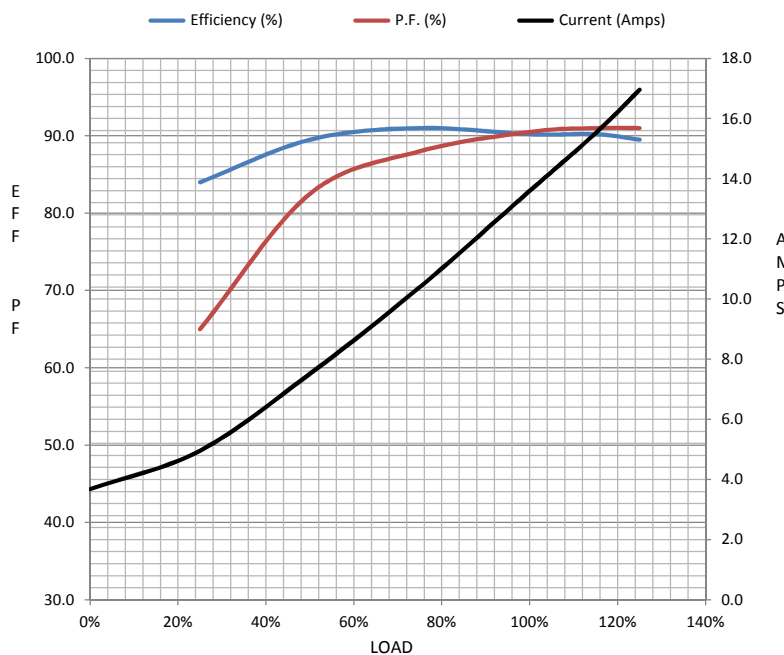
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.7	5.0	7.5	10.4	13.6	15.5	17.0	89.2	
Torque (ft-lb)	0.00	5.5	11.0	16.7	22.4	25.8	28.1	42.5	
RPM	3600	3580	3563	3545	3525	3510	3500	0	
Efficiency (%)		84.0	89.5	91.0	90.2	90.2	89.5		
P.F. (%)	11.0	65.0	82.5	88.0	90.5	91.0	91.0	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3105	3525	3600
Current (Amps)	89.2	80.0	56.4	13.6	3.7
Torque (ft-lb)	42.5	38.0	63.0	22.4	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	DP			
Construction	TDB			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	40 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.42 Lb-Ft²			
Ref Wdg	CHT21520004 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620571			
Conn. Diag	EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5910	0.5320	2.0970	2.0670	91.5470



Speed -Torque Curve

