

PRODUCT INFORMATION PACKET



Model No: 405TSTDS14009
Catalog No: 405TSTDS14009
150,3600,DP,405TS,3/60/460

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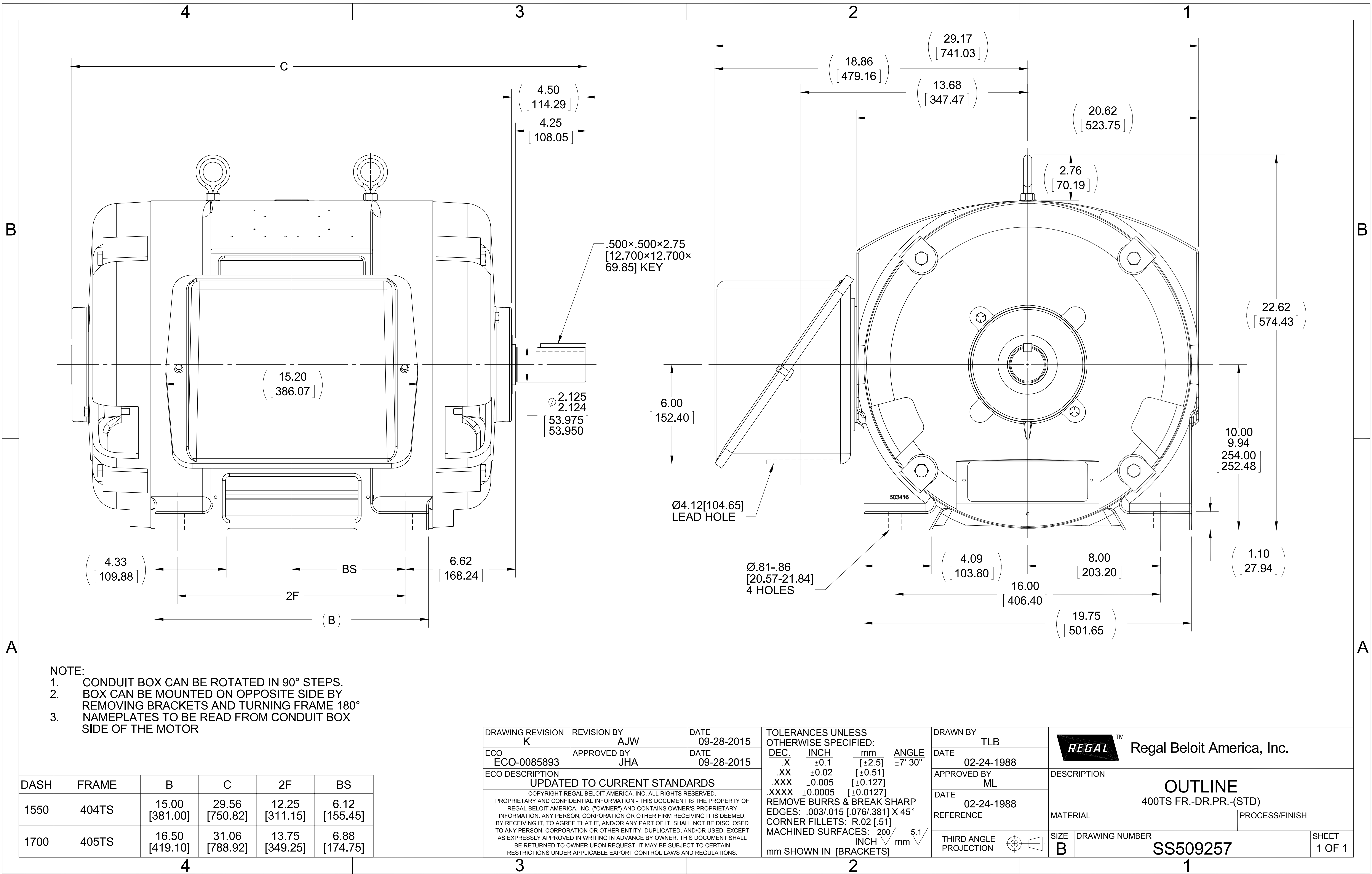
Nameplate Specifications

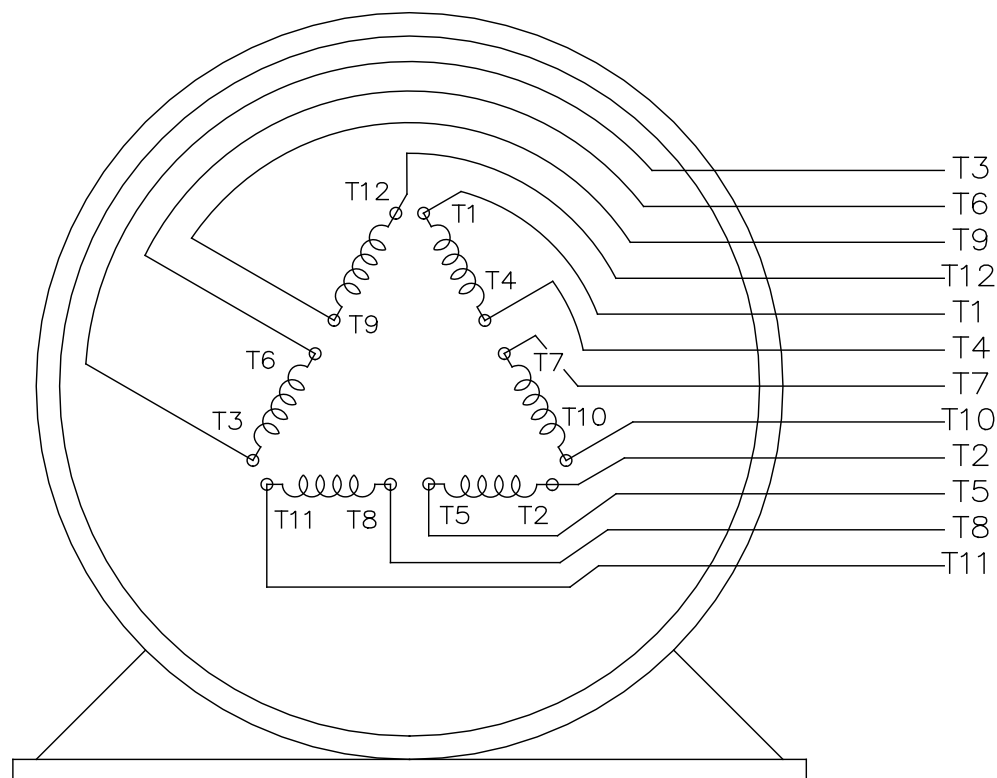
Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	169.0 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	89
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	F
Frame	405TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
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

