

# PRODUCT INFORMATION PACKET



Model No: 171449.00

Catalog No: 171449.00

General Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 405TS Frame,  
DP



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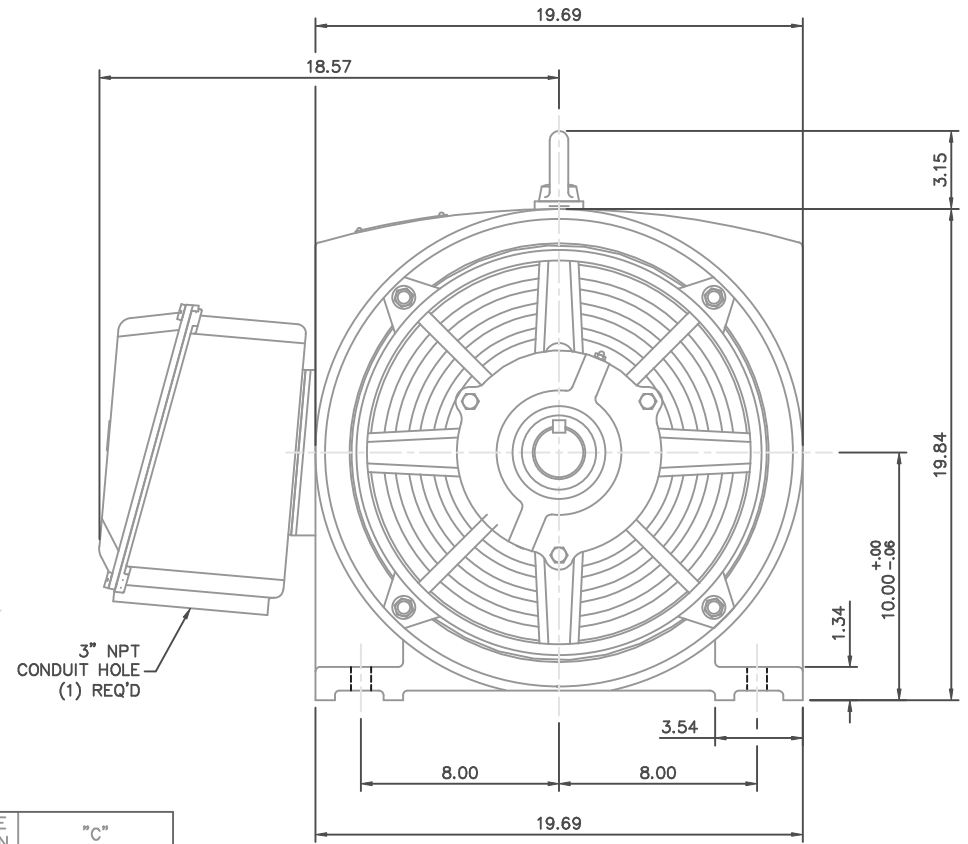
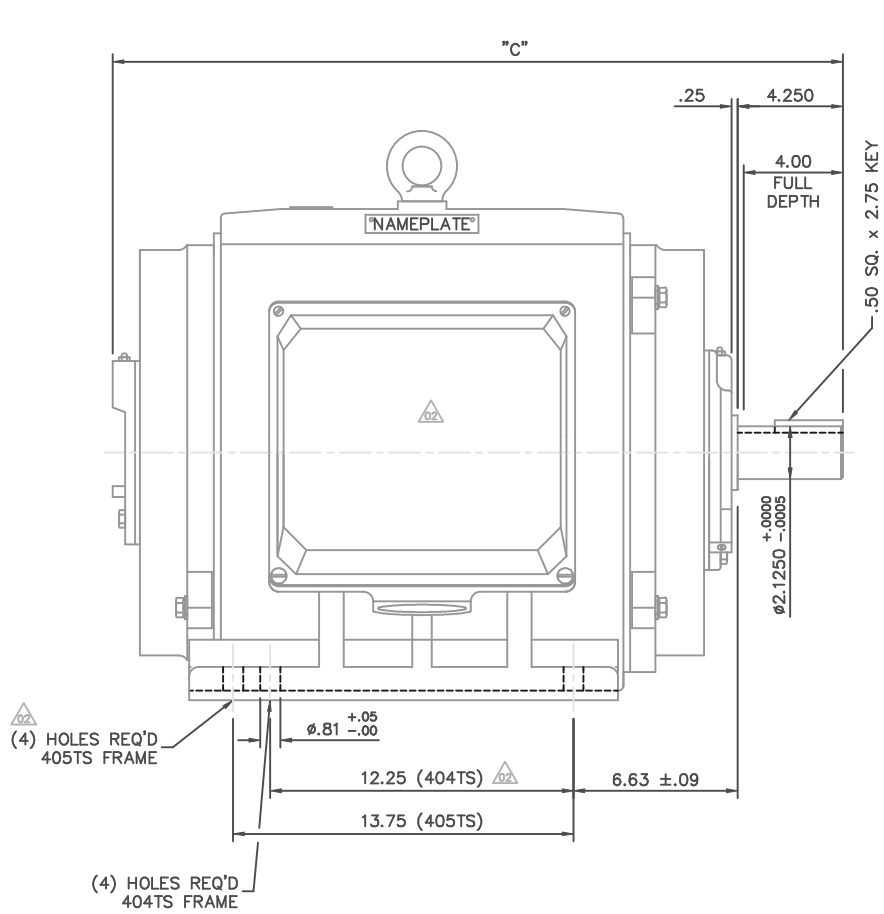


