

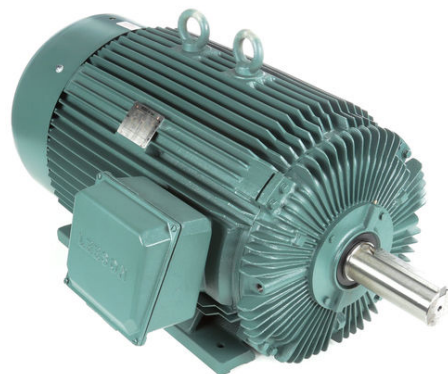
PRODUCT INFORMATION PACKET



Model No: 171579.60

Catalog No: 171579.60

WATTSaver® General Purpose Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM,
447TS Frame, TEFC



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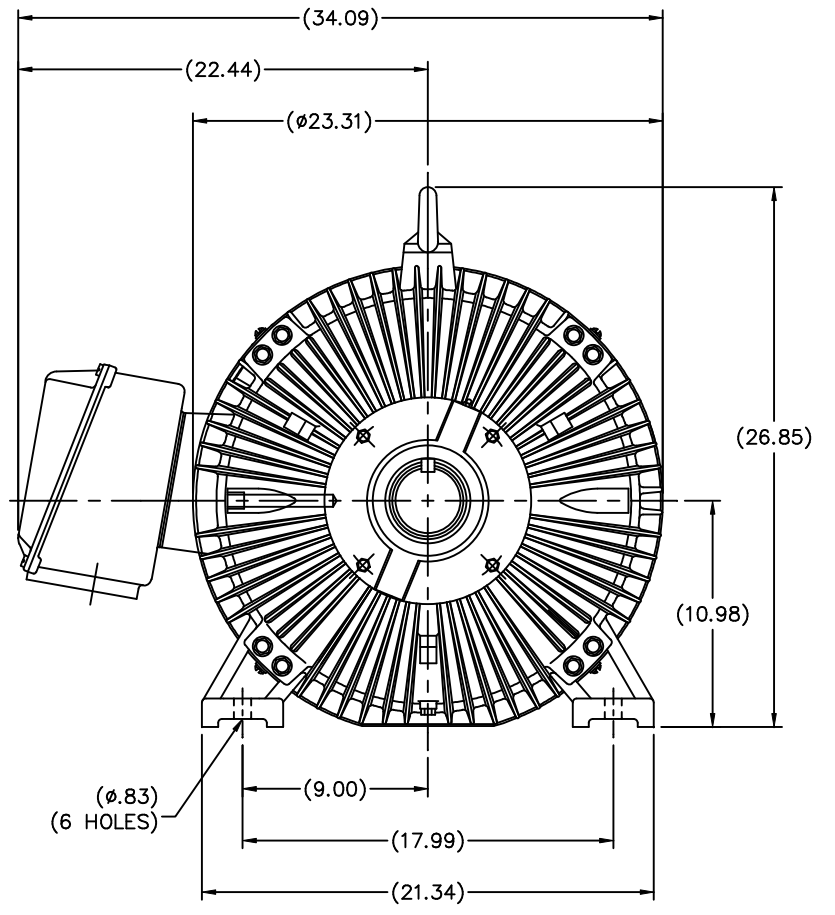
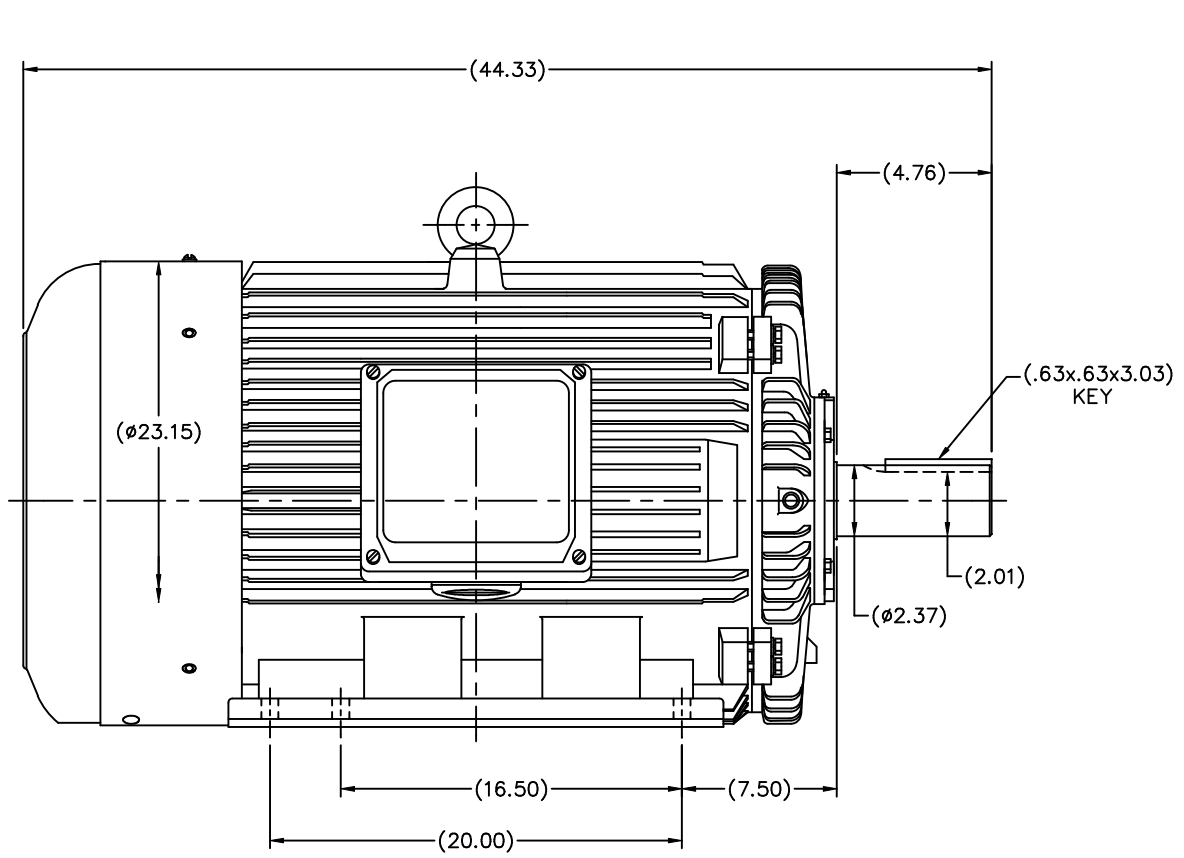
Nameplate Specifications

Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	3580 & 2980 rpm	Service Factor	1.25 & 1.15
Frame	447TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	216 & 194 A	Power Factor	90.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	No	CSA	N
CE	N	IP Code	43
Number of Speeds	1		


Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	44.33 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005190.01	Outline Drawing	B-SS622204LE

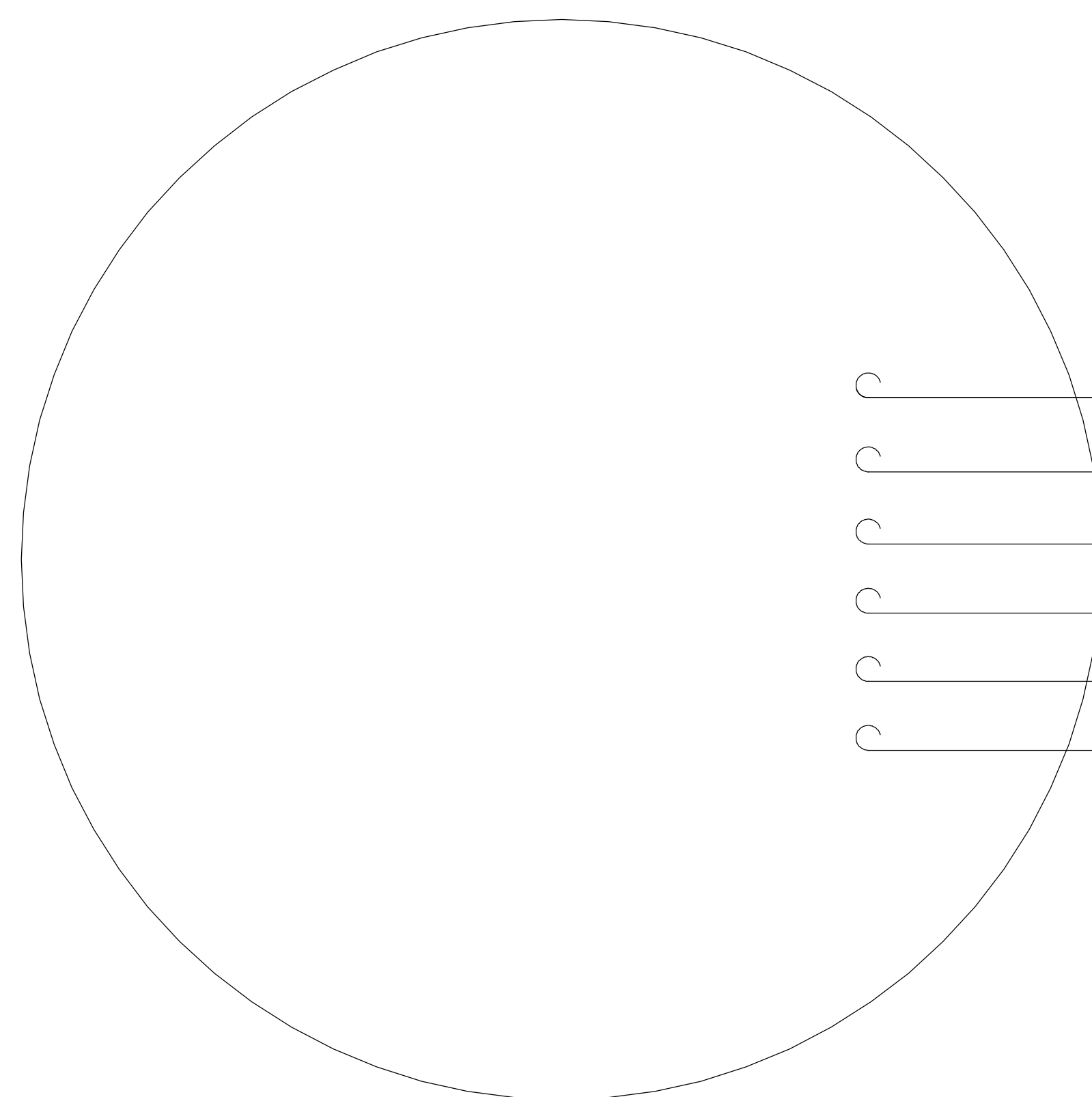
