

PRODUCT INFORMATION PACKET



Model No: 170254.00

Catalog No: 170254.00

Obsolete replaced by 405TSTFCD6005 100 HP 3600 575 TEFC 405TS PREM EFF
General Purpose Motors



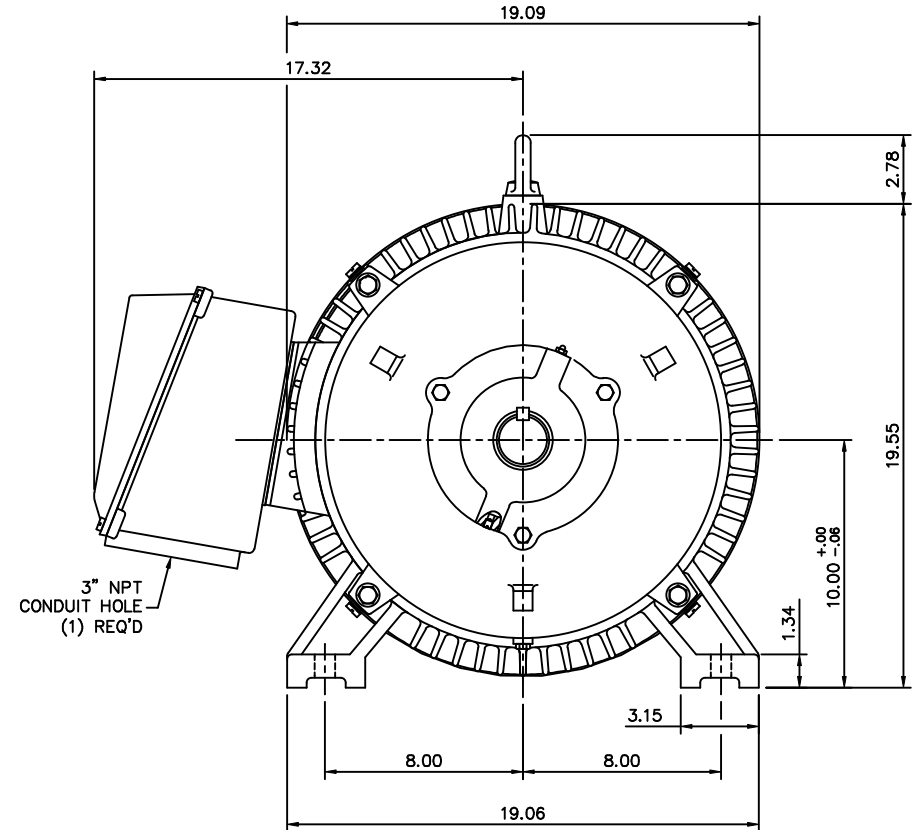
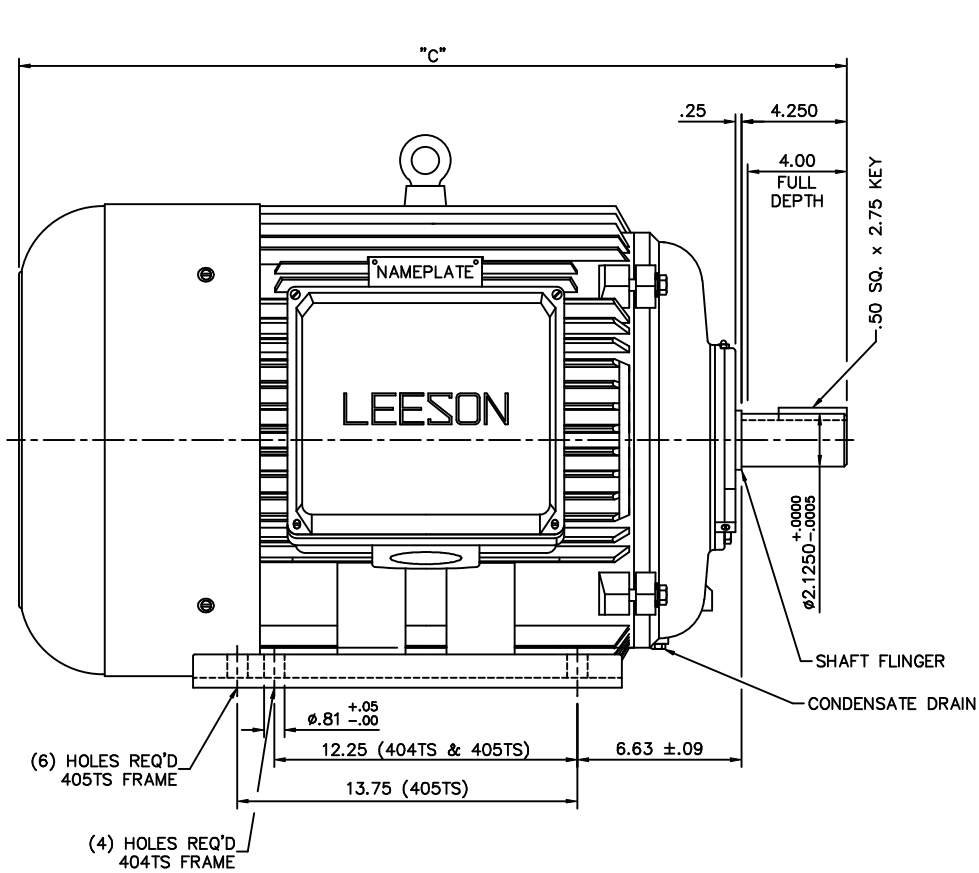
Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	575 V
Current	85.5 A	Speed	3578 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	405TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6316	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	34.92 in	Shaft Diameter	2.125 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	16954660	Connection Drawing	005190.01

