

PRODUCT INFORMATION PACKET

Model No: 405TSTDS4006

Catalog No: U534

Fire Pump Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 405TS Frame, DP



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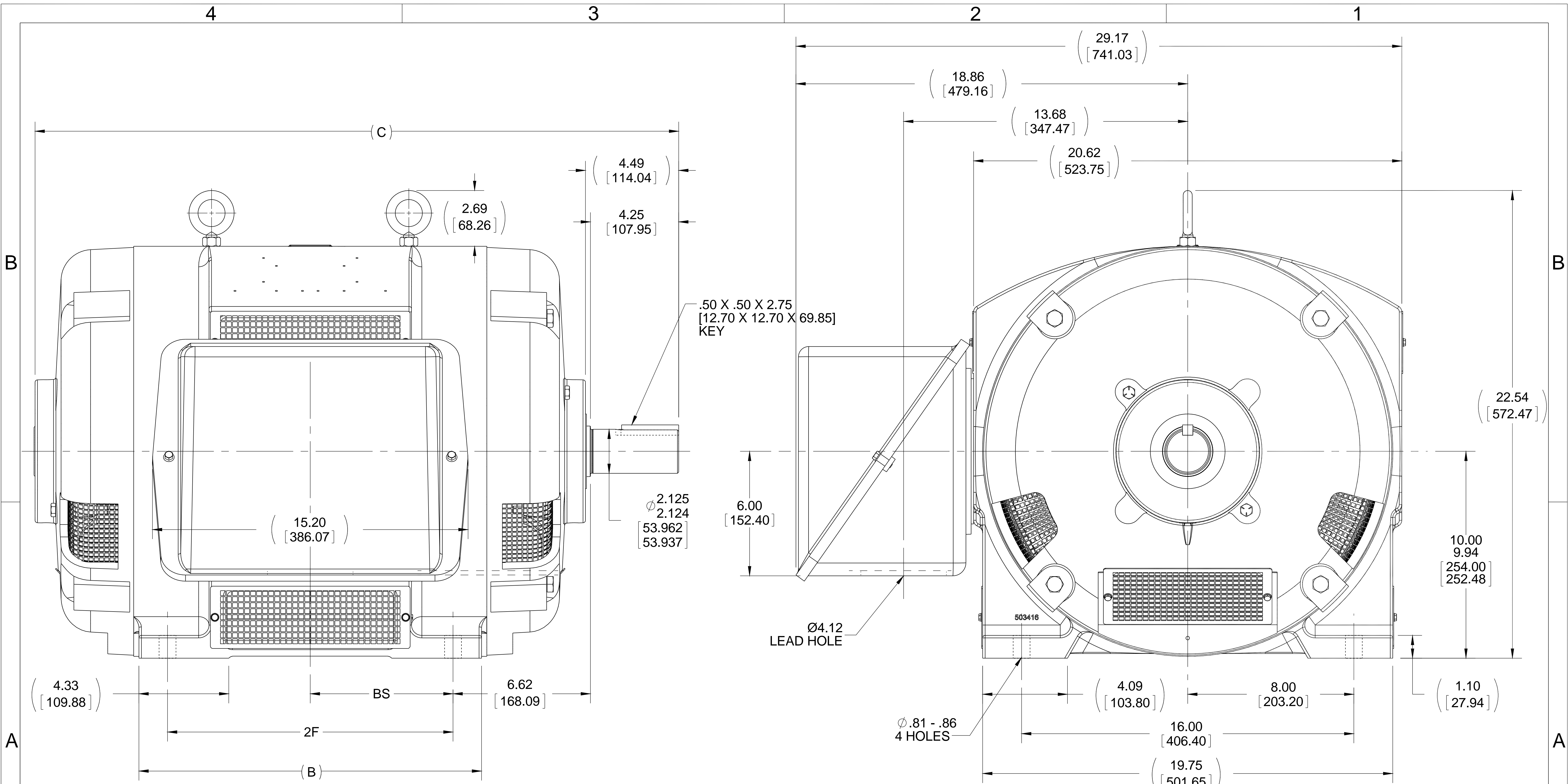
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Nameplate Specifications

