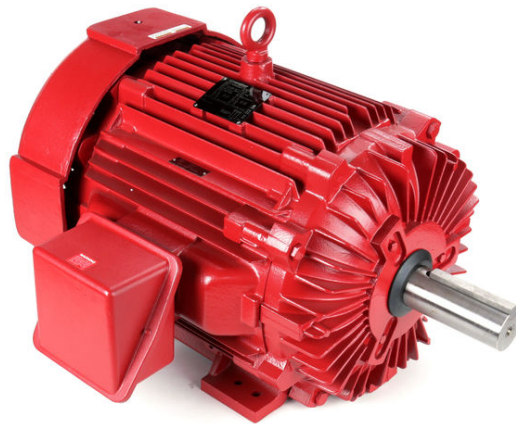


PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 254TTFPA14014
Catalog No: Y1608
15,3600,TEFC,254T,3/60/230/460YD
Fire Pump



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REGAL[®]

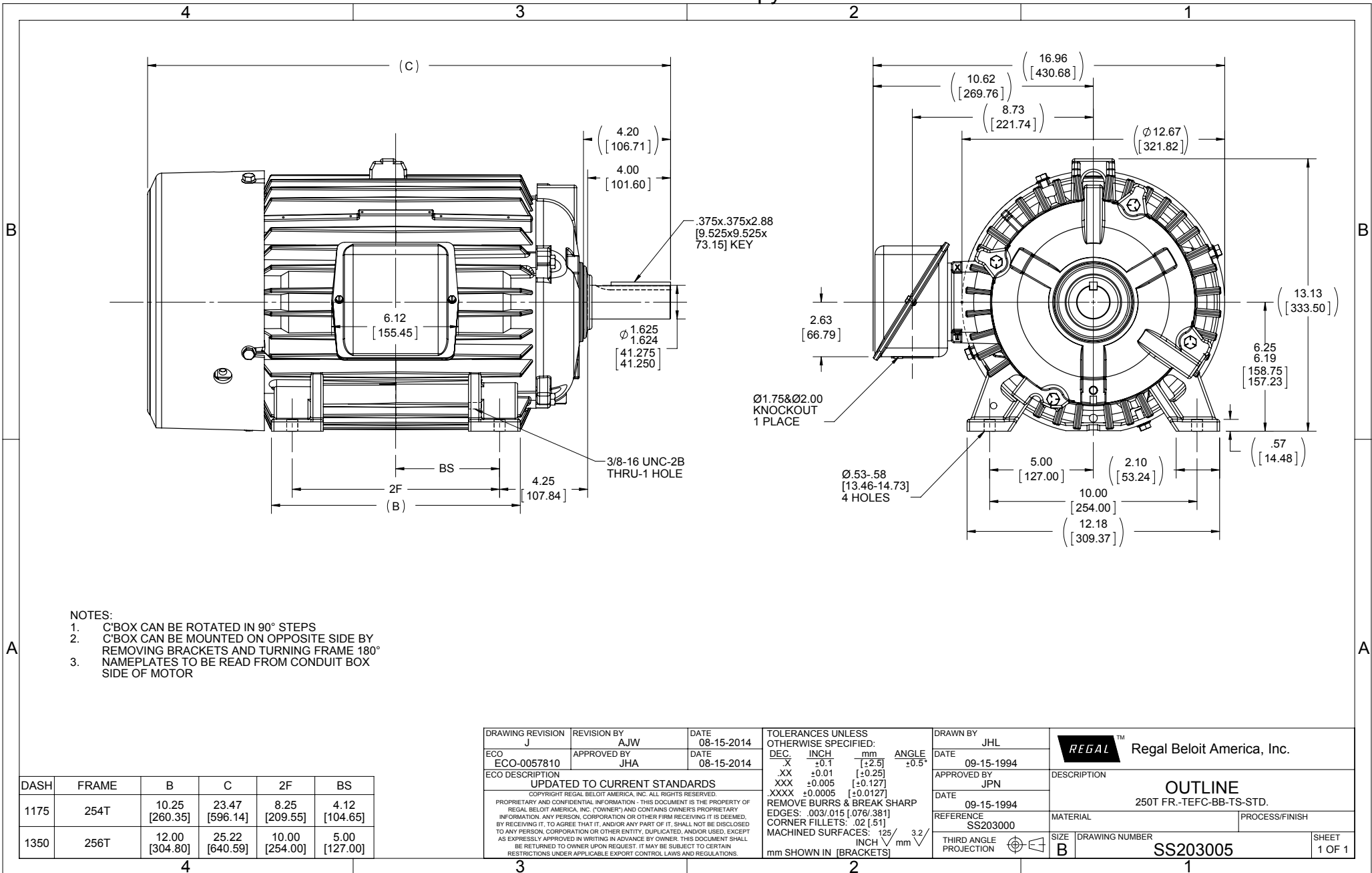


Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	35.0/17.5 A	Speed	3520 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	254T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6207	UL	No
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	2	Rotation	Reversible
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	4.20 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS203005-1175	Connection Diagram	A-EE7308AA



