

PRODUCT INFORMATION PACKET



Model No: 444TTGN16032AA

Catalog No: 825111.00

..125HP..1800RPM.444T.EPFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....

Explosion Proof



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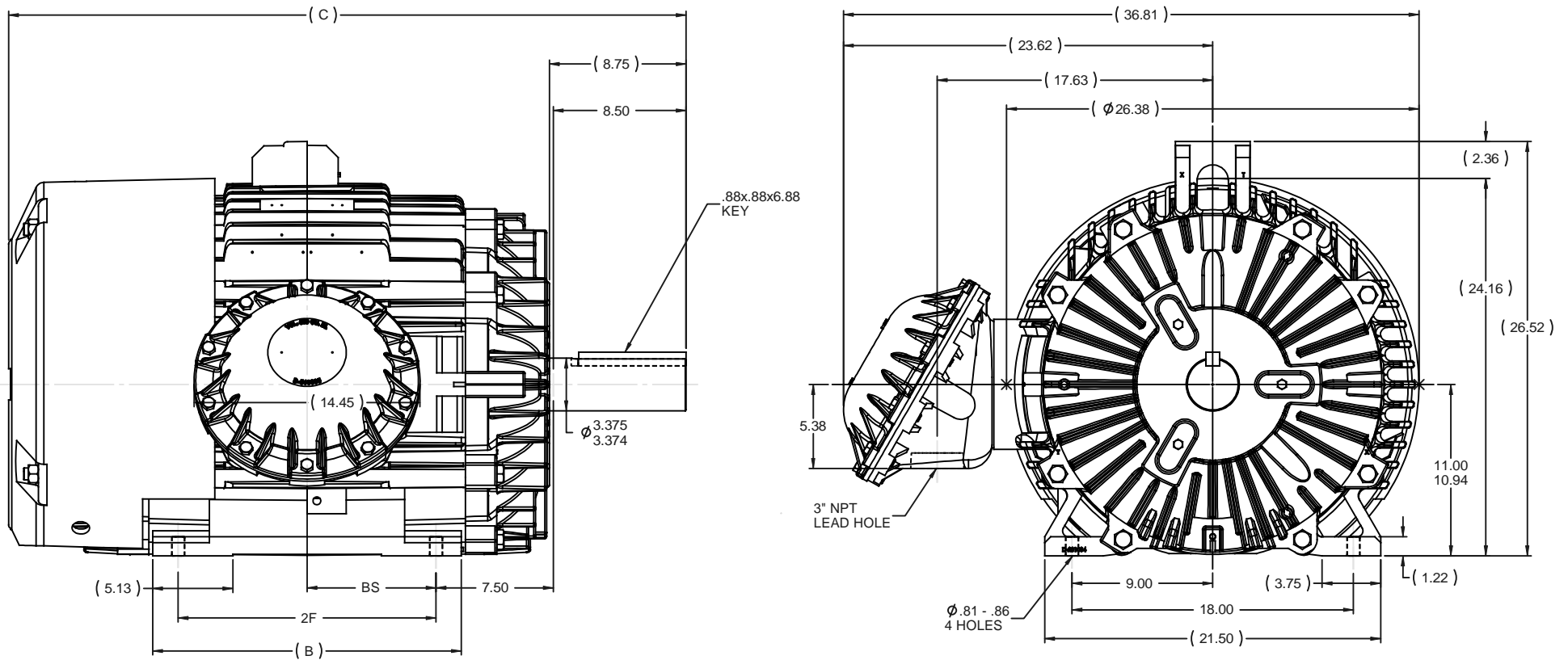


Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	143.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	444T
Enclosure	Explosion Proof Fan cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6318
Opp Drive End Bearing Size	6316	UL	No
CSA	N	CE	N
IP Code	54		

