

PRODUCT INFORMATION PACKET

Model No: 444TTDS8699

Catalog No: Y212

Other Purpose Motor, 75 HP, 3 Ph, 60 Hz, 460/796 V, 1200 RPM, 444T Frame, DP



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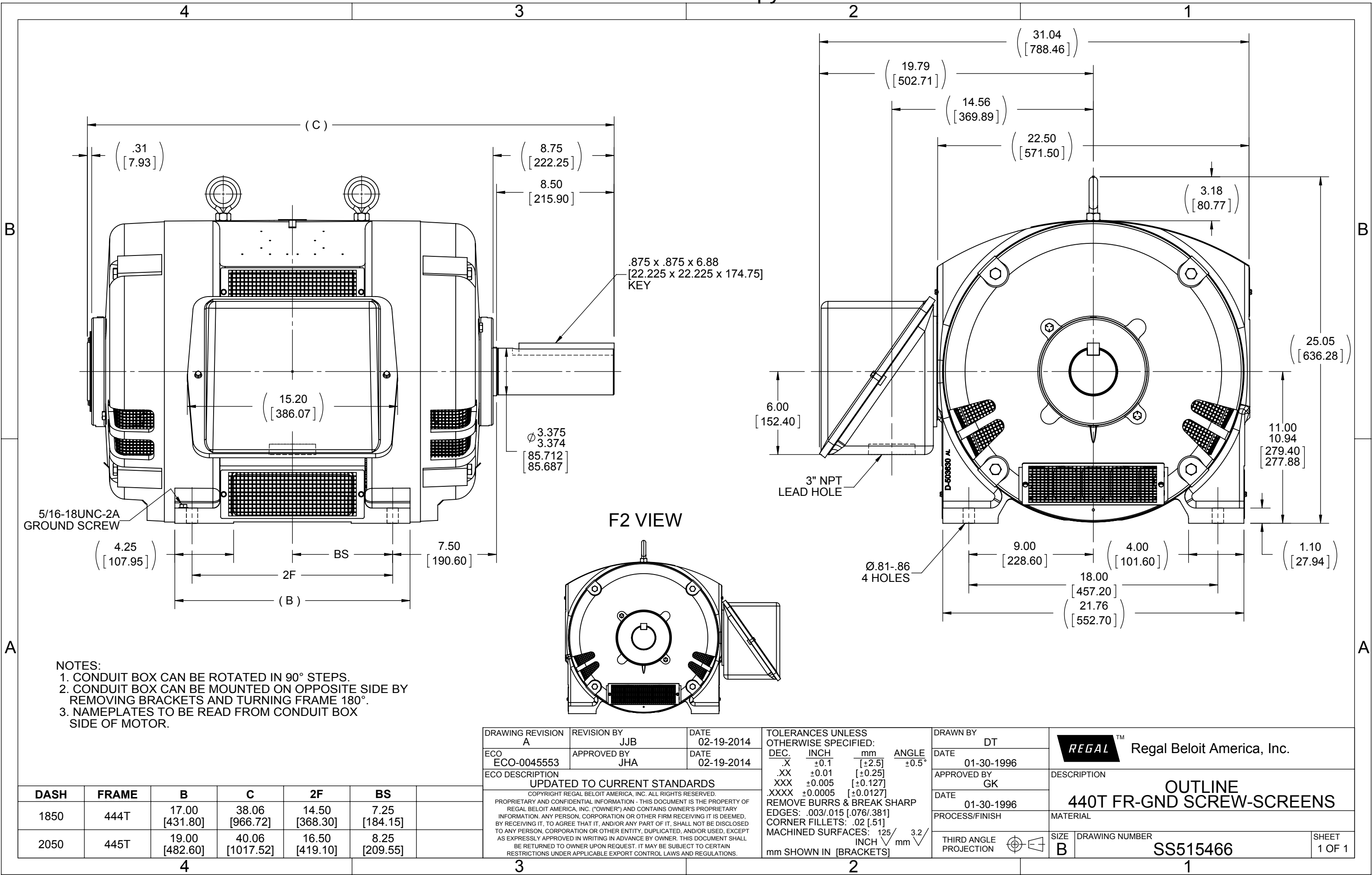
Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	460/796 V
Current	91.5/53.0 A	Speed	1140 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	85
Duty	Oil Well	Insulation Class	F
Design Code	D	KVA Code	H
Frame	444T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	Recognized	CSA	N
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.108 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	38.06 in
Frame Length	18.50 in	Shaft Diameter	3.375 in
Shaft Extension	8.75 in	Assembly/Box Mounting	F2/F1 Capable
Outline Drawing	B-SS515466-1850	Connection Drawing	A-EE7304H

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NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT 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.

