

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 405TTFS17208
Catalog No: 405TTFS17208
75,1800//900,TEFC,405T,3/60/460(2 WDG)

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The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

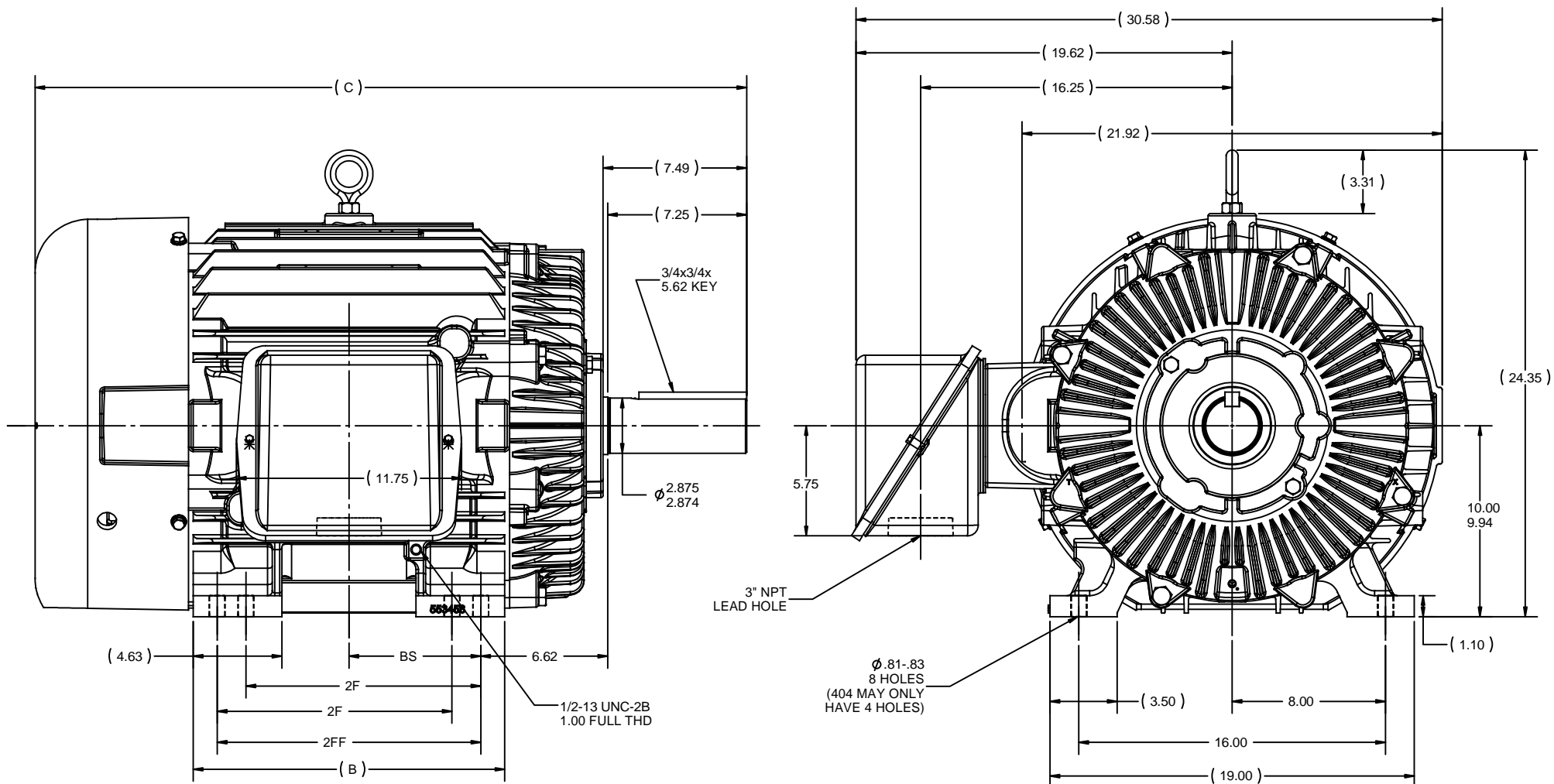
Nameplate Specifications

Phase	3	Output HP	75,18.75 Hp
Output KW	56.0 kW	Voltage	460 V
Speed	1785,890 rpm	Service Factor	1.15
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	85,29 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	2VT	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	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	.105 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS508859-1675	Connection Drawing	A-EE7317

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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. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	2FF	BS
1525	404T	14.75	35.62	12.25		6.12
1675	404/405T	16.25	37.14	12.25	13.75	6.88

