

PRODUCT INFORMATION PACKET



Model No: 171576.60

Catalog No: 171576.60

WATTSAYER® General Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1200 & 1000 RPM,
445T Frame, DP



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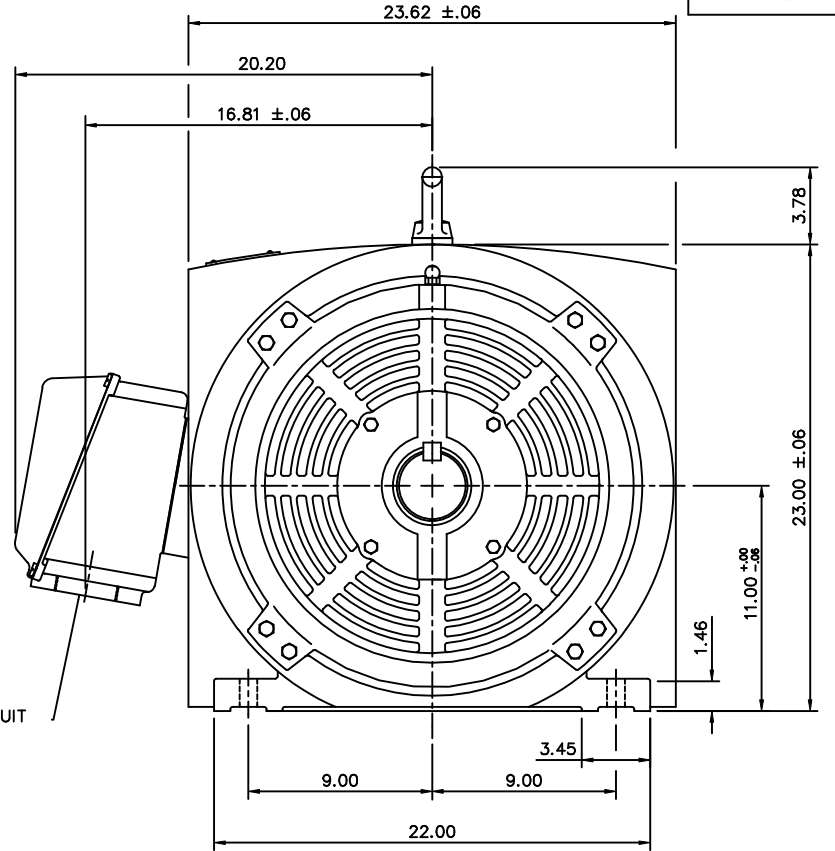
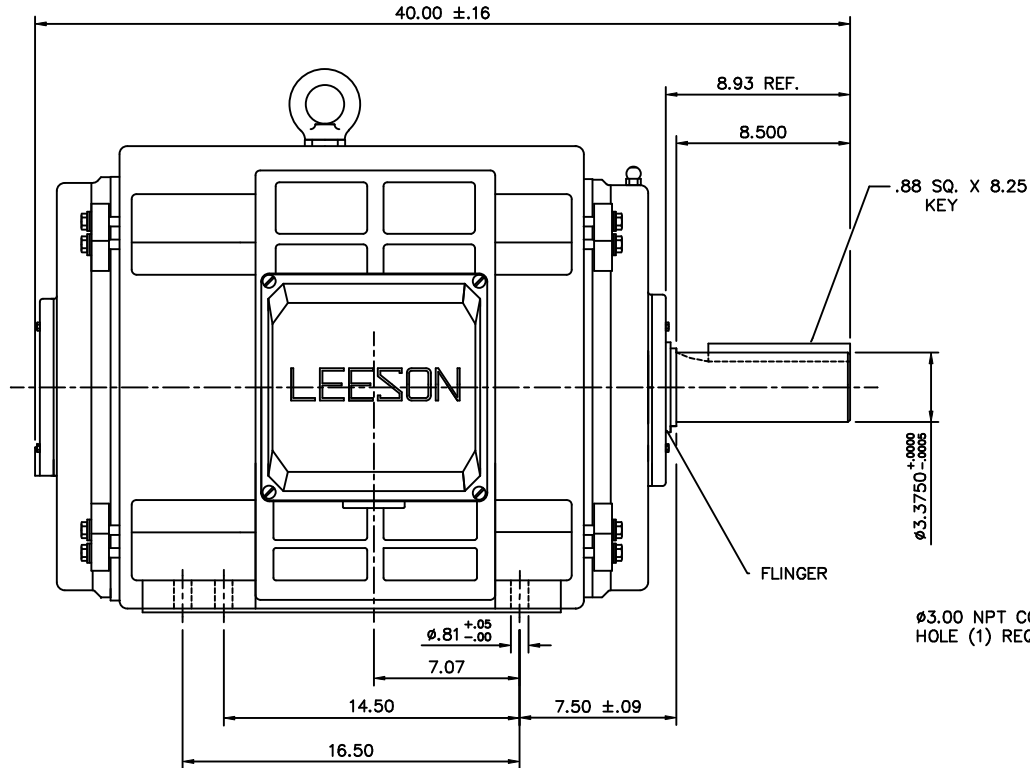
Nameplate Specifications

