# PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 405TTFS7297, Catalog No:Y391 XRI®-SD Other Purpose Motor, 75 & 18.75 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 405T Frame, TEFC



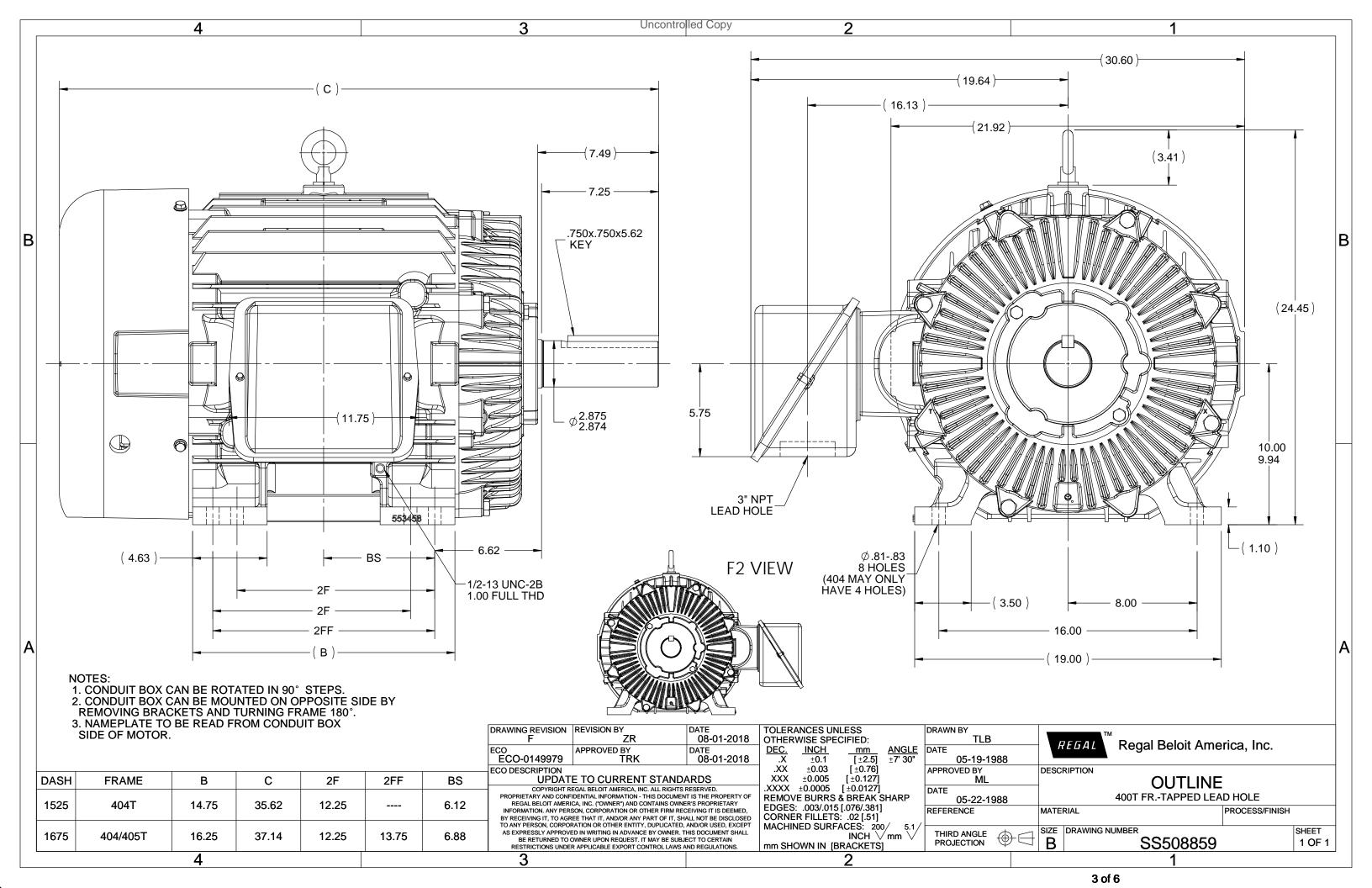
## Nameplate Specifications

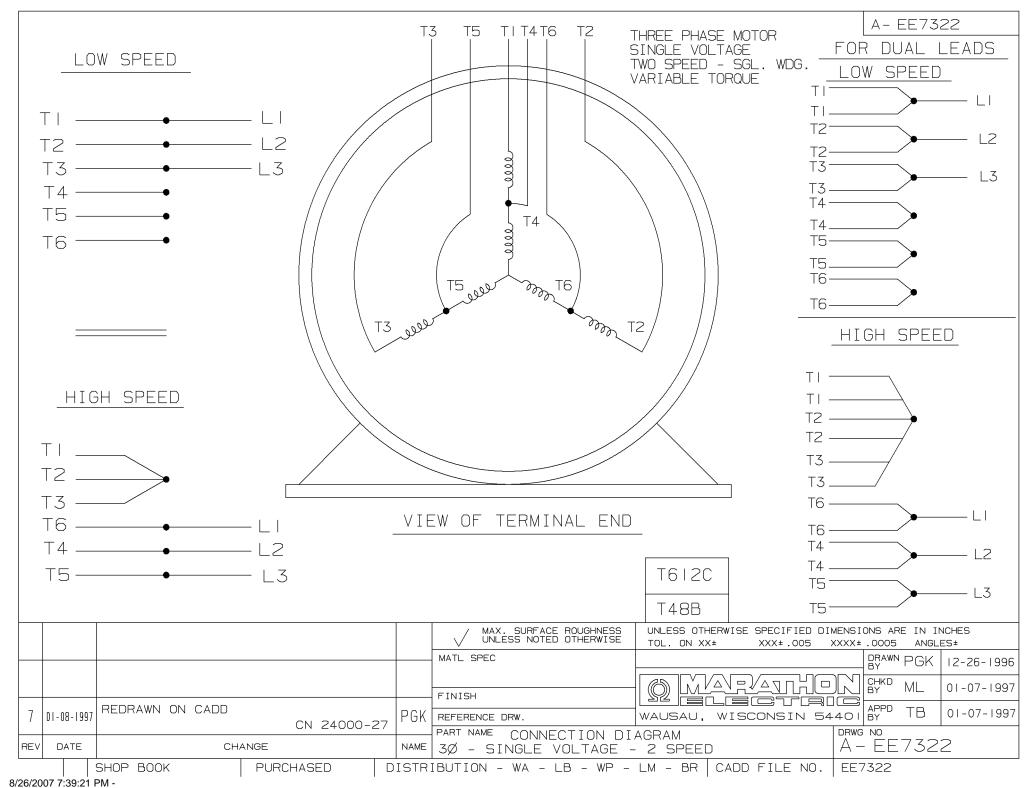
Phase	3	Output HP	75 & 18.75 Hp
Output KW	56.0 & 14.0 kW	Voltage	460 & 460 V
Speed	1785 & 890 rpm	Service Factor	1.15 & 1.15
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	83 & 27 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	1VT	KVA Code	Н
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	2		

# **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line	
Poles	4/8	Rotation	Reversible	
Resistance Main	.085 Ohms	Mounting	Rigid Base	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	Т	Overall Length	37.14 in	
Frame Length	16.75 in	Shaft Diameter	2.875 in	
Shaft Extension	7.5 in	Assembly/Box Mounting	F1/F2 CAPABLE	
Outline Drawing	B-SS508859-1675	Connection Drawing	A-EE7322	

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#### **CERTIFICATION DATA SHEET**

WINDING#: T405(4-8)11 NONE 1 Model#: 405TTFS7297 AP CONN. DIAGRAM: A-EE7322 ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS508859-1675

#### **TYPICAL MOTOR PERFORMANCE DATA**

НР	KV	v	SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA CODE	DESIGN
75&18 3/-	56&	14		900	1785&890	405T	TEF	С	Н	1VT
PH	Hz	vo	LTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	46	60	83&27	ACROSS THE	CONTINUOU	F1	1.15/1.15	5 40	3300
					LINE	S				

FULL LOAD EFF: 94.1&92.4	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&71.5	3/4 LOAD PF: 67	1/2 LOAD PF: 57	90.9	SQ CAGE IND RUN	12.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
112 LB-FT	118	123 LB-FT 110	222 LB-FT 198	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	27 LB-FT^2	- LB-FT^2	- SEC.	-	1400 LBS.

### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (EPOXY)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6316	6313					ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

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