- 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
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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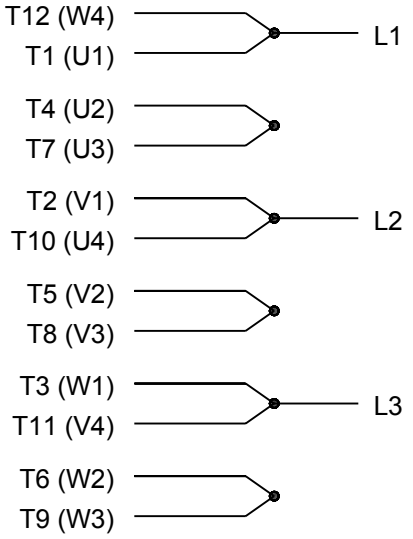
TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.01	[±0.25]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [076/381]		
CORNER FILLETS: .02 [51]		
MACHINED SURFACES: 125/3.2		
mm SHOWN IN [BRACKETS]		

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

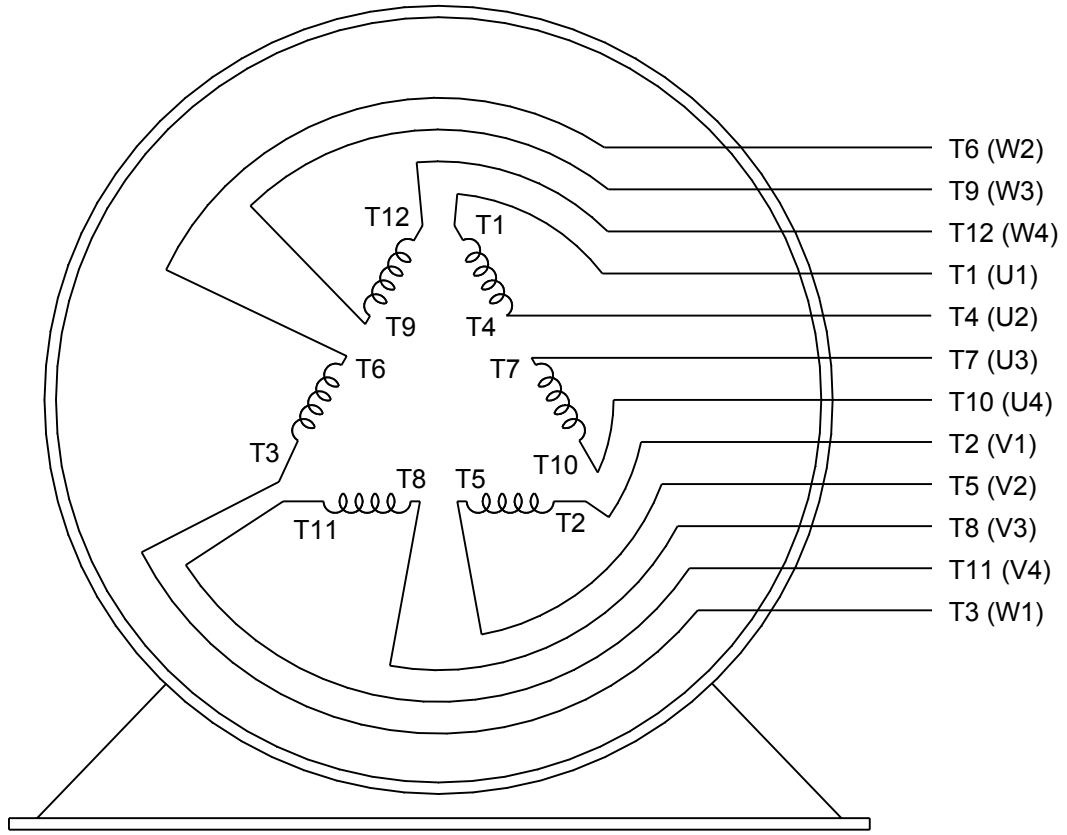
REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 250T FR.-TEFC-BB-TS-STD.	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS203005
SHEET 1 OF 1	