		TOLERANCES UNLESS SPECIFIED				DRAWN T.J.W 09-06-2007	
		DEC	INCHES			CHK ML 09-06-2007	
		x	±.1	TITLE OUTLINE - TEFC		APPR JES 09-06-2007	
		.xx	±.03	400T FR. - TAPPED LEAD HOLE		SCALE 1:5	
		.xxx	±.005	MATL		REF SS508859	
1	UPDATED FRAME & REDRAWN IN SOLIDWORKS MU102119	JSB 09-13-2011	JB	xxxxx	±.0005	FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PAGE OF
			RFP	05-22-1988		PREV	SIZE DRAWING NO
			NETWORK FILE NAME		SS508859LN	REV	
THIRD ANGLE PROJECTION				SIZE B		DRAWING NO SS508859LN	
						PAGE 1 OF 1	

LOW SPEED CONNECTION:
 CONNECT T1 TO LINE 1
 CONNECT T2 TO LINE 2
 CONNECT T3 TO LINE 3
 T11-T12-T13 OPEN

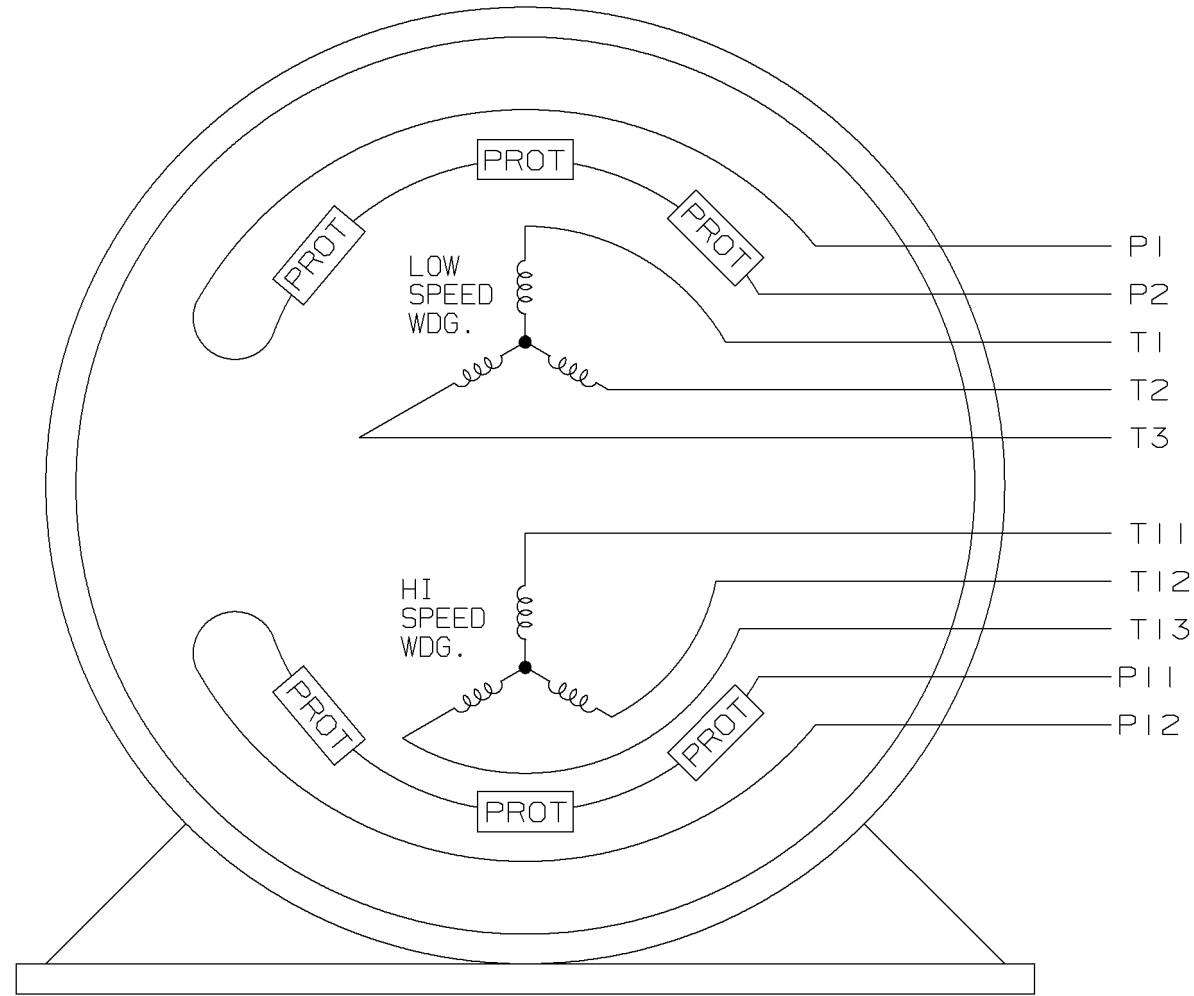
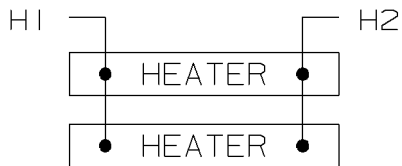
P1 & P2 CONN. TO LOW
 SPEED WDG. SENSORS.