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FRAME DESIGN	"C"
404TS	33.43
405TS	34.92

				TOLERANCES UNLESS OTHERWISE SPECIFIED				LEESON ELECTRIC CORPORATION			
				DECIMALS							
				.00	± .06	DRAWN JJK 03/30/99		TITLE OUTLINE - 400TS FRAME			
				.000	± .005	CHK'D.		TEFC - RIGID			
01 ADDED BASE HOLES FOR 405TS FRAME				.0000	± .0005	APPR. PG 03/31/99		MATERIAL CAST IRON			
NO. REVISION				BY	DATE	FRACTIONS ± 1/64		SCALE 1=5			
						ANGLES ± 1/2"		REF. 169506		FINISH	
						INCH/MM		FMF		SIZE B	
										DRAWING NO. 169546-60	

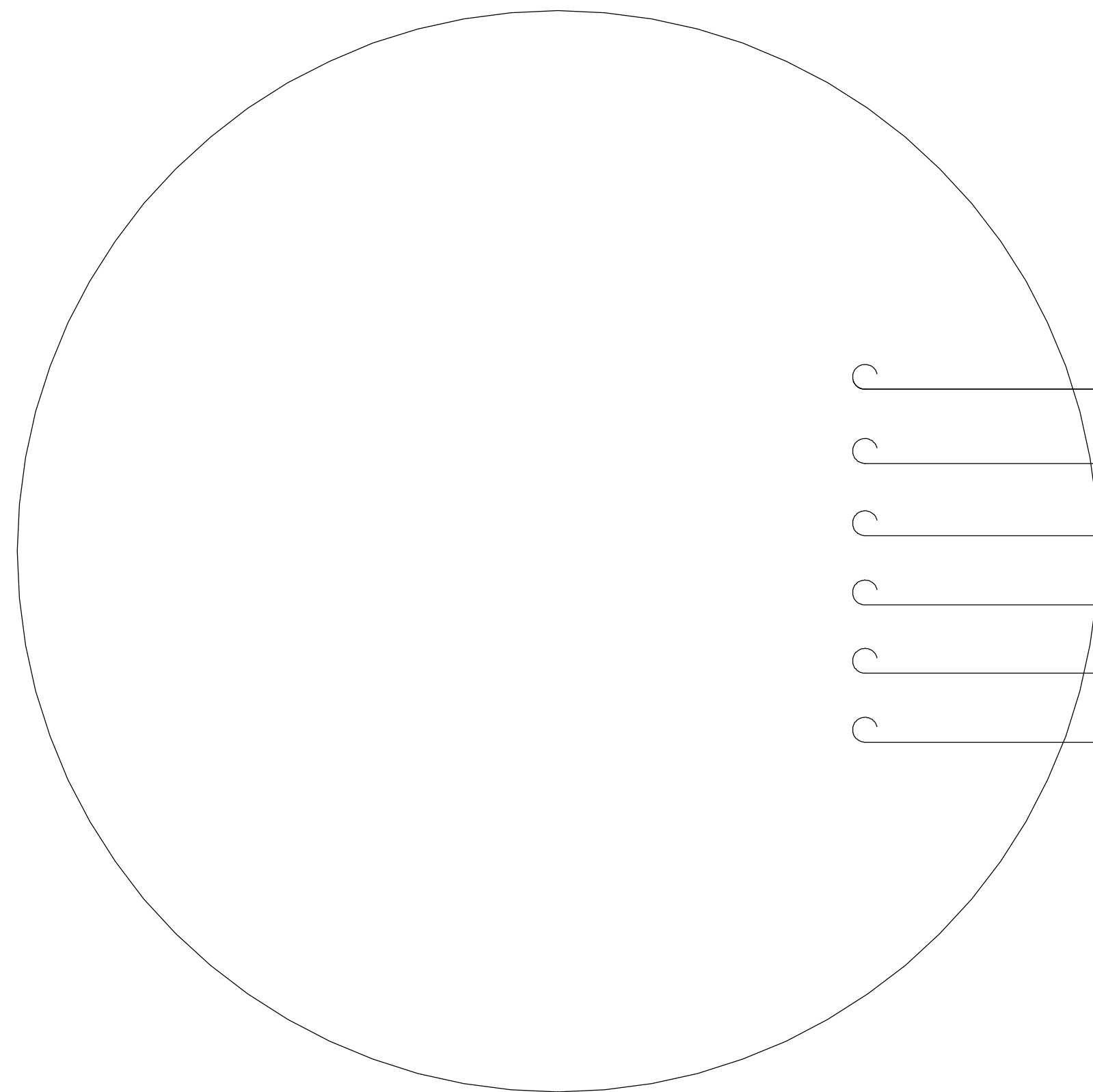
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OFFENDING COMMAND: --nostringval--