Technical Specifications

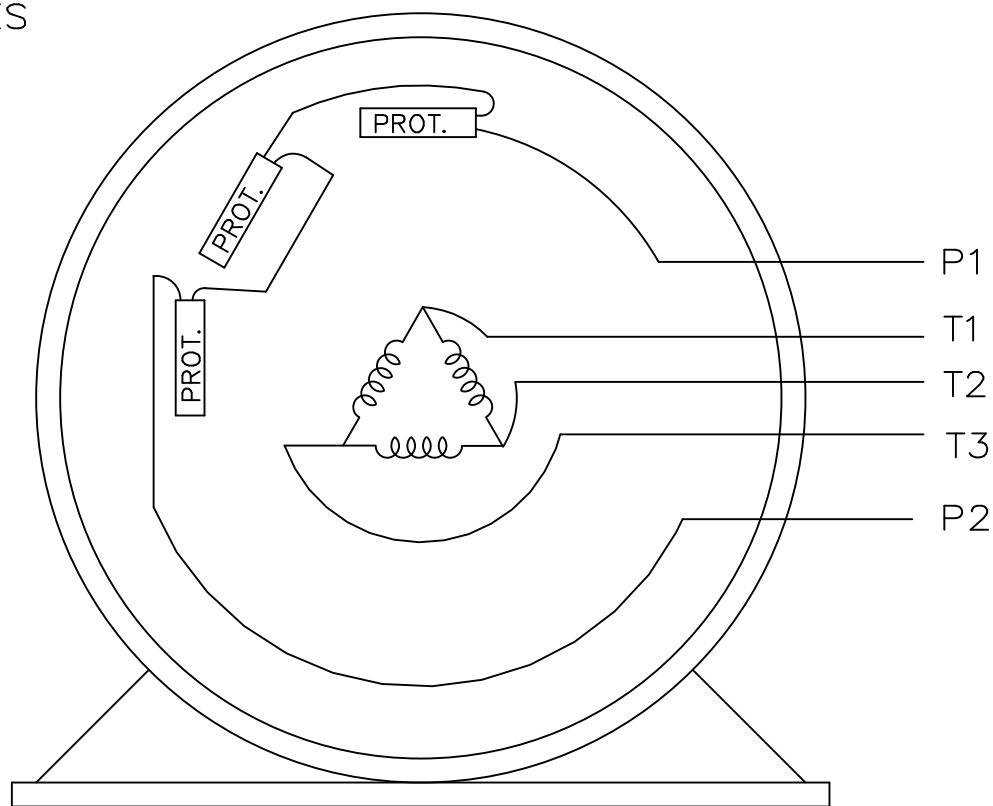
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	41.35 in	Frame Length	18.25 in
Shaft Diameter	3.375 in	Shaft Extension	8.5 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-SS515577LE-1825	Connection Diagram	A-EE7300S-LE



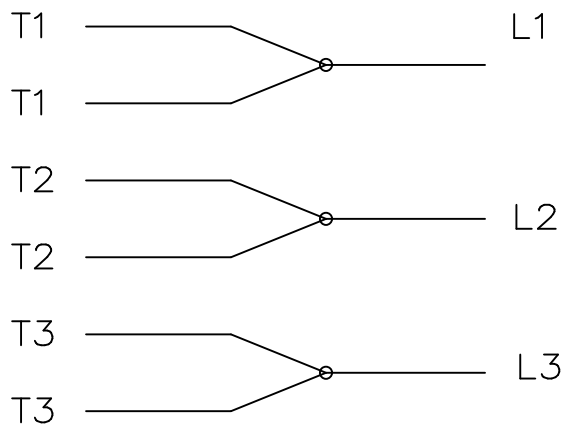
NOTES:
 1. NAMEPLATES TO BE READ FROM CONDUIT BOX
 SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS	NO	REVISION	BY & DATE	CHK	ANG	FINISH	CAD FILE	SIZE	DRAWING NO	REV				
1825	444T	17.75	41.35	14.50	7.25	3	CHANGED CONDUIT BOX PER CN 39608	TAT 05-23-2008	ML	XX	±.03	TITLE OUTLINE - EXP .PR.	B	SS515577LE	3				
2025	445T	19.75	43.35	16.50	8.25	2	REDRAWN IN AUTOCAD ADDED DIST. WA - LE	HLB 10-13-2004	ML	XXX	±.005	444/445T FR. - STD.							
						1	NEW DRAWING	CTO 03-27-2002	XXX	±.0005	MATL								
TOLERANCES UNLESS SPECIFIED: DEC INCHES X ±.1 XX ±.03 XXX ±.005 XXXX ±.0005 ANG ±7'30"												DRAWN CTO 02-20-2002 CHK DRS 03-22-2002 APPR SB 03-25-2002 SCALE 5:32 REF FMF 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 DIST WA		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWING NO SS515577LE		REV 3	