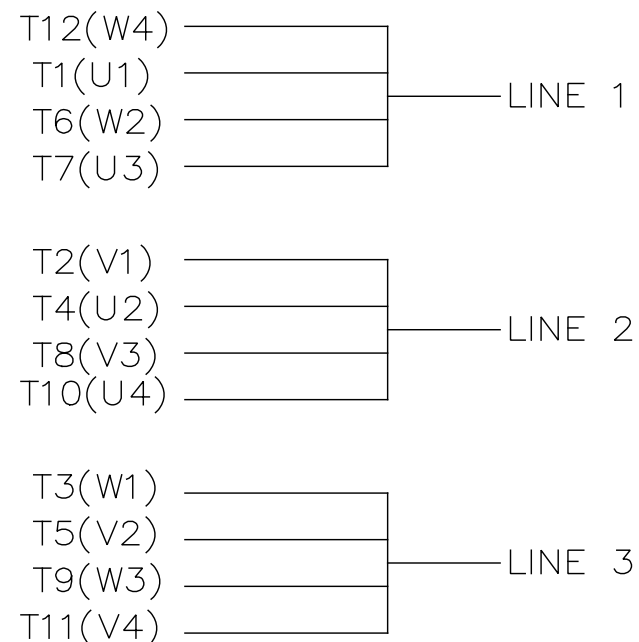
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.049 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS509257-1700	Connection Drawing	A-EE7300BH

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VIEW OF TERMINAL END



				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN RJW 02-11-2005				
				DEC.	INCHES		CHK	ML	02-11-2005		
				.X	±.1		APPD	GK	02-11-2005		
				.XX	±.02		SCALE				
D	CHANGED TO REGAL TITLE BLOCK	ECO-0108299	WGJ 08/22/2016	EMH	.XXX	±.005	TITLE CONNECTION DIAGRAM 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: 11/18/2022

Customer:

Attention:

Submitted by:



405TSTD14009

Submittal

Data @ 460 V

Motor Load Data

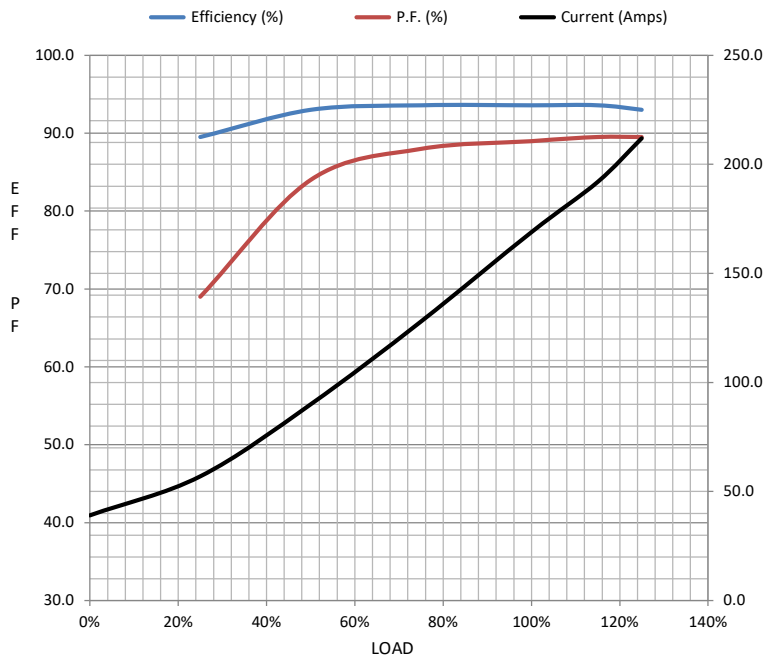
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	39.0	57.0	90.0	128	169	192	212	1,000	
Torque (ft-lb)	0.00	55.0	110	165	221	254	278	330	
RPM	3600	3592	3582	3572	3560	3,555	3548	0	
Efficiency (%)		89.5	93.0	93.6	93.6	93.6	93.0		
P.F. (%)	10.0	69.0	84.0	88.0	89.0	89.5	89.5	33.0	

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	3,300 feet			
Rotor/Shaft wk²	15.0 Lb-Ft²			
Ref Wdg	T405244 NONE			
Sound Pressure @ 1M	82 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS509257-1700			
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