Phase	3	Output HP	150 & 125 Hp
Output KW	112.0 & 93.0 kW	Voltage	460 & 380 V
Speed	1195 & 995 rpm	Service Factor	1.15 & 1.15
Frame	445T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	178 & 179 A	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	E
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.0248 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	40.00 in
Shaft Diameter	3.375 in	Shaft Extension	8.5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16958260	Connection Drawing	00519001

169582-60



Ø3.00 NPT CONDUIT HOLE (1) REQ'D

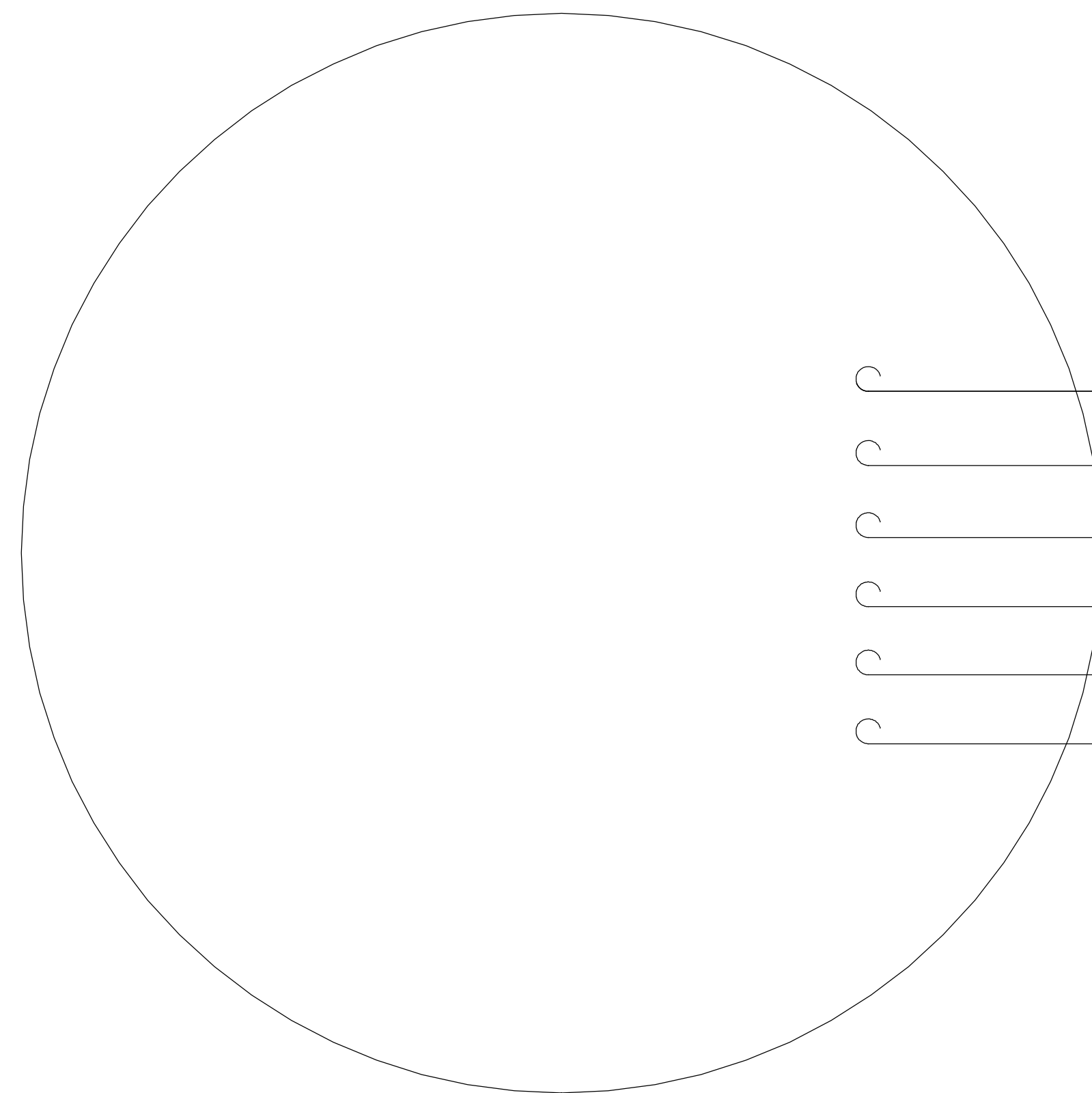
				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION	
				DECIMALS		DRAWN LEM 10/01/99	
				.00	± .03	TITLE OUTLINE - 444T/445T FRAME, OPEN DRIP PROOF, RIGID MOUNT, MEETS NEC/UL CON-BOX VOLUME = 13800 CC	
				.000	± .005	CH'K'D. ADS 10/15/99	
				.0000	± .0005	APPR. ADS 10/15/99	
				FRACTIONS ± 1/64		SCALE 1=6	
				ANGLES ± 1/2°		FINISH	
				INCH/MM		SIZE B	
						DRAWING NO. 169582-60	
						MATERIAL CAST IRON	

