

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 444TSTDS16003

Catalog No: U252

XRI® General Purpose General Purpose Motor, 200 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V,
3600 & 3000 RPM, 444TS Frame, DP



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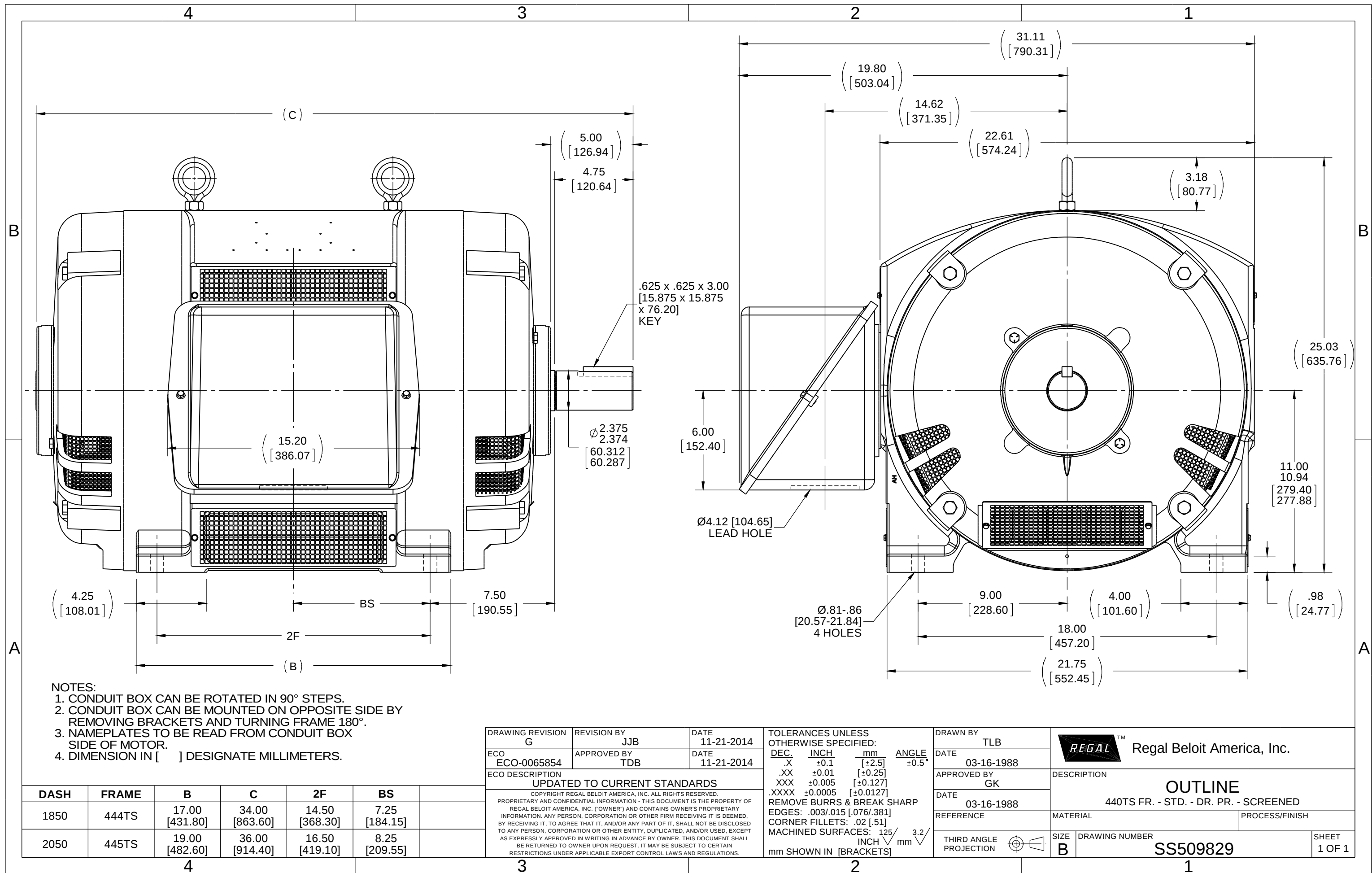
RegalRexnord