Phase	3	Output HP	150 & 125 Hp
Output KW	112.0 & 93.0 kW	Voltage	460 & 380 V
Speed	3560 & 2960 rpm	Service Factor	1.15 & 1.15
Frame	405TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93.6 & 93.6 %
Ambient Temperature	50 °C	Frequency	60 & 50 Hz
Current	169 & 170 A	Power Factor	89
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	F
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	No	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	.049 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	31.00 in
Frame Length	17.00 in	Shaft Diameter	2.125 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7300BH	Outline Drawing	B-SS511744-1700



- 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
1550	404TS	15.00 [381.00]	29.50 [749.30]	12.25 [311.15]	6.12 [155.45]
1700	405TS	16.50 [419.10]	31.00 [787.40]	13.75 [349.25]	6.88 [174.75]

DRAWING REVISION C	REVISION BY W. JOERGER	DATE 06-08-2016
ECO ECO-0103342	APPROVED BY E. HEIL	DATE 06-08-2016
ECO DESCRIPTION RE-DRAWN TO CURRENT STANDARDS		
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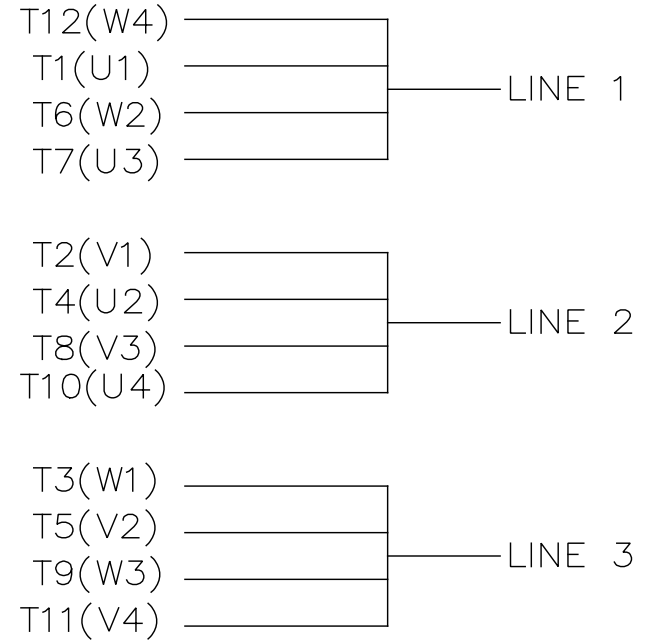
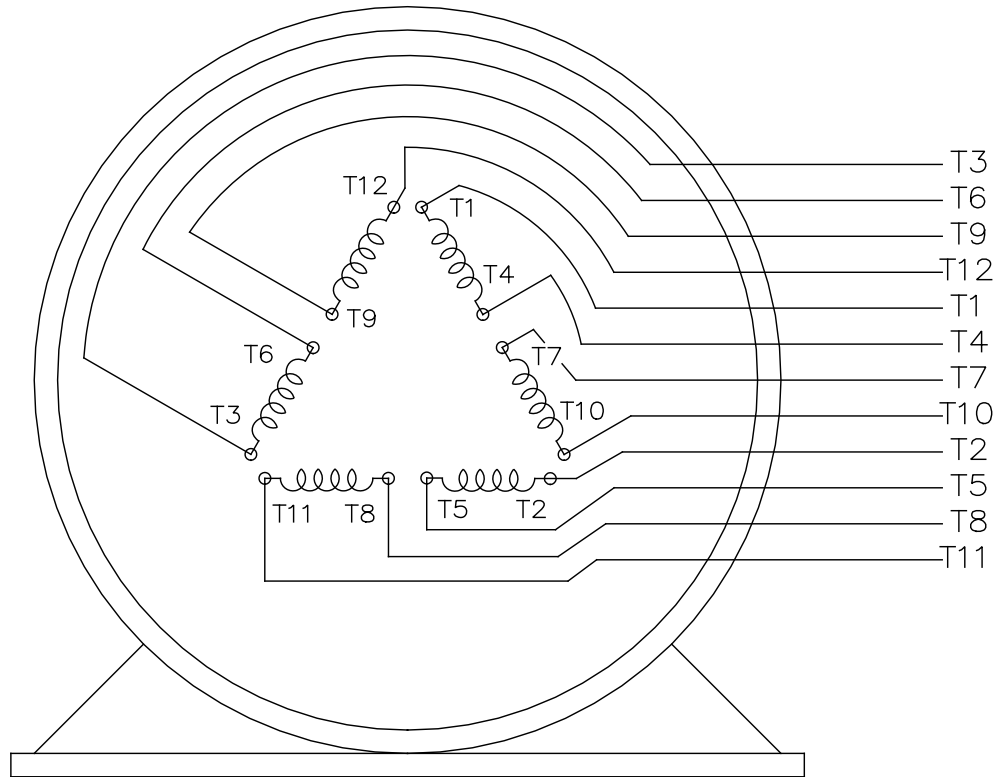
TOLERANCES UNLESS OTHERWISE SPECIFIED:

