

PRODUCT INFORMATION PACKET



Model No: 170621.00
Catalog No: 170621.00
125 HP General Purpose Motor, 3 phase, 3600 RPM, 575 V, 444TS Frame, TEFC
General Purpose Motors

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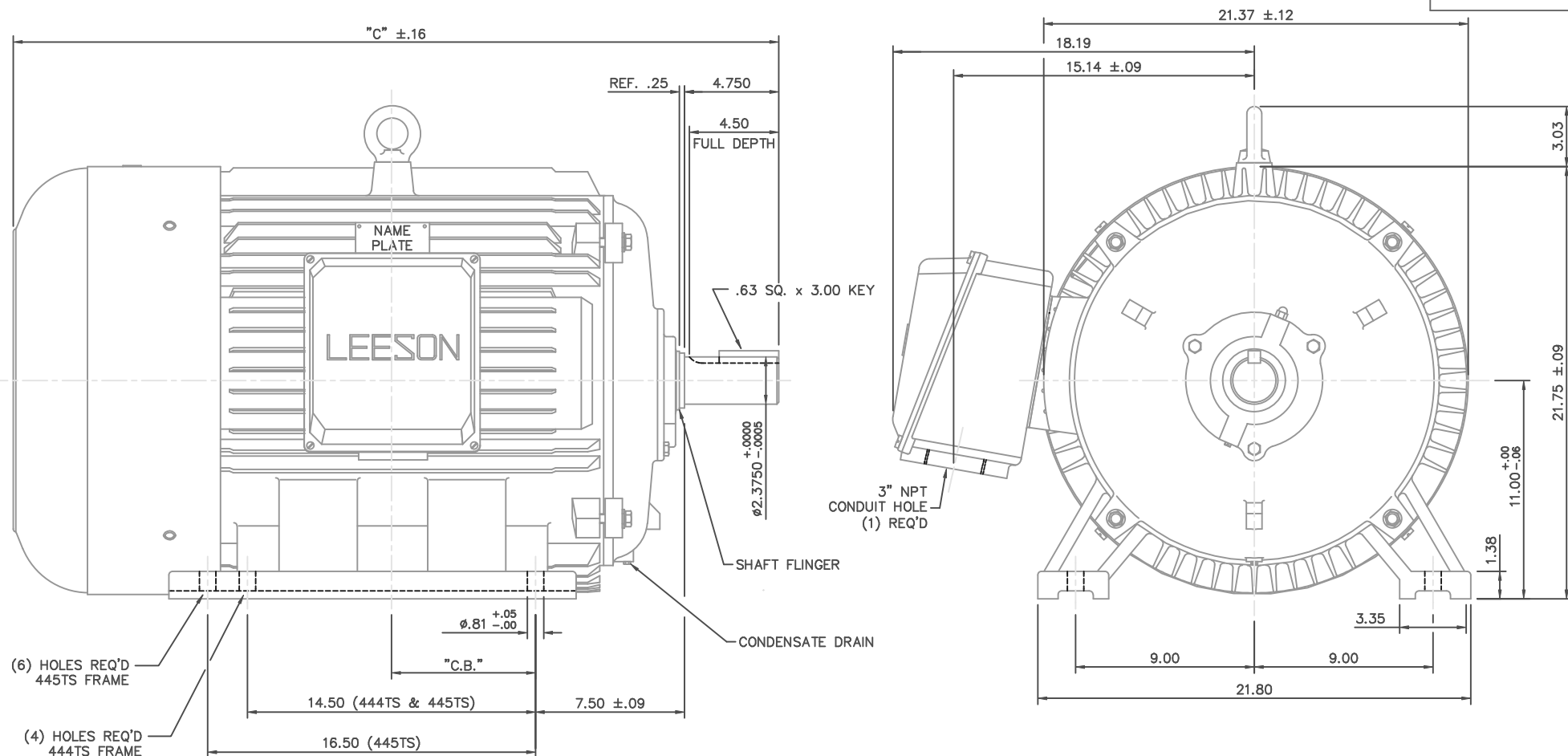
Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	575 V
Current	108.0 A	Speed	3582 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Power Factor	90.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	444TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
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	39.10 in	Shaft Diameter	2.375 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005190.01	Outline Drawing	16954860

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FRAME DESIGN	"C"	"C.B."
444TS	39.10	7.25
445TS	41.11	8.25

