

PRODUCT INFORMATION PACKET



Model No: 254TTFPA8102

Catalog No: L412

Other Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 900 & 750 RPM, 254T Frame,
TEFC

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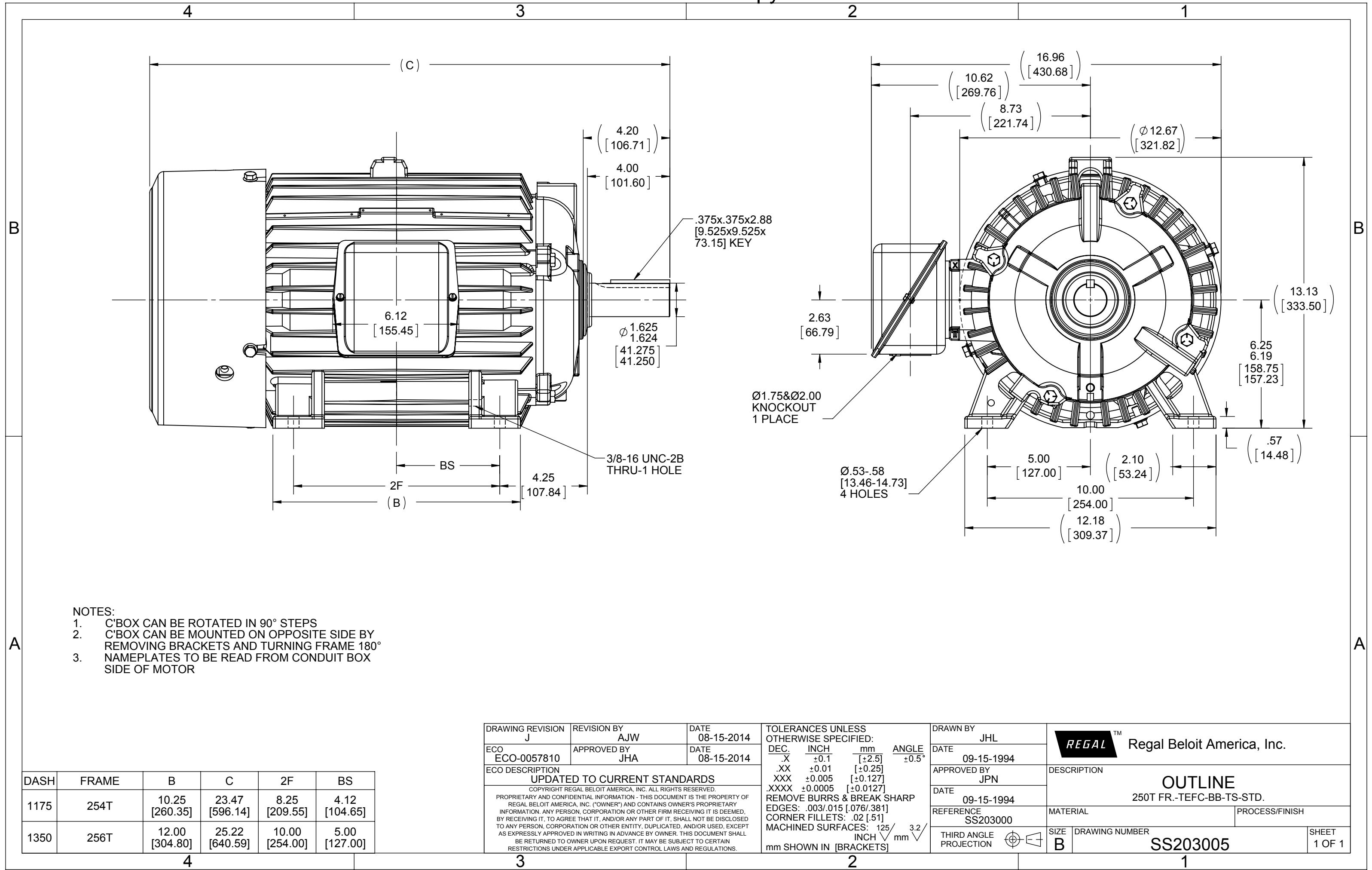


Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	865 & 725 rpm	Service Factor	1.15 & 1.15
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	84 & 82.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	17/8.5 & 14/7 A	Power Factor	65.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	2.3 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	23.47 in
Frame Length	11.75 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS203005-1175	Connection Drawing	A-EE7308



- NOTES:
- 1. C'BOX CAN BE ROTATED IN 90° STEPS
 - 2. C'BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
 - 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FRAME	B	C	2F	BS
1175	254T	10.25 [260.35]	23.47 [596.14]	8.25 [209.55]	4.12 [104.65]
1350	256T	12.00 [304.80]	25.22 [640.59]	10.00 [254.00]	5.00 [127.00]

DRAWING REVISION J	REVISION BY AJW	DATE 08-15-2014
ECO ECO-0057810	APPROVED BY JHA	DATE 08-15-2014
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.01	[±0.25]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [0.076/.381]		
CORNER FILLETS: .02 [51]		
MACHINED SURFACES: 125 3.2		
mm SHOWN IN [BRACKETS]		

DRAWN BY JHL	DATE 09-15-1994
APPROVED BY JPN	DATE 09-15-1994
REFERENCE SS203000	THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.		
DESCRIPTION 250T FR.-TEFC-BB-TS-STD.		
MATERIAL		PROCESS/FINISH
SIZE B	DRAWING NUMBER SS203005	SHEET 1 OF 1



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		DRAWN RM	ML	OF	REV.
					DEC.	INCHES				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB				 Regal Beloit America, Inc.			
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"		FINISH			
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