PRODUCT INFORMATION PACKET

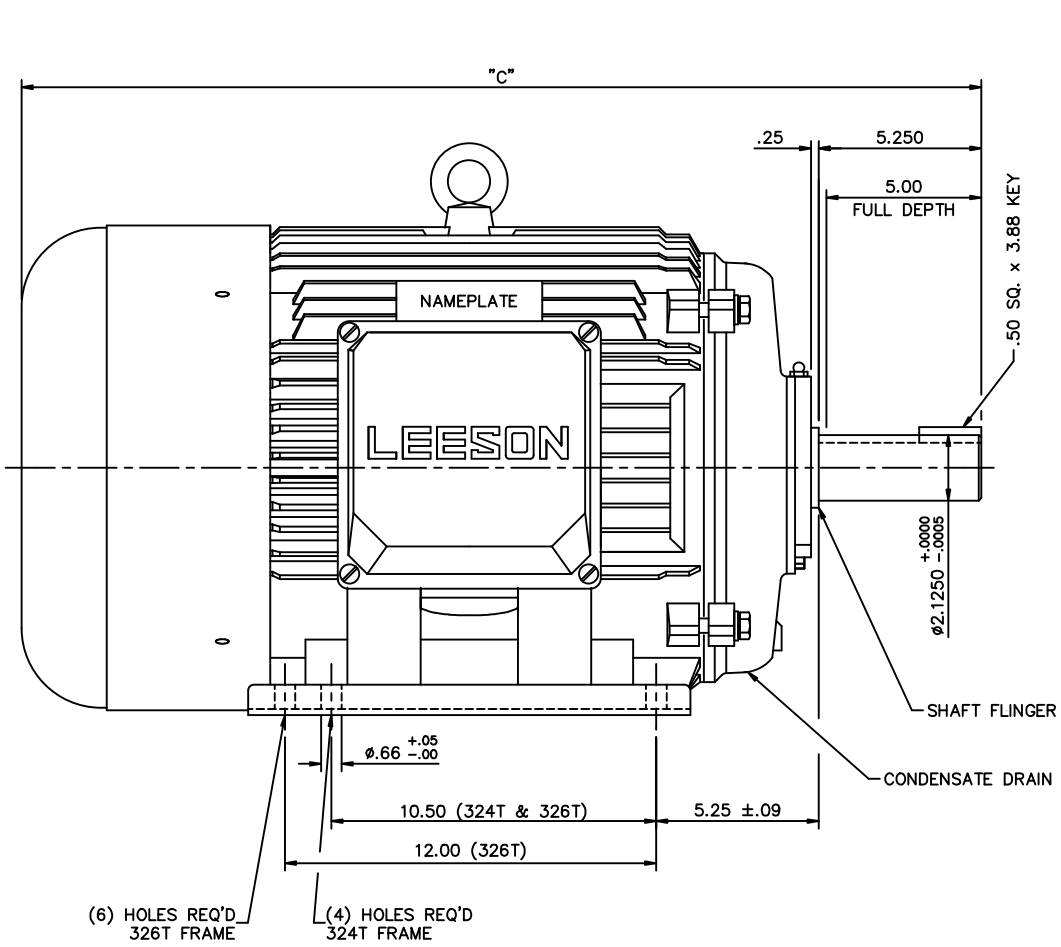
Model No: 170120.00
Catalog No: 170120.00
OBSOLETE, REPLACED BY 324TTFCD6030 40 HP..1780 RPM.324T.TEFC.575 VAC.3 PH.60 HZ.....
General Purpose Motors