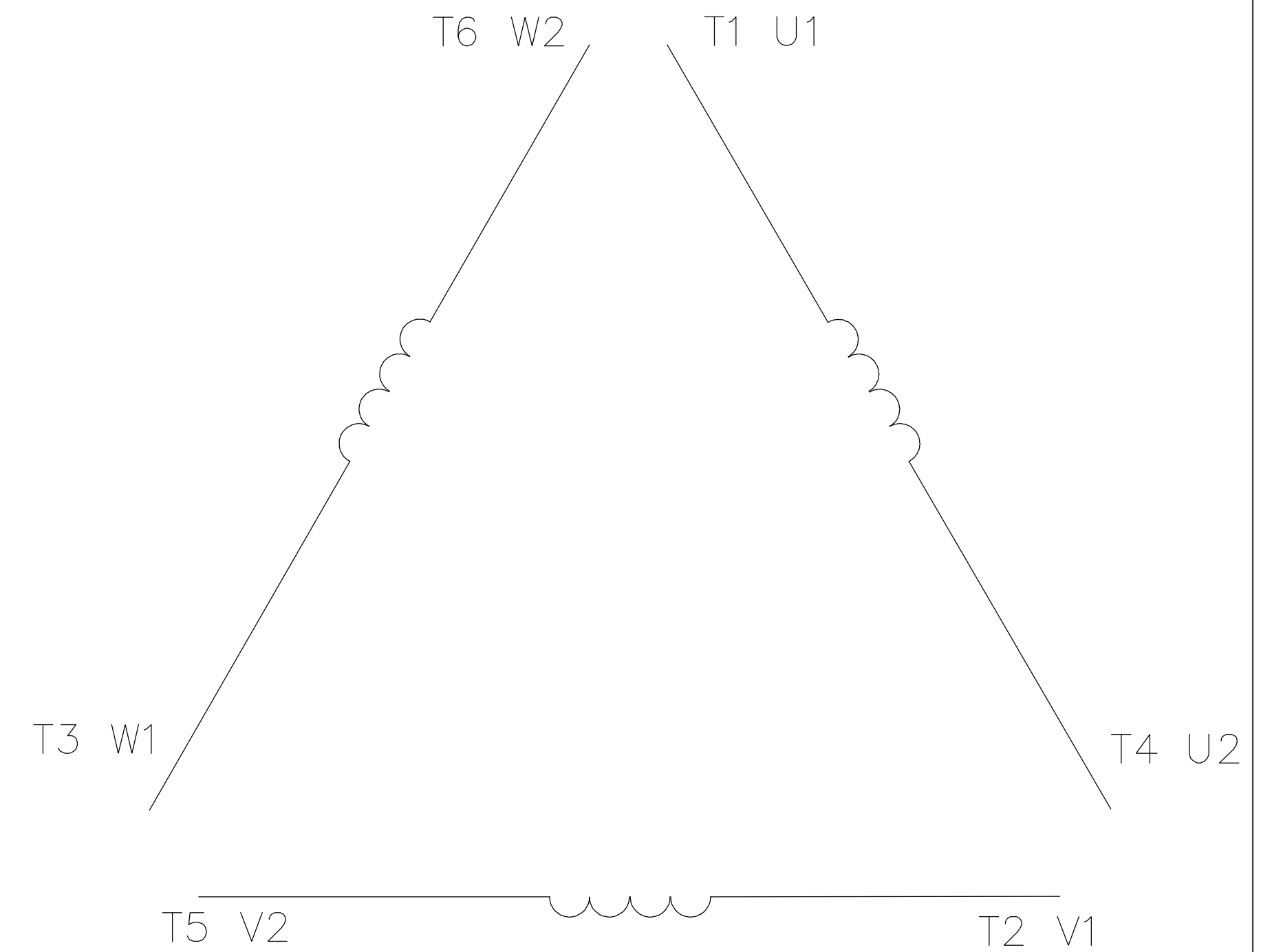
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005190-01



C	T1	U1
C	T2	V1
C	T3	W1
C	T4	U2
C	T5	V2
C	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		<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	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	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			