SINGLE VOLTAGE
THREE PHASE MOTOR
WITH 2 LEADS OUT FROM PROTECTORS
PROTECTORS CONNECTED IN SERIES




IF MOTOR HAS
6 LEADS



A-9806 DECAL

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN DRS 01-21-2003		
				DEC.	INCHES		CHK	ML 01-21-2003	
				.X	± -		APPD	TB 01-21-2003	
				.XX	± -		SCALE 1=1		
				.XXX	± -		REF		
1	NEW DRAWING CN 36098	DRS 01-21-2003	TB	.XXXX	± -	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	± -	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	CAD FILE EE7300S-		SIZE	DRAWING NO. PAGE OF	REV.
				DIST LB			A	EE7300S-LE	1



Motor Load Data

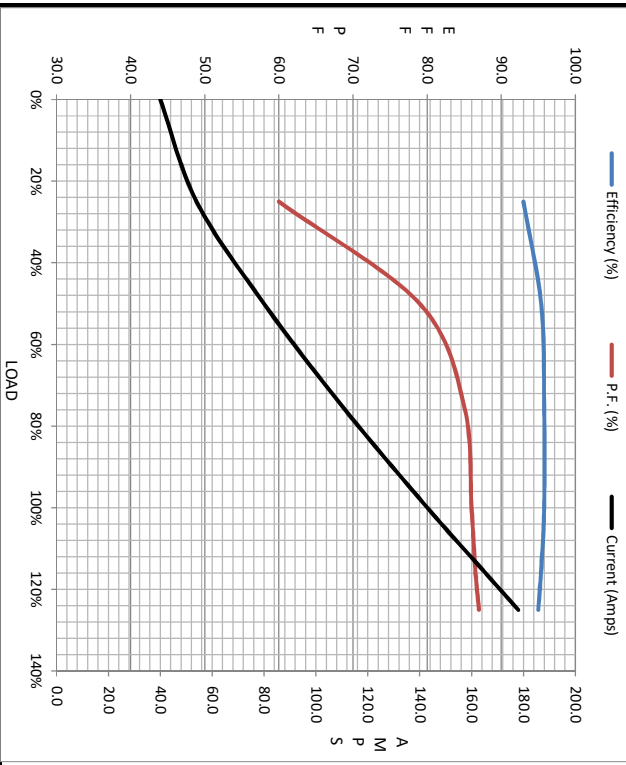
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	40.0	54.0	80.0	110	143	164	178	850
Torque (ft-lb)	0.00	91.5	183	275	368	425	482	480
RPM	1800	1795	1792	1790	1785	1,780	1778	0
Efficiency (%)		93.0	95.4	95.8	95.8	95.4	95.0	
P.F. (%)	5.5	60.0	79.0	85.0	86.0	86.5	87.0	26.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1795	1800
Current (Amps)	850	750	575	143	40.0
Torque (ft-lb)	480	450	368	368	0.00

Information Block

HP	125.0			
Sync. RPM	1800			
Frame	444			
Enclosure	TEFC			
Construction	TFN			
Voltage	460#380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	47.0 lb-Ft ²			
Ref Wdg	T444484 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS515577LE-1825			
Conn. Diag	A-EE7300S-1E			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0280	0.0160	0.2270	0.2080	6.0840



Speed - Torque Curve