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION			
				DECIMALS					
				.00	$\pm .06$	DRAWN	JJK 03/30/99	TITLE OUTLINE - 444TS/445TS FRAME TEFC - RIGID	
				.000	$\pm .005$	CHK'D.		METS NEC/UL REQ. CON-BOX VOL.= 9750 C.C.	
01	ADDED BASE HOLES FOR 445TS FRAME	JJK	07/16/99	.0000	$\pm .0005$	APPR.	PG 03/31/99	MAT'L CAST IRON	
NO.	REVISION	BY	DATE	FRACTIONS	$\pm 1/64$	SCALE	1=5		
				ANGLES	$\pm 1/2^\circ$	REF.	169507	FINISH	SIZE
				INCH/MM		FMF			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				B	169548-60

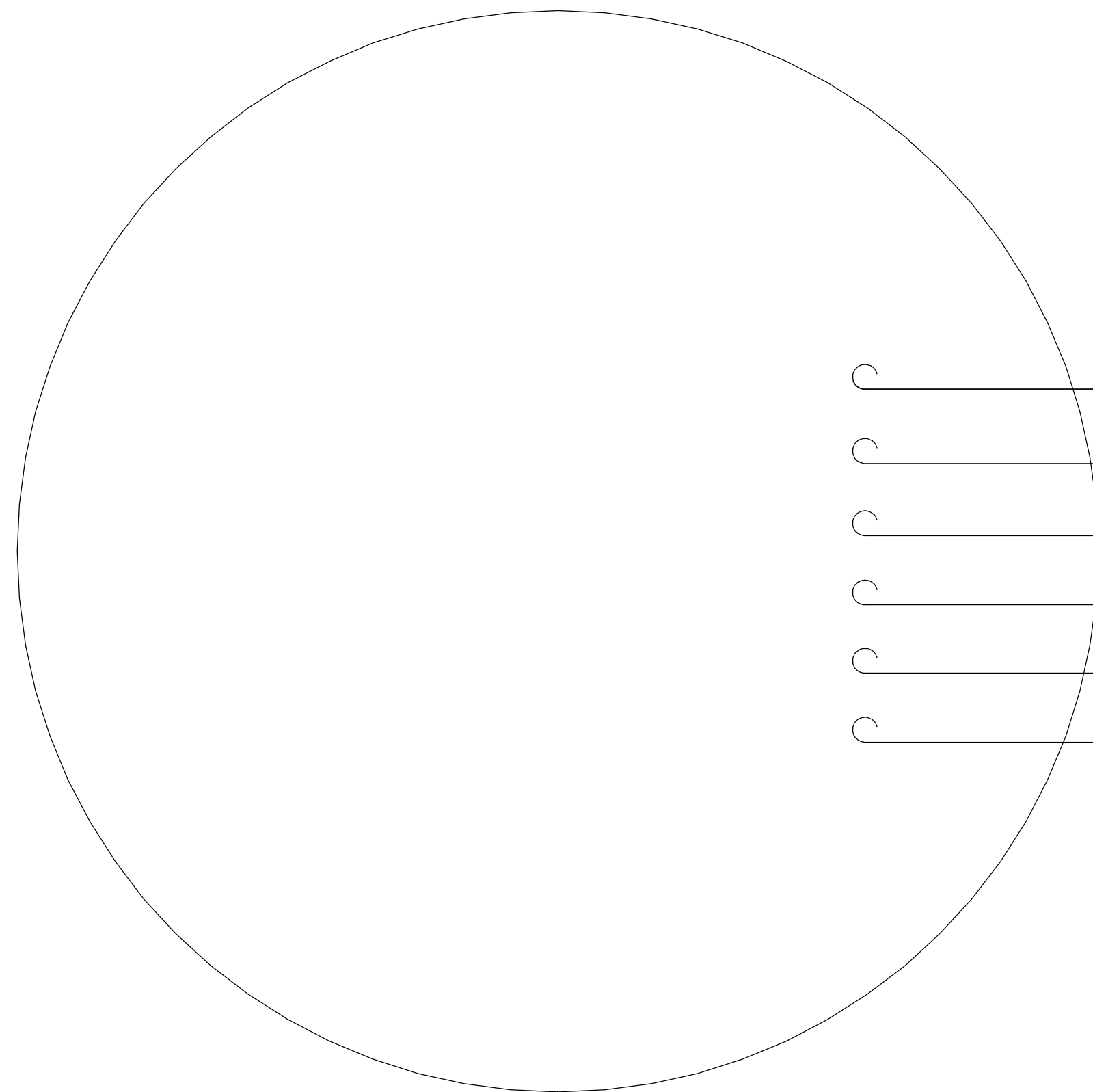
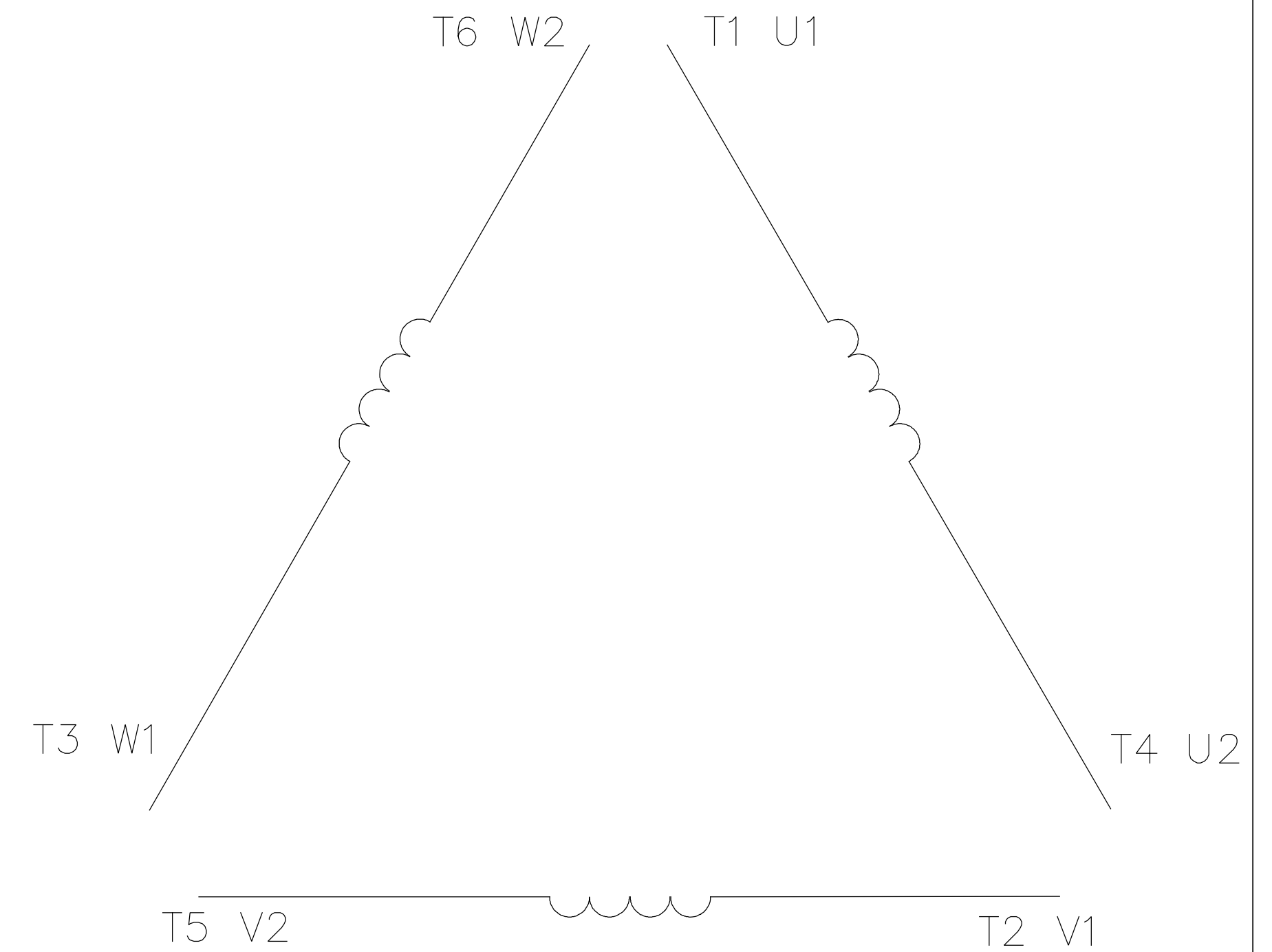


Diagram illustrating a vertical line intersecting six horizontal lines, labeled T1 U1, T2 V1, T3 W1, T4 U2, T5 V2, and T6 W2. A curved arrow points from the vertical line towards the right.



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