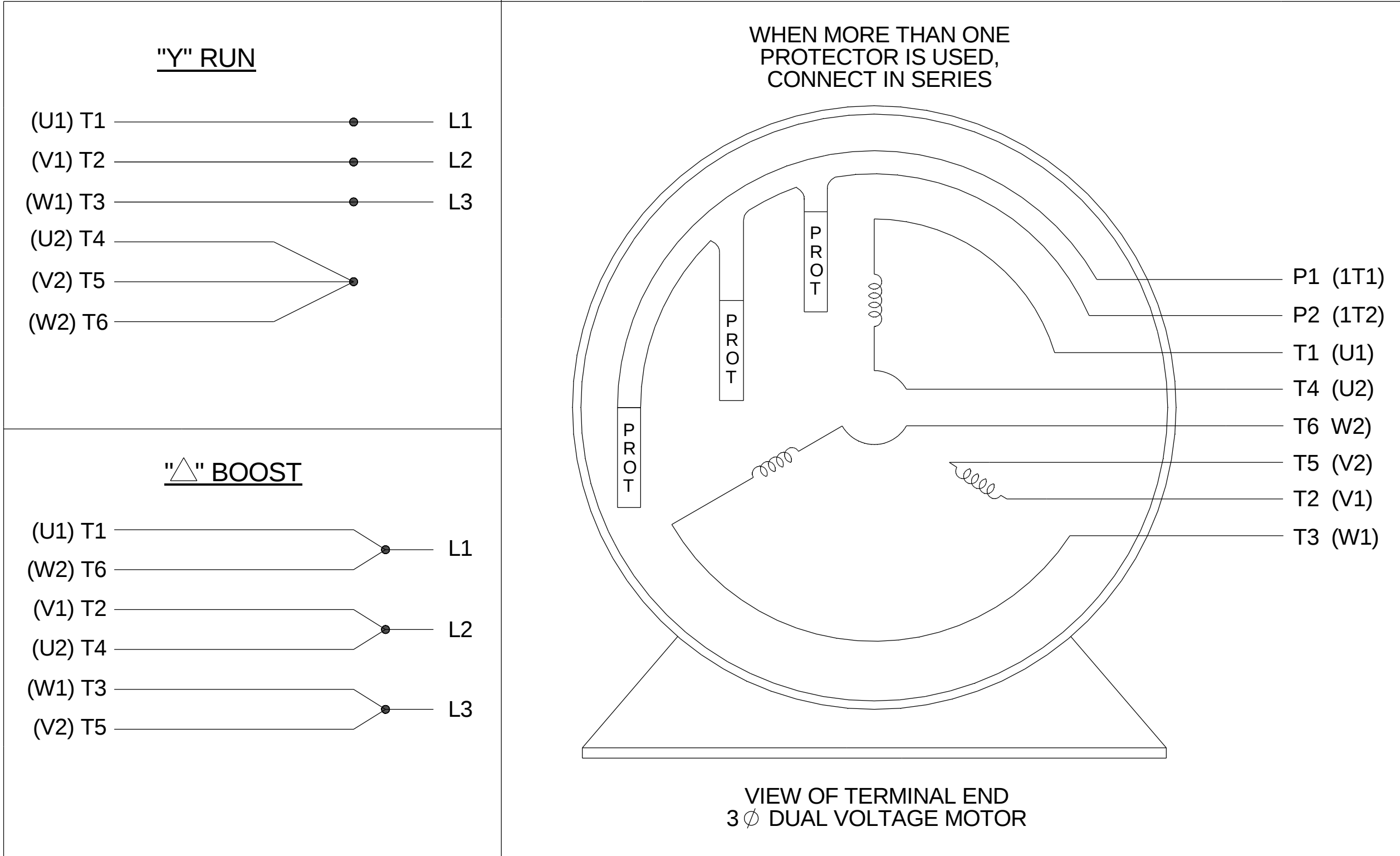
DASH	FRAME	B	C	2F	BS
1850	444T	17.00 [431.80]	38.06 [966.72]	14.50 [368.30]	7.25 [184.15]
2050	445T	19.00 [482.60]	40.06 [1017.52]	16.50 [419.10]	8.25 [209.55]

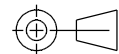
DRAWING REVISION A	REVISION BY JJB	DATE 02-19-2014
ECO ECO-0045553	APPROVED BY JHA	DATE 02-19-2014
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		

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 [0.51]		
MACHINED SURFACES: 125 INCH 3.2 mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY DT	DATE 01-30-1996
APPROVED BY GK	DATE 01-30-1996
PROCESS/FINISH	THIRD ANGLE PROJECTION