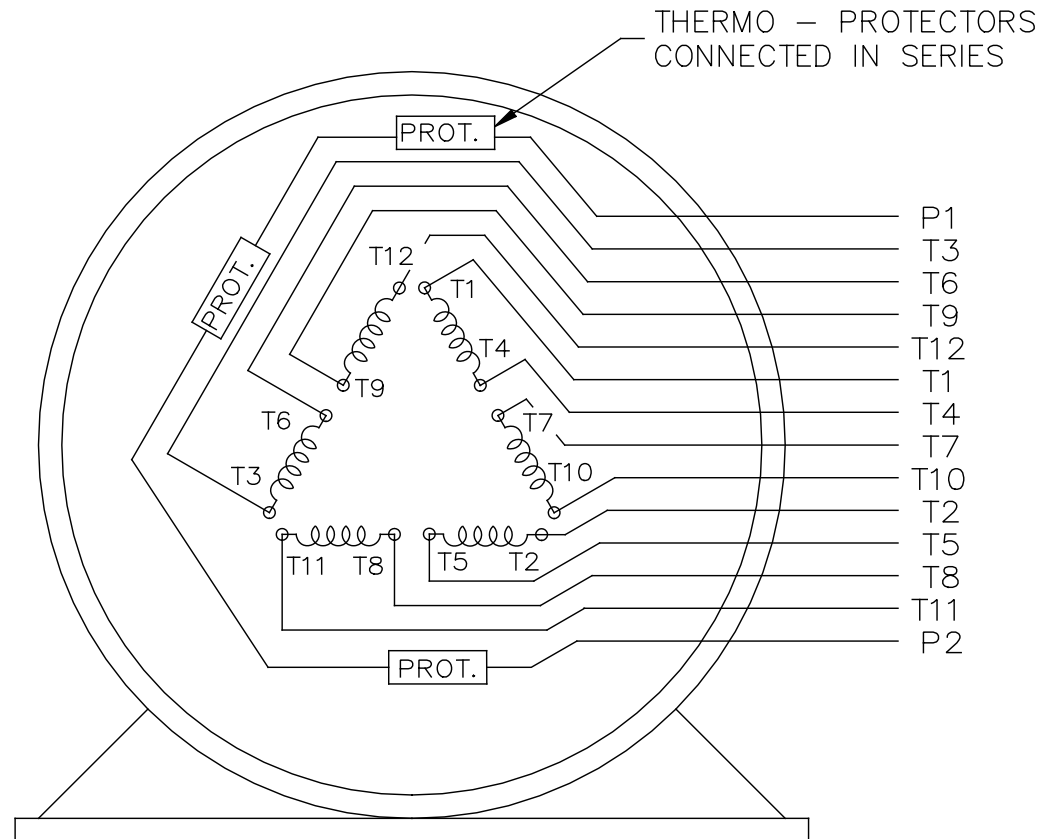
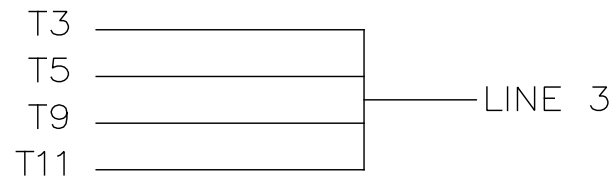
Nameplate Specifications

Phase	3	Output HP	200 & 200 Hp
Output KW	149.0 & 149.0 kW	Voltage	460 & 380 V
Speed	3560 & 2950 rpm	Service Factor	1.15 & 1.0
Frame	444TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	220 & 270 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.0285 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	34.00 in
Frame Length	18.50 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS509829-1850	Connection Drawing	A-EE7300CB





VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN KL 02-27-2003			
				DEC.	INCHES		CHK GFH 03-03-2003			
				.X	± -		APPD JES 03-03-2003			
				.XX	± -		TITLE CONNECTION DIAGRAM - EXTERNAL 12 LEAD SINGLE VOLTAGE	SCALE 1=1		
				.XXX	± -			REF		
A	CHANGED TO REGAL TITLEBLOCK ECO-0108299	WGJ 08-18-2016	EMH	.XXXX	± -	MAT'L.	FMF			
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 EE7300CB		SIZE A	DRAWING NO. EE7300CB	PAGE OF	REV.
			DIST							

CERTIFICATION DATA SHEET

Model#: 444TSTD16003 AN
 CONN. DIAGRAM: A-EE7300CB
 OUTLINE: B-SS509829-1850

WINDING#: T444229 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
200&200	149&149	3600	3560&2950	444TS	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#380	220&270	PWS & YDRUN	CONTINUOU S	F1	1.15/1.0	40	3300

FULL LOAD EFF: 95&93.6	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&90	3/4 LOAD PF: 89	1/2 LOAD PF: 85.5	94.5	SQ CAGE IND RUN	45.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
295 LB-FT	1280	338 LB-FT 115	713 LB-FT 242	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
84 dBA	94 dBA	26 LB-FT^2	160 LB-FT^2	15 SEC.	2	1150 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						
6313	6313	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	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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DATE: 06/21/2017 03:58:16 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/20/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



444TSTD16003

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	45.5	71.5	116	166	220	254	279	1,280	
Torque (ft-lb)	0.00	73.0	147	221	295	340	370	338	
RPM	3600	3592	3582	3570	3560	3,555	3545	0	
Efficiency (%)		92.4	94.5	95.0	95.0	94.5	93.6		
P.F. (%)	8.0	70.5	85.5	89.0	90.0	89.5	89.5	28.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block																																
Speed (RPM)	0	1800	3385	3560	3600	HP	200.0																															
Current (Amps)	1,280	1,200	785	220	45.5	Sync. RPM	3600																															
Torque (ft-lb)	338	305	713	295	0.00	Frame	444																															
Efficiency (%) P.F. (%) Current (Amps) <table><caption>Graph Data</caption><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>40</td></tr><tr><td>25</td><td>92</td><td>70</td><td>60</td></tr><tr><td>50</td><td>94</td><td>85</td><td>100</td></tr><tr><td>75</td><td>95</td><td>89</td><td>150</td></tr><tr><td>100</td><td>95</td><td>90</td><td>200</td></tr><tr><td>125</td><td>94</td><td>89</td><td>260</td></tr></tbody></table>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	0			40	25	92	70	60	50	94	85	100	75	95	89	150	100	95	90	200	125	94	89	260	Enclosure	DP			
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						100	95	90	200																													
						125	94	89	260																													
						Construction	TDS																															
						Voltage	460#380 V																															
						Frequency	60 Hz																															
						Design	B																															
						LR Code letter	F																															
						Service Factor	1.15																															
						Temp Rise @ FL	30 ° C																															
						Duty	CONT																															
						Ambient	40 ° C																															
Elevation	1,000 feet																																					
Rotor/Shaft wk ²	26.0 Lb-Ft ²																																					
Ref Wdg	T444229 NONE																																					
Sound Pressure @ 1M	84 dBA																																					
VFD Rating	NONE																																					
Outline Dwg	B-SS509829-1850																																					
Conn. Diag	A-EE7300CB																																					
Additional Specifications:																																						
0																																						
0																																						
EQUIV CKT (OHMS / PHASE)																																						
R1	R2	X1	X2	Xm																																		
0.0180	0.0140	0.1480	0.1180	5.8350																																		

Speed -Torque Curve