P11 & P12 CONN. TO
 HIGH SPEED WDG.
 SENSORS.

HIGH SPEED CONNECTION:
 CONNECT T11 TO LINE 1
 CONNECT T12 TO LINE 2
 CONNECT T13 TO LINE 3
 T1-T2-T3 OPEN

IF SPACE HEATERS ARE
 REQUIRED:

CONNECT SPACE HEATERS
 IN PARALLEL, MARK
 LEADS HI & H2



VIEW OF TERMINAL END

				125 $\sqrt{\quad}$ SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL ON XX± XXX±.005 XXXX±.0005 ANGLES±		
				MATL SPEC		DRAWN BY DJK	08-15-95
				FINISH	 WAUSAU, WISCONSIN 54401		
1		NEW DRAWING	4311123	DJK	PART NAME CONNECTION DIAGRAM 2 WDG. - 2 SPEED		
REV	DATE	CHANGE	NAME	DRWG NO			A- EE7317Y
		PURCHASED		DISTRIBUTION - WA - LB - WP - LM			CADD FILE NO. EE7317Y

Data Sheet

Date: 8/21/2024
 Customer: _____
 Attention: _____
 Submitted by: VESHNU G



405TTFS17208

Submittal

Data @ 460 V

Motor Load Data

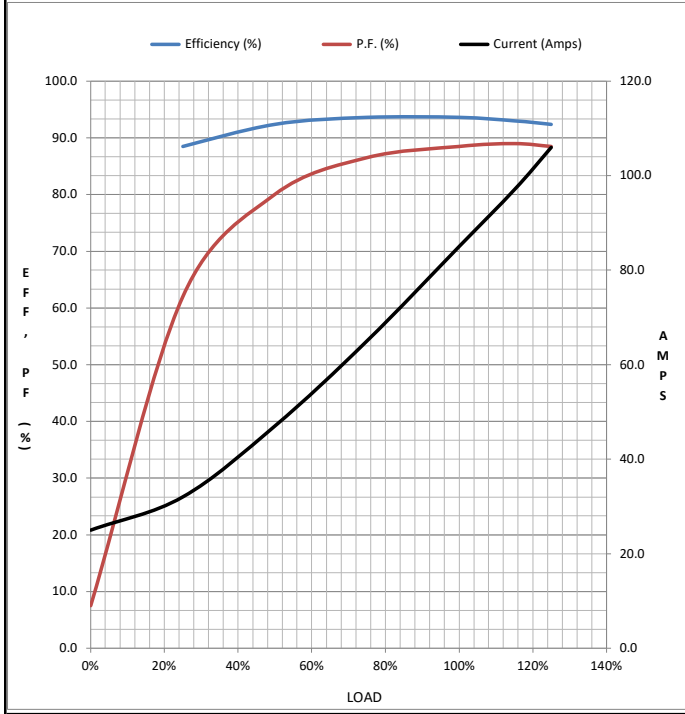
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	25.0	32.0	47.0	65.0	85.0	97.0	106	542
Torque(ft-lb)	0.00	55.0	110	165	221	254	277	250
RPM	1800	1795	1792	1788	1785	1,782	1780	0
Efficiency (%)		88.5	92.4	93.6	93.6	93.0	92.4	
P.F. (%)	7.5	62.0	80.0	86.5	88.5	89.0	88.5	26

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1785	1800
Current (Amps)	542	500	350	85.0	25.0
Torque(ft-lb)	250	225	675	221	0.00

Information Block

HP	75.0			
Sync. RPM	1800			
Frame	405T			
Enclosure	TEFC			
Construction	TFS			
Voltage	460 V			
Frequency	60 Hz			
Design	2VT			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	26.0 Lb-Ft ²			
Ref Wdg	T405(4-8)26 HS			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NA			
Outline Dwg	B-SS508859-1675			
Conn. Diag	A-EE7317			
Additional Specifications:				
HIGH SPEED PERFORMANCE				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0711	0.0295	0.2884	0.2559	10.4706



Speed - Torque Curve