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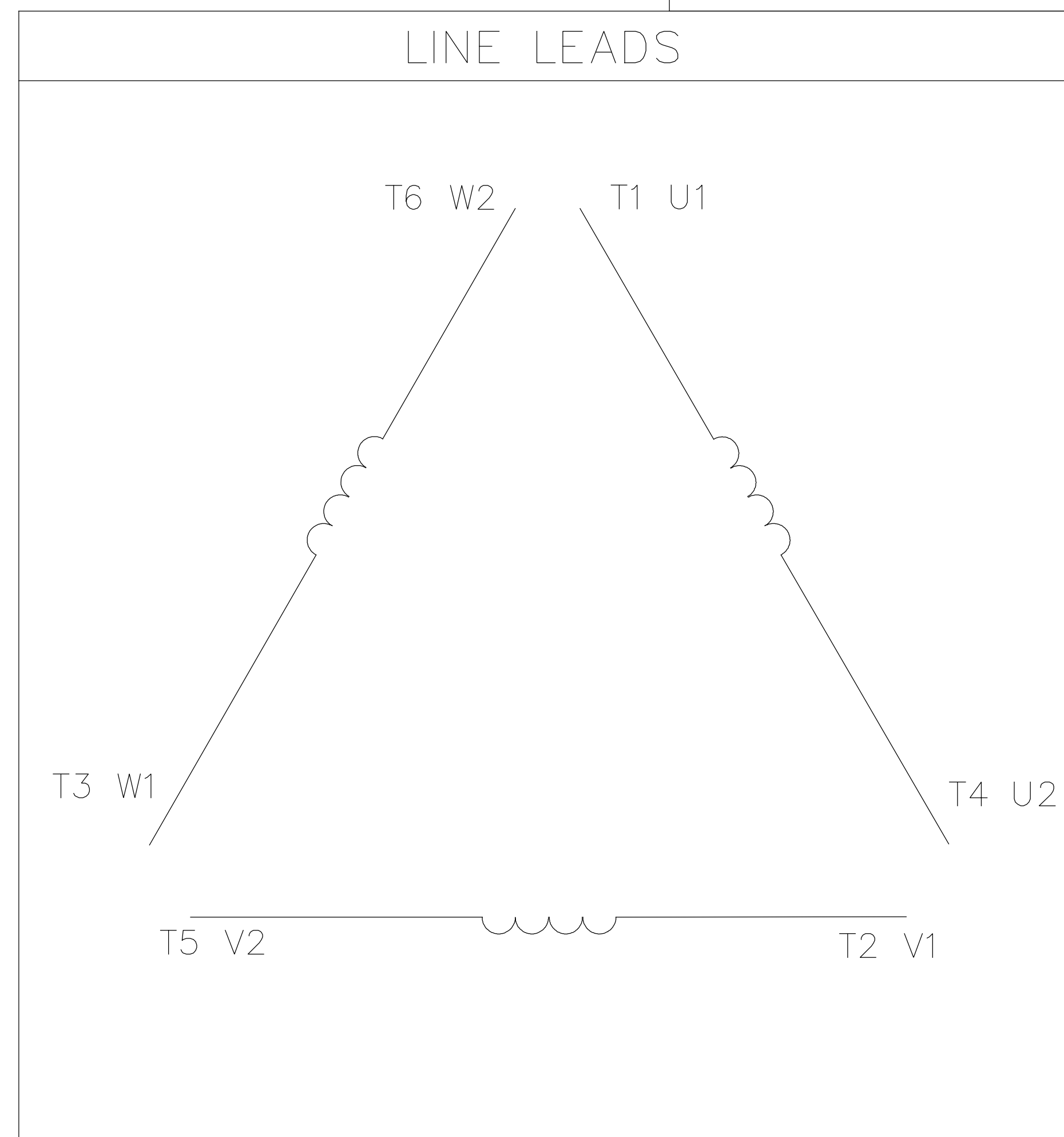
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STACK:

