

PRODUCT INFORMATION PACKET



Model No: 170120.00

Catalog No: 170120.00

****OBSOLETE, REPLACED BY 324TTFC6030**** 40 HP..1780 RPM.324T.TEFC.575 VAC.3 PH.60 HZ.....

General Purpose Motors



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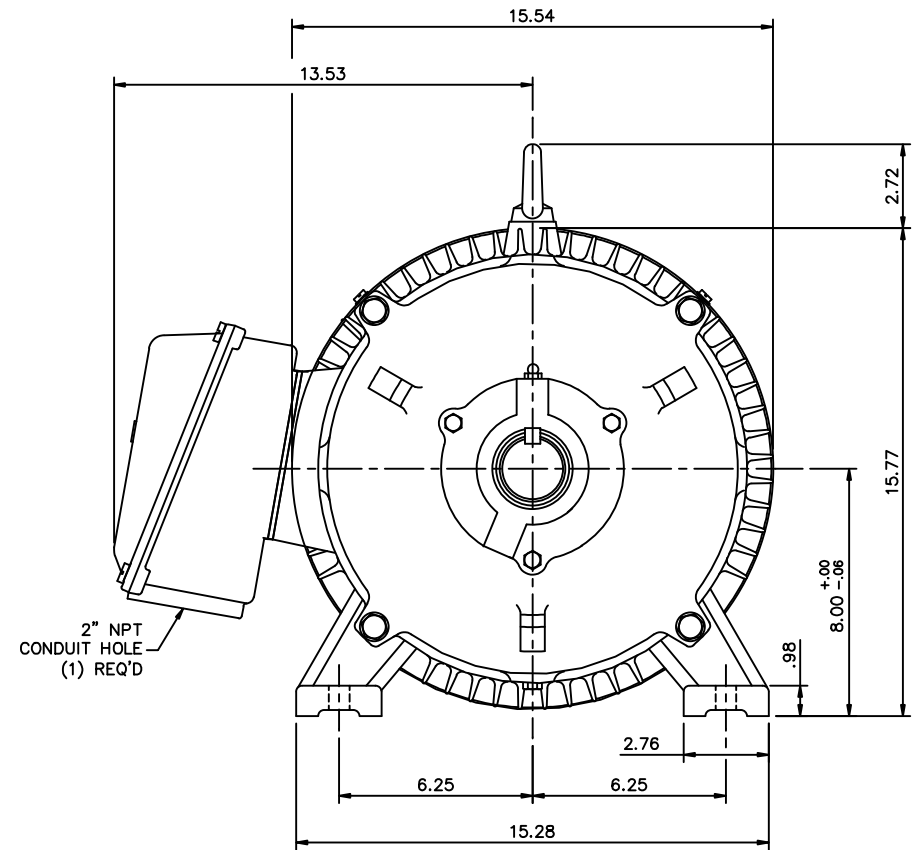
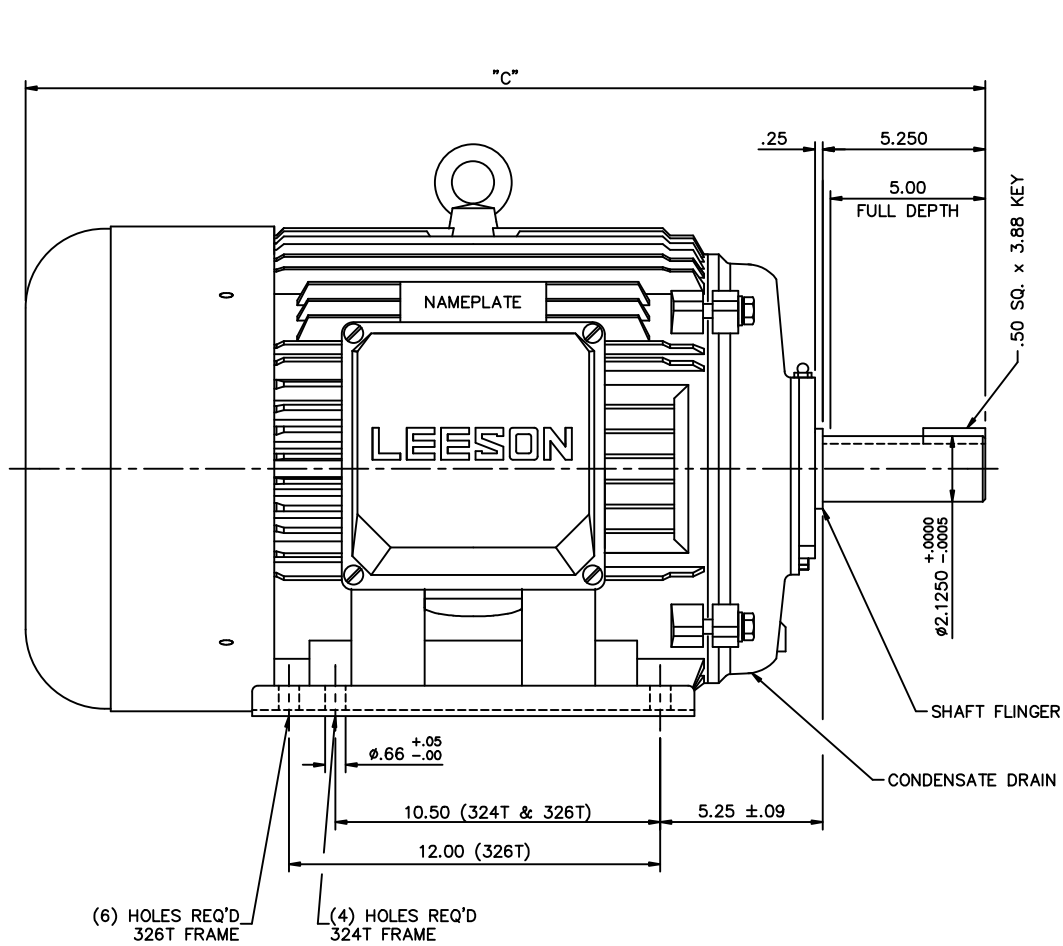
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	575 V
Current	38.0 A	Speed	1778 rpm
Service Factor	1.15	Phase	3
Efficiency	94.7 %	Power Factor	86.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
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	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	29.53 in	Shaft Diameter	2.125 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005190.01	Outline Drawing	16954160