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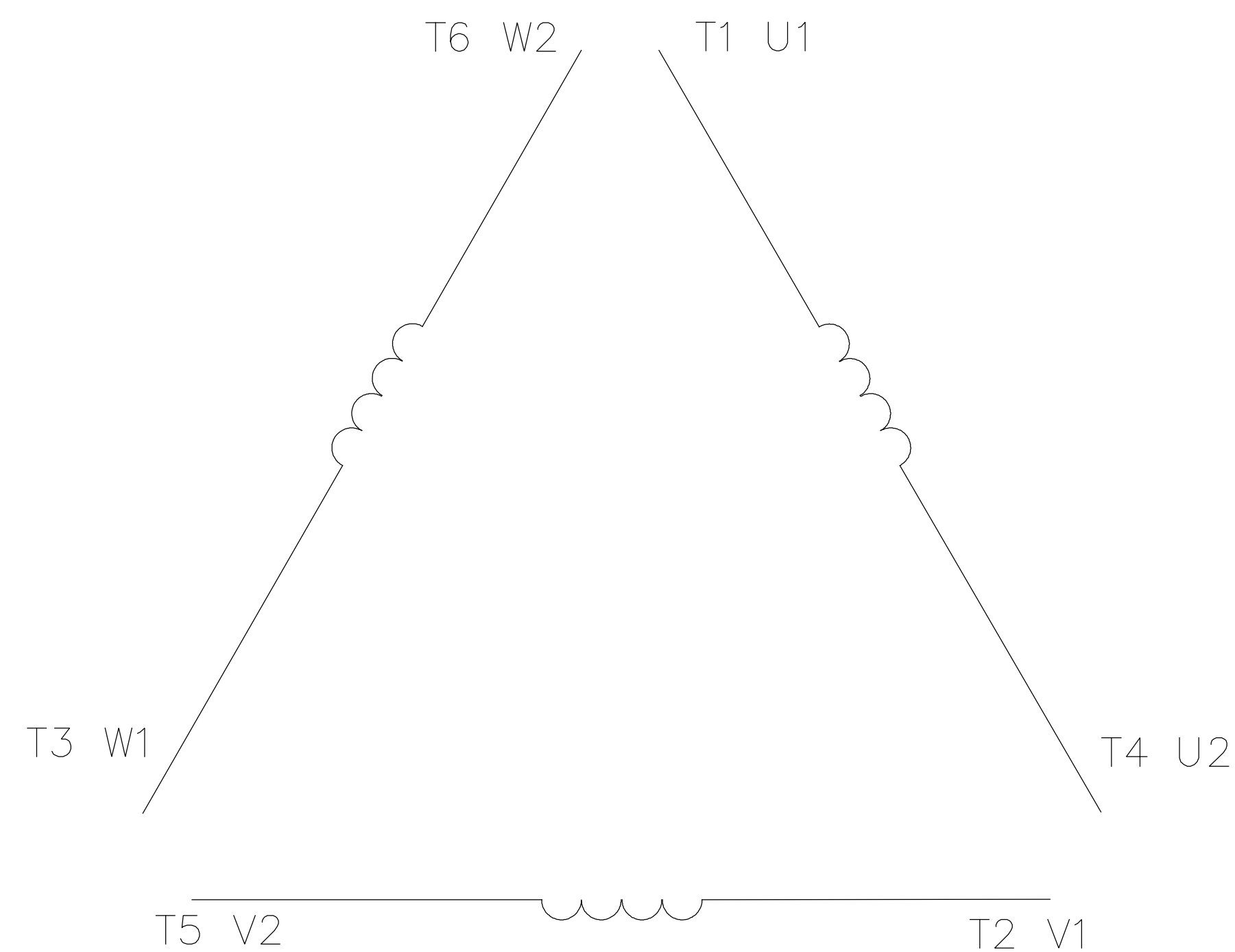
		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MSG 09-05-2007			
	DEC.	INCHES			CHK ML 09-06-2007			
	.X	±.1			APPD SB 09-06-2007			
	.XX	±.03			SCALE 1=6			
	.XXX	±.005			REF (171579.60)			
	.XXXX	±.0005		FMF HEBEI				
NO.	REVISION	BY & DATE	CHK ANG ±7'30"	FINISH	PREV			
THIS 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 SS622204LE	SIZE B	DRAWING NO. SS622204LE	PAGE OF	REV.
			DIST WA					

