

PRODUCT INFORMATION PACKET

Model No: 404TTGS6588
Catalog No: E574
60,1200,EPFC,404T,3/60/230/460
Explosion Proof



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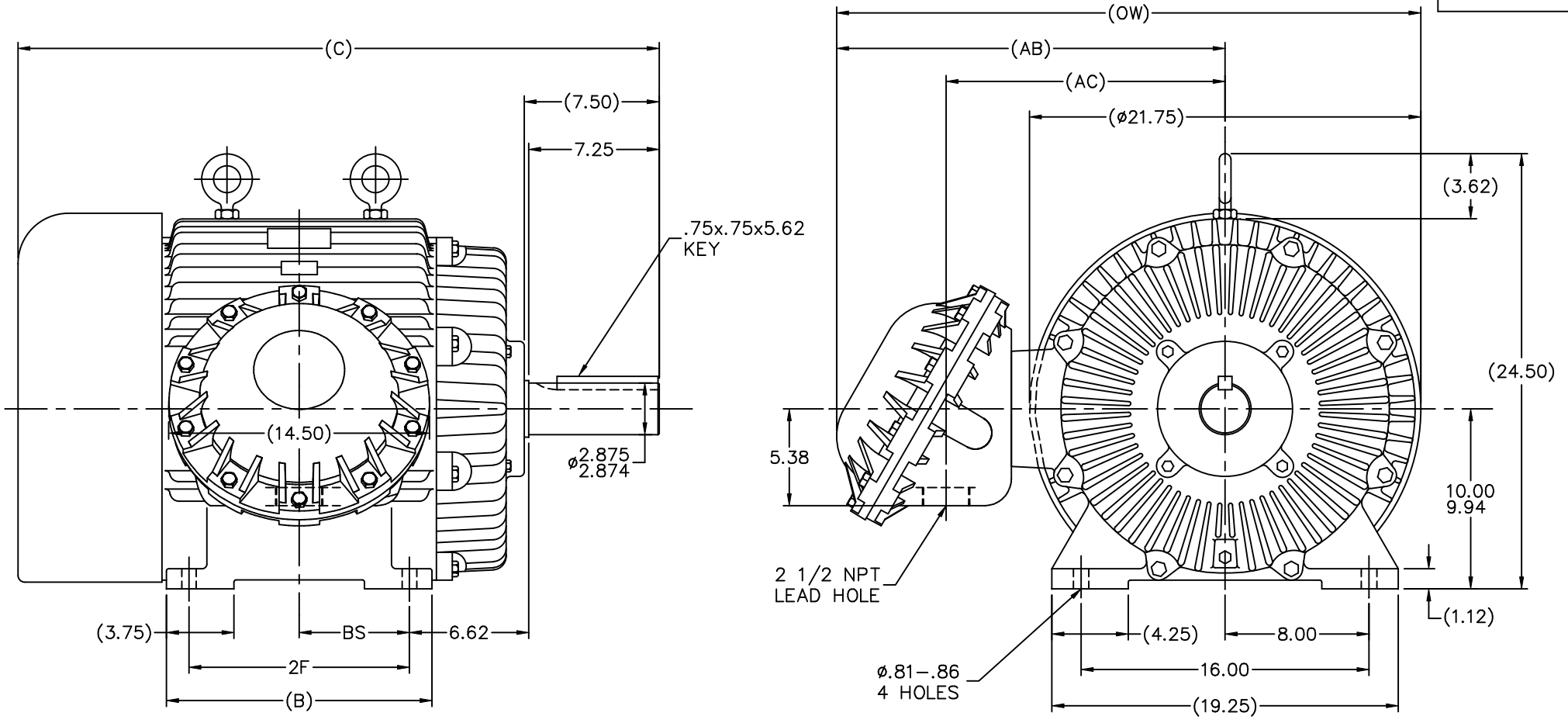
Nameplate Specifications

Output HP	60 Hp	Output KW	45 kW
Frequency	60 Hz	Voltage	230/460 V
Current	144/72 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	G	Frame	404T
Enclosure	EPFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6316
Opp Drive End Bearing Size	6313	UL	No
CSA	N	CE	N
IP Code	54		

Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	6	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	T
Overall Length	35.62 in	Frame Length	15.25 in
Shaft Diameter	2.88 in	Shaft Extension	7.5 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-SS518777-1525	Connection Diagram	A-EE7308AD

SS518777



NOTES:

1. BOX CAN BE ROTATED IN 90° STEPS
2. 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	AB	AC	BS	OW
1525	404T	14.75	35.62	12.25	21.50	15.50	6.12	32.38
1675	405T	16.25	37.12	13.75	22.50	16.50	6.88	33.38

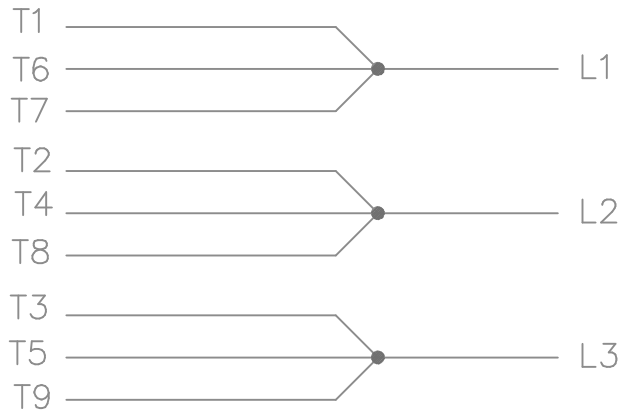
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		DEC.	INCHES			CHK	JHL 013-19-2002
		.X	±.1			APPD	JES 03-20-2002
2	REDRAWN IN AUTOCAD	.XX	±.03	TITLE OUTLINE		SCALE	3-16
1	NEW DRAWING	.XXX	±.005	400T FR. - EXP.PR. - STD.		REF	
		.XXXX	±.0005	MATL		FMF	
NO.	REVISION	CHK	ANG	FINISH		PREV	
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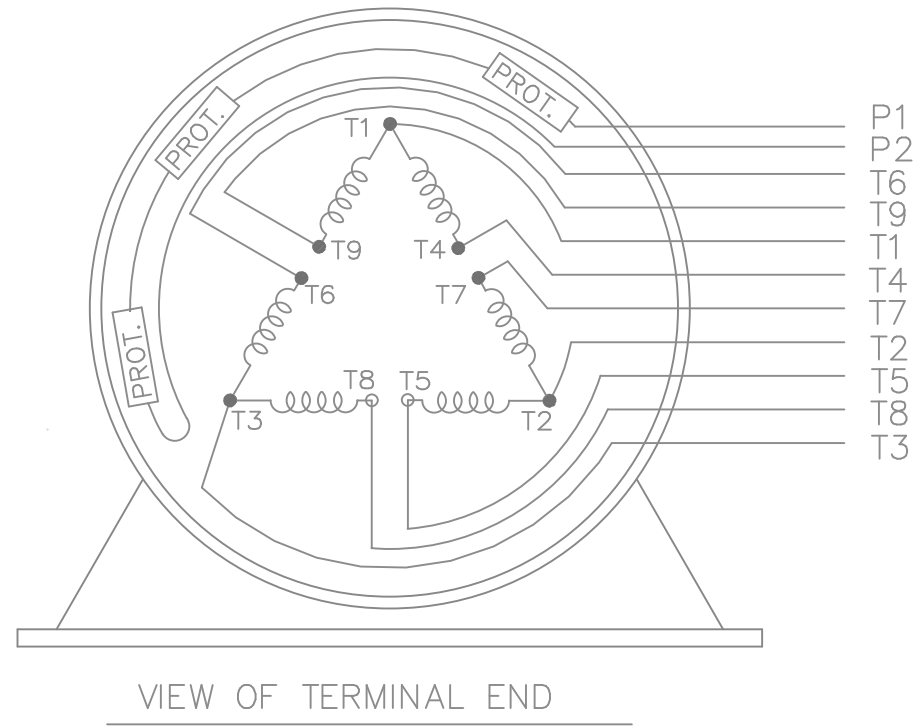
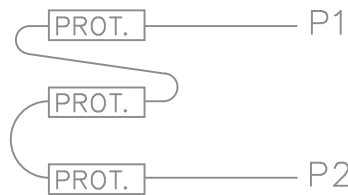
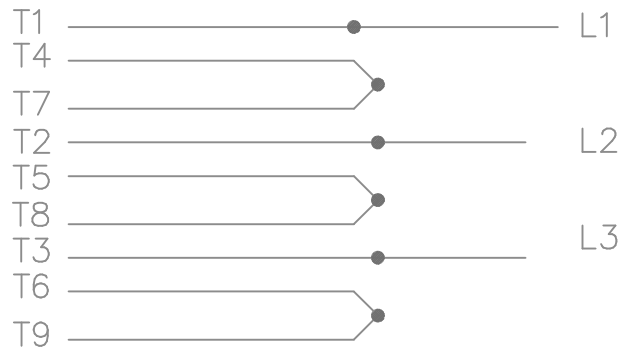
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LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