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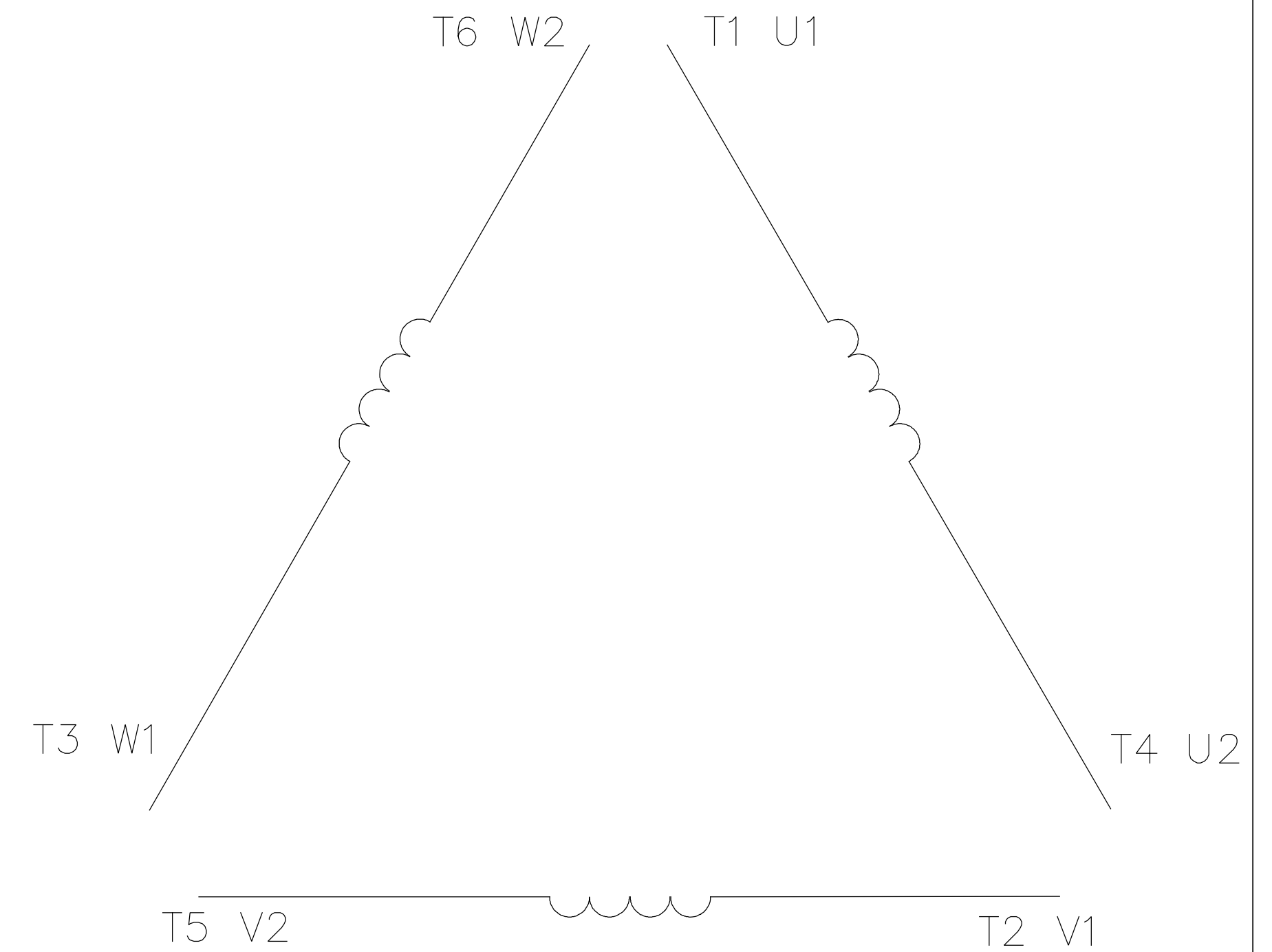


FRAME DESIGN	"C"
324T	29.53
326T	31.02

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION		
				DECIMALS				
				.00	$\pm .06$	DRAWN JJK 03/29/99	TITLE	
				.000	$\pm .005$	CHK'D.	OUTLINE - 320T FRAME	
				.0000	$\pm .0005$	APPR. PG 03/31/99	TEFC - RIGID	
01	ADDED HOLES FOR 326T BASE	JJK	07/13/99	FRACTIONS	$\pm 1/64$	SCALE	MAT'L	
NO.	REVISION	BY	DATE	ANGLES	$\pm 1/2^\circ$	REF. 169504	CAST IRON	
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.				INCH/MM	FINISH	SIZE	DRAWING NO.	
						B	169541-60	



A diagram of a multi-ported device. On the left, there are six ports labeled 'C'. On the right, there are six pairs of ports labeled 'T1 U1', 'T2 V1', 'T3 W1', 'T4 U2', 'T5 V2', and 'T6 W2'. A curved line separates the 'C' ports from the 'T' and 'U/V/W' ports.



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