## Nameplate Specifications

Phase	3	Output HP	150 & 125 Hp
Output KW	112.0 & 93.0 kW	Voltage	460 & 380 V
Speed	3560 & 2950 rpm	Service Factor	1.15 & 1.15
Frame	405TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	169 & 171 A	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

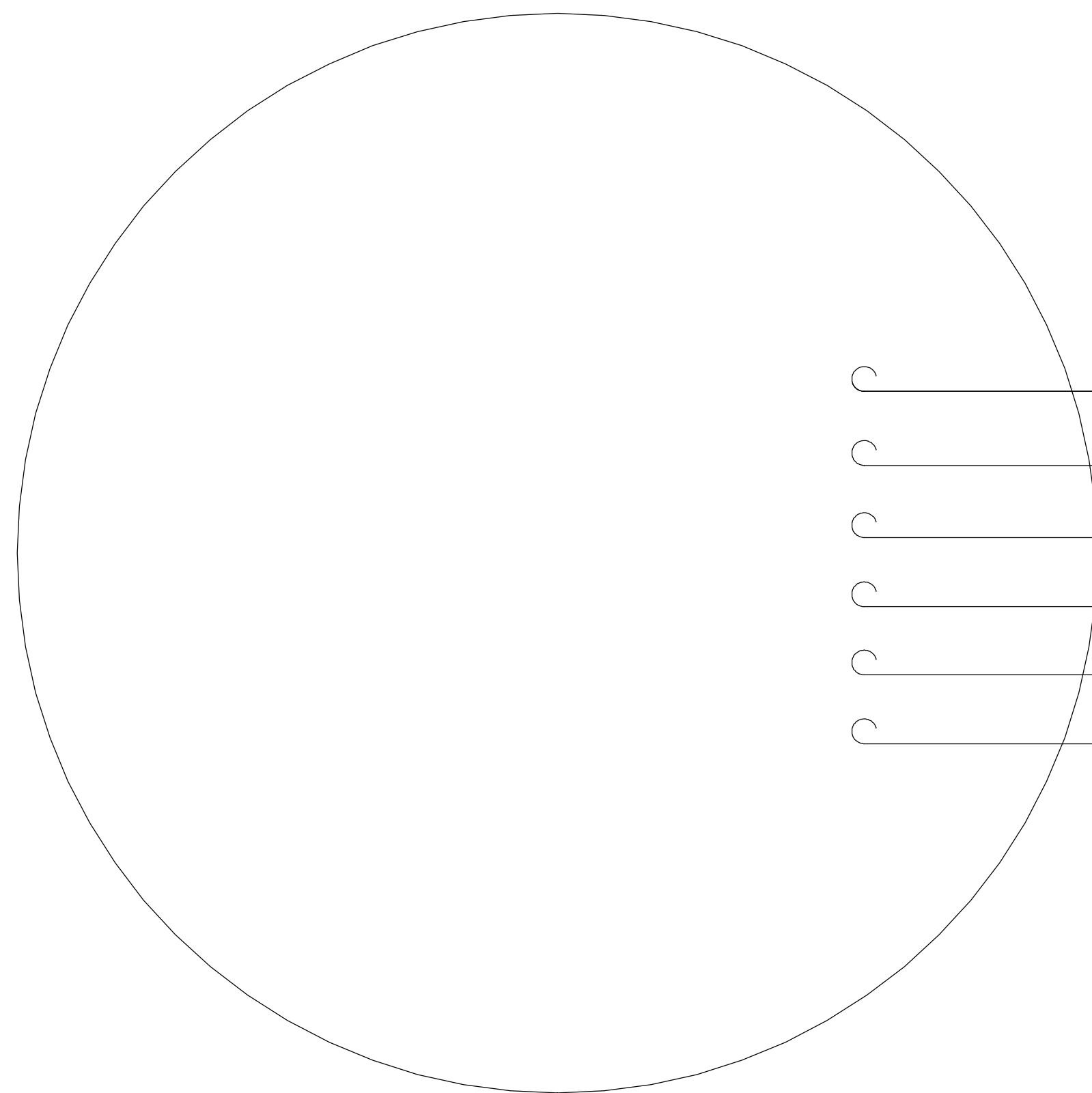
## Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.0298 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	31.26 in
Shaft Diameter	2.125 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 Only		
Connection Drawing	005190.01	Outline Drawing	16955960