WHEN MORE THAN ONE PROT. IS USED; PROT. ARE CONNECTED IN SERIES

				TOLERANCES UNLESS SPECIFIED			DRAWN MJD 12-19-1997					
				DEC.	INCHES		CHK ML 01-07-1998					
				.X	±.1		APPD GK 01-07-1998					
				.XX	±.02		SCALE					
8	HIGH VOLT. SCHEMATIC WAS L1, L3 & L3	CN 32724	DRS 06-12-2004	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM					
7	REDRAWN ON CADD		MJD 01-07-1998		.XXXX	±.0005	3φ - WITH PROTECTORS					
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	REF					
				RFP	CAD FILE ee7308ad			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WA-LB			A	EE7308AD			8

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Data Sheet

404TTGS6588



Submittal
Data @ 460 V

Date: 6/20/2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

Motor Load Data

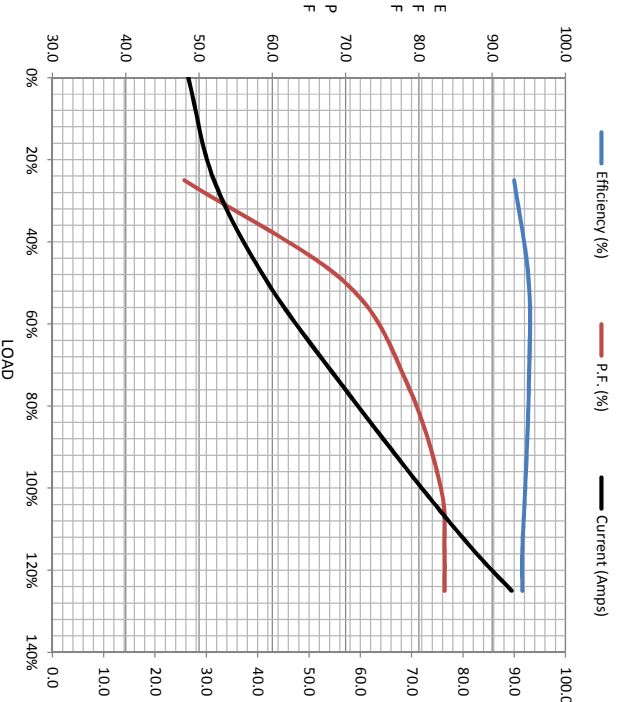
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	26.5	31.5	42.0	56.5	72.0	82.0	89.5	435
Torque (ft-lb)	0.00	65.5	132	199	266	306	333	535
RPM	1200	1196	1194	1188	1185	1182	1180	0
Efficiency (%)		93.0	95.0	95.0	94.5	94.1	94.1	
P.F. (%)	4.5	48.0	70.0	78.5	83.0	83.5	83.5	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	600	1050	1185	1200
Current (Amps)	435	390	240	72.0	26.5
Torque (ft-lb)	535	475	650	266	0.00

Information Block

HP	60.0			
Sync. RPM	1200			
Frame	404			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460 V			
Frequency	60 HZ			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	33.5 Lb-Fe			
Rel Wdg	T404640 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	B-SS518777-1525			
Conn. Diag	A-EET308AD			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0710	0.0430	0.3940	0.5270	9.5450



Speed - Torque Curve