005190-01

LINE LEADS



- T1 U1
- T2 V1
- T3 W1
- T4 U2
- T5 V2
- T6 W2



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION			
				DECIMALS					
04	ADDED MAT'L (CWLE) PER ECO-0168542	DS	6/10/2019			DRAWN PG 05/07/82	EXT. WIRING DIAGRAM STAR START - DELTA RUN		
03	ADDED IEC DESIGNATIONS	MOL	4/27/2012	.00	± .01	CH'K'D. TEM			
02	REMOVED OBSOLETE STATUS	KJH	6/28/99	.000	± .005	APPR. 05/07/82	MAT'L. Y-CONNECTED START (CWLE) DELTA CONNECTED RUN - SINGLE VOLTAGE		
01	REDRAWN ON CAD	DBT	05/30/97	.0000	± .0005	SCALE 1=1			
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	REF. T2E	FINISH	SIZE	DRAWING NO.
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				ANGLES	± 1/2'	FMF	ELECTRO POWER	A	005190-01
				INCH/MM					

Data Sheet

Date: 1/30/2018

171576.60



Data @ 460 V

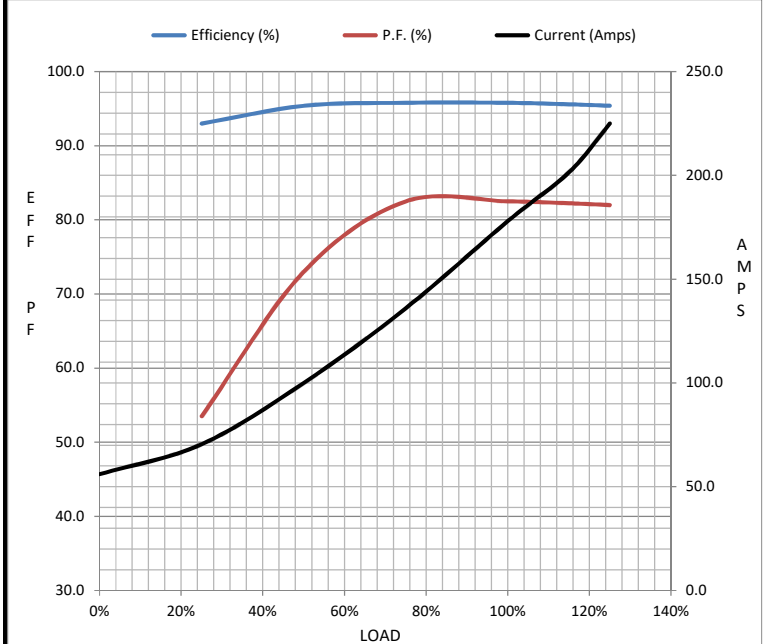
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	56.0	70.5	100	136	178	202	225	945
Torque (ft-lb)	0.00	164	330	494	660	743	826	903
RPM	1200	1198	1197	1196	1195	1,193	1190	0
Efficiency (%)		93.0	95.4	95.8	95.8	95.6	95.4	
P.F. (%)	4.2	53.5	73.0	82.5	82.5	82.3	82.0	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	755	1070	1195	1200
Current (Amps)	945	818	610	178	56.0
Torque (ft-lb)	903	828	1,878	660	0.00

Information Block				
HP	150.0			
Sync. RPM	1200			
Frame	445			
Enclosure	DP			
Construction	TDC			
Voltage	460#380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	46 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T22806006 DR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	16958260			
Conn. Diag	00519001			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