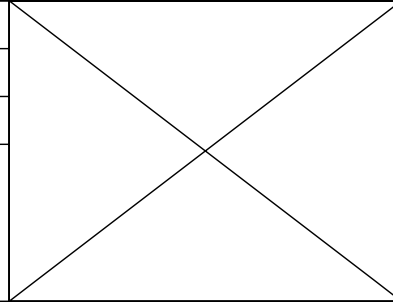
LOW VOLTAGE



HIGH VOLTAGE



DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	Regal Beloit America, Inc.		
DATE 01-12-1994			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
DATE 01-14-1994			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

Data Sheet

Date: 9/17/2018

2541TFPA14014

Customer: _____
 Attention: _____



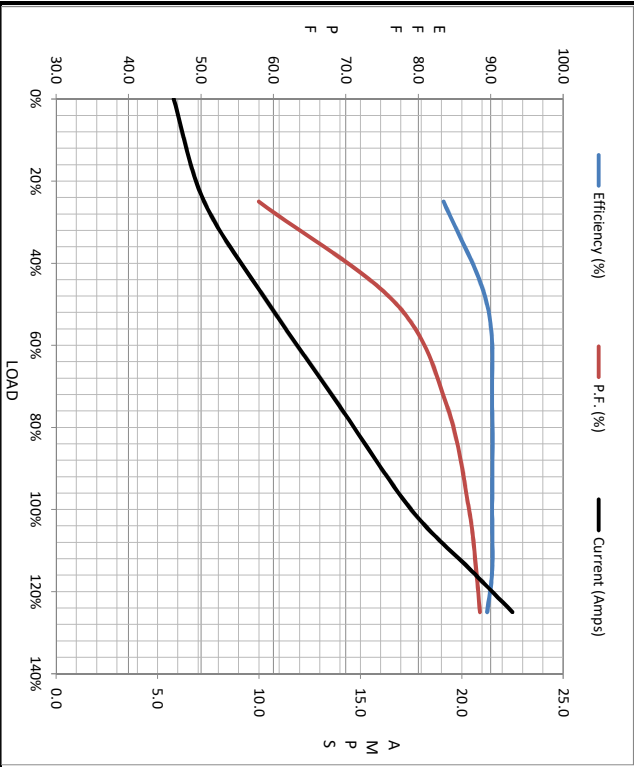
Submital

Submitted by: FAREEDA DUDEKULA

Data @ 460 V

	Motor Load Data									
	0%	25%	50%	75%	100%	115%	125%	LR		
Load										
Current (Amps)	5.8	7.3	10.5	14.0	17.5	20.5	22.5	11.1		
Torque (ft-lb)	0.00	5.5	11.0	16.8	22.5	26.0	28.0	43.0		
RPM	3600	3578	3560	3535	3520	3490	3490	0		
Efficiency (%)		83.5	89.5	90.2	90.2	89.5	89.5			
P.F. (%)	10.5	58.0	77.0	84.0	87.0	88.0	88.5	42.0		

	Motor Speed Data					Information Block																		
	LR	Pull-Up	BD	Rated	Idle	HP	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Motor/Shaft wk ²	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:
Speed (RPM)	0	1800	3170	3520	3600	15.0	2541B2TFC6080	TEFC	TFP	230/460	60	A	G	1.15	55	CONT	40	1,000	0.80	72	NONE	B-SS203005-1175	A-EET308AA	
Current (Amps)	111	100	71.0	17.5	5.8																			
Torque (ft-lb)	43.0	39.0	67.0	22.5	0.00																			



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.4380	0.3290	1.3890	1.2490	45.1710