005190-01



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

LINE LEADS



	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: 1/31/2018

171579.60



Data @ 460 V

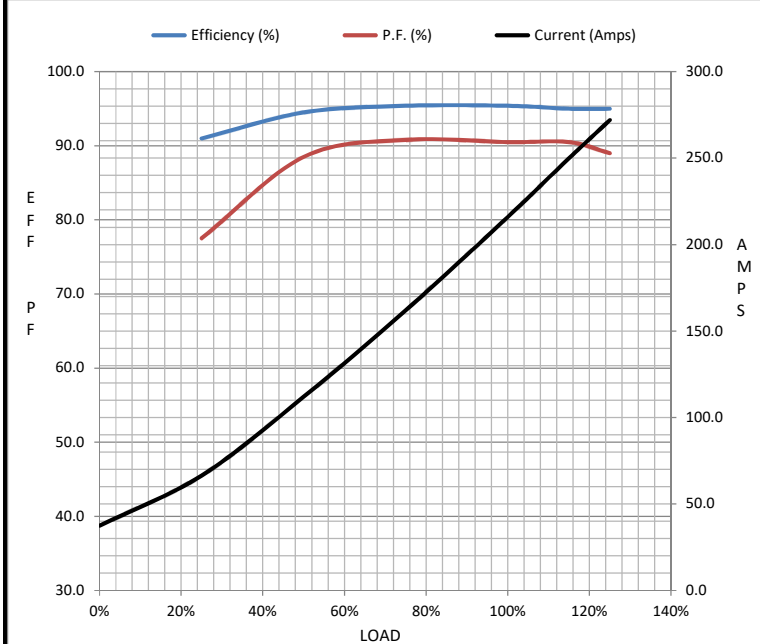
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	37.5	66.5	112	162	216	250	272	1,450
Torque (ft-lb)	0.00	73.0	147	220	293	338	368	426
RPM	3600	3595	3590	3585	3580	3,575	3570	0
Efficiency (%)		91.0	94.5	95.4	95.4	95.0	95.0	
P.F. (%)	11.5	77.5	88.5	90.8	90.5	90.5	89.0	24.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3485	3580	3600
Current (Amps)	1,450	1,385	860	216	37.5
Torque (ft-lb)	426	360	729	293	0.00

Information Block				
HP	200.0			
Sync. RPM	3600			
Frame	447			
Enclosure	TEFC			
Construction	TFC			
Voltage	460#380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T22802005 NONE			
Sound Pressure @ 1M	77 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS622204LE			
Conn. Diag	005190.01			
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