DRAWN BY DT			DATE 01-30-1996		
APPROVED BY GK			DATE 01-30-1996		
PROCESS/FINISH			THIRD ANGLE PROJECTION		
DRAWING NUMBER SS515466			SHEET 1 OF 1		



DRAWING REVISION A	REVISION BY HV	DATE 12-17-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .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 [0.51] MACHINED SURFACES: 125 INCH ✓ mm ✓ mm SHOWN IN [BRACKETS]	DRAWN BY BLR	 Regal Beloit America, Inc.		
ECO ECO-0065198	APPROVED BY EMH	DATE 12-17-2014		DATE 03-07-1998	DESCRIPTION CONN DIAGRAM-EXTERNAL DUAL VOLTAGE - 3 PHASE - 6 LEAD DELTA - Y		
ECO DESCRIPTION REDRAWN IN SOLIDWORKS, REMOVED GRND. NOTE				APPROVED BY ML			
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				REFERENCE	MATERIAL	PROCESS/FINISH	
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7304H

CERTIFICATION DATA SHEET

Model#: 444TTDS8699 BP **WINDING#:** T444666 NONE 2
CONN. DIAGRAM: A-EE7304H **ASSEMBLY:** F2/F1 CAPABLE
OUTLINE: B-SS515466-1850

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75	56	1200	1140	444T	DP	H	D

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	460/796	91.5/53	ACROSS THE LINE	OIL WELL	F1	1.15	40	3300

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 91	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85	3/4 LOAD PF: 80	1/2 LOAD PF: 70	88.5	SQ CAGE IND RUN	35 / 20.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
345 LB-FT	750 / 433.4	955 LB-FT 277	1350 LB-FT 391	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
76 dBA	86 dBA	60.5 LB-FT^2	- LB-FT^2	- SEC.	-	1050 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	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6318	6316	POLYREX EM	T	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

* N O T E S *	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			

DATE: 06/21/2017 04:24:50 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 19-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



444TTDS8699

Submittal

Data @ 460 V

Motor Load Data

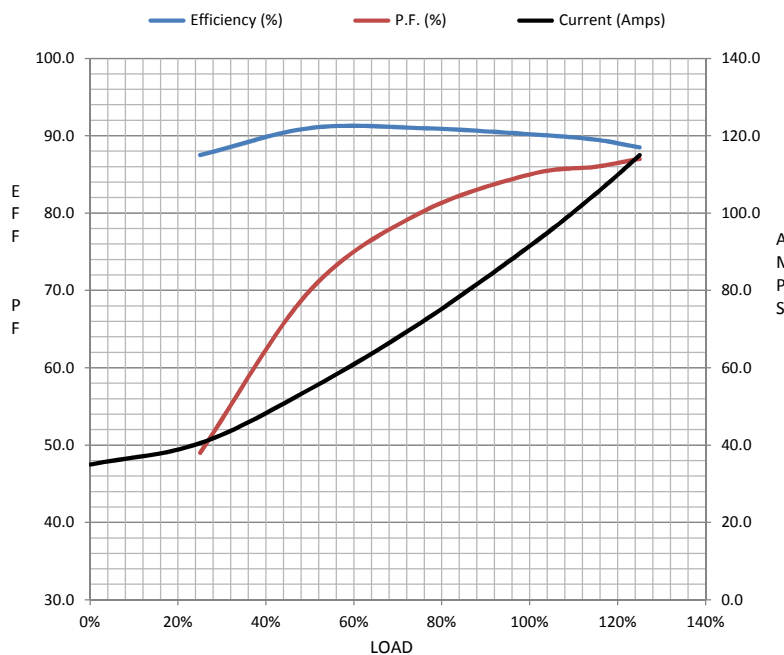
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	35.0	40.5	54.5	71.5	91.5	105	115	750	
Torque (ft-lb)	0.00	83.0	168	255	345	400	435	955	
RPM	1200	1185	1175	1160	1140	1,130	1120	0	
Efficiency (%)		87.5	91.0	91.0	90.2	89.5	88.5		
P.F. (%)	5.0	49.0	70.0	80.0	85.0	86.0	87.0	48.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	250	700	1140	1200
Current (Amps)	750	675	450	91.5	35.0
Torque (ft-lb)	955	1,050	1,350	345	0.00

Information Block

HP	75.0			
Sync. RPM	1200			
Frame	444			
Enclosure	DP			
Construction	TDS			
Voltage	460/796 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	60.5 Lb-Ft ²			
Ref Wdg	T444666 NONE			
Sound Pressure @ 1M	76 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS515466-1850			
Conn. Diag	A-EE7304H			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0680	0.1360	0.2510	0.1590	6.1610



Speed -Torque Curve