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] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 INCH 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY TLB	DATE 06-16-1982
APPROVED BY GK	DATE 06-16-1982
REFERENCE	THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE 400TS FR - DR. PR. - (STD) SCREENED
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS511744
SHEET 1 OF 1	



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		REGAL REGAL - BELOIT CORPORATION	DRAWN RJW 02-11-2005							
				DEC.	INCHES		CHK	ML	02-11-2005					
				.X	±.1		APPD	GK	02-11-2005					
				.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE						
D	CHANGED TO REGAL TITLE BLOCK	ECO-0108299	WGJ 08/22/2016	EMH	.XXX	±.005	12 LEAD- SINGLE VOLTAGE		REF					
1	ADDED IEC TERMINAL MARKINGS	CN 41429	JJB 05/24/2007	ML	.XXXX	±.0005	MAT'L.		FMF					
NO.	REVISION		BY & DATE	CHK	ANG	±7'30"	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	02-11-2005		CAD FILE	ee7300bh		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB		A	EE7300BH					C	

Data Sheet

Date: 6/19/2017

405TSTDS4006

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 460 V

Motor Load Data

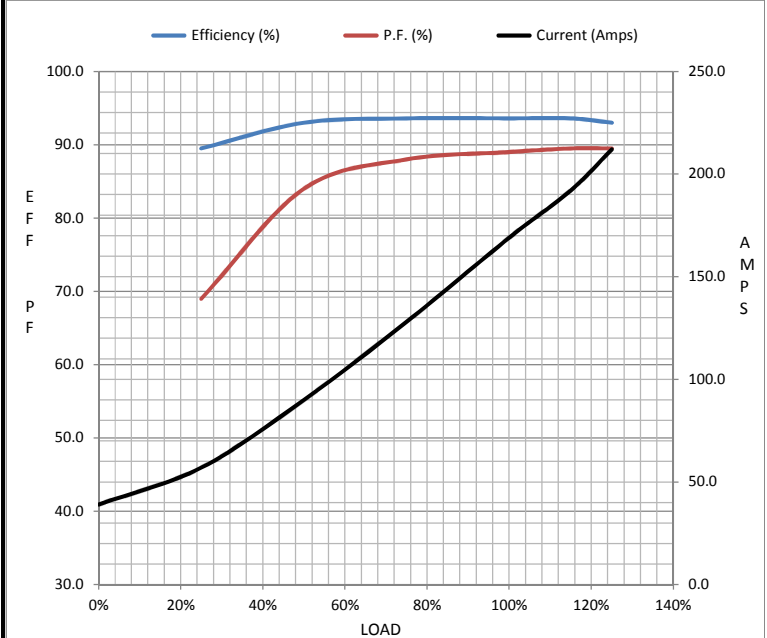
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	39.0	57.0	90.0	128	169	192	212	1,000
Torque (ft-lb)	0.00	55.0	110	165	221	254	278	330
RPM	3600	3592	3582	3572	3560	3,555	3548	0
Efficiency (%)		89.5	93.0	93.6	93.6	93.6	93.0	
P.F. (%)	10.0	69.0	84.0	88.0	89.0	89.5	89.5	33.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3370	3560	3600
Current (Amps)	1,000	900	550	169	39.0
Torque (ft-lb)	330	300	525	221	0.00

Information Block

HP	150.0			
Sync. RPM	3600			
Frame	405			
Enclosure	DP			
Construction	TDS			
Voltage	460#380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	15.0 Lb-Ft ²			
Ref Wdg	T405244 NONE			
Sound Pressure @ 1M	82 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS511744-1700			
Conn. Diag	A-EE7300BH			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0330	0.0180	0.2140	0.1360	7.0120



Speed - Torque Curve