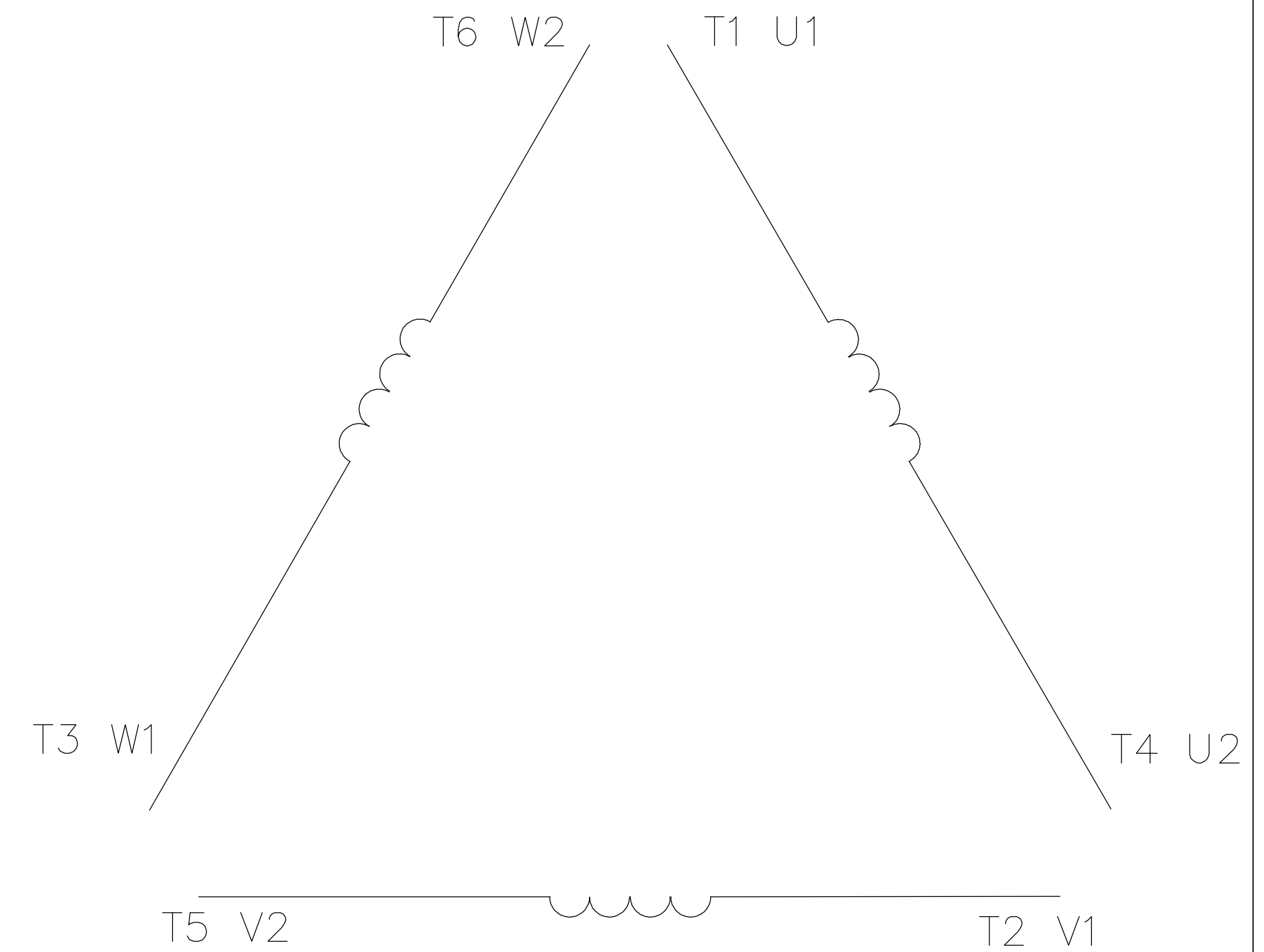


FRAME DESIGN	"C"
404TS	29.76
405TS	31.26

			TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JJK 04/06/99	
			DEC.	INCHES			CHK JK 04/06/99	
			.X	±.1	TITLE	OUTLINE-400TS FRAME DRIP PROOF- RIGID	APPD PG 04/07/99	
			.XX	±.01			SCALE	
02	405TS FRAME WAS 6 HOLES & REMOVE LEESON LOGO	LST 10/2/02	.XXX	±.005	MAT'L	CAST IRON	REF 169520	
01	ADDED HOLES FOR 405TS BASE	JK 07/16/99	.XXXX	±.0005			FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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 16955960			SIZE B	DRAWING NO. 169559-60
			DIST					REV. 02



A diagram of a multi-ported device. It consists of a central vertical curved line representing the device body. Six horizontal lines extend from the left side of the device, each labeled with a 'C' at its left end. These lines are labeled on the right side as T1 U1, T2 V1, T3 W1, T4 U2, T5 V2, and T6 W2. The labels are arranged in pairs, with the 'T' label closer to the device and the 'U' or 'V' or 'W' label further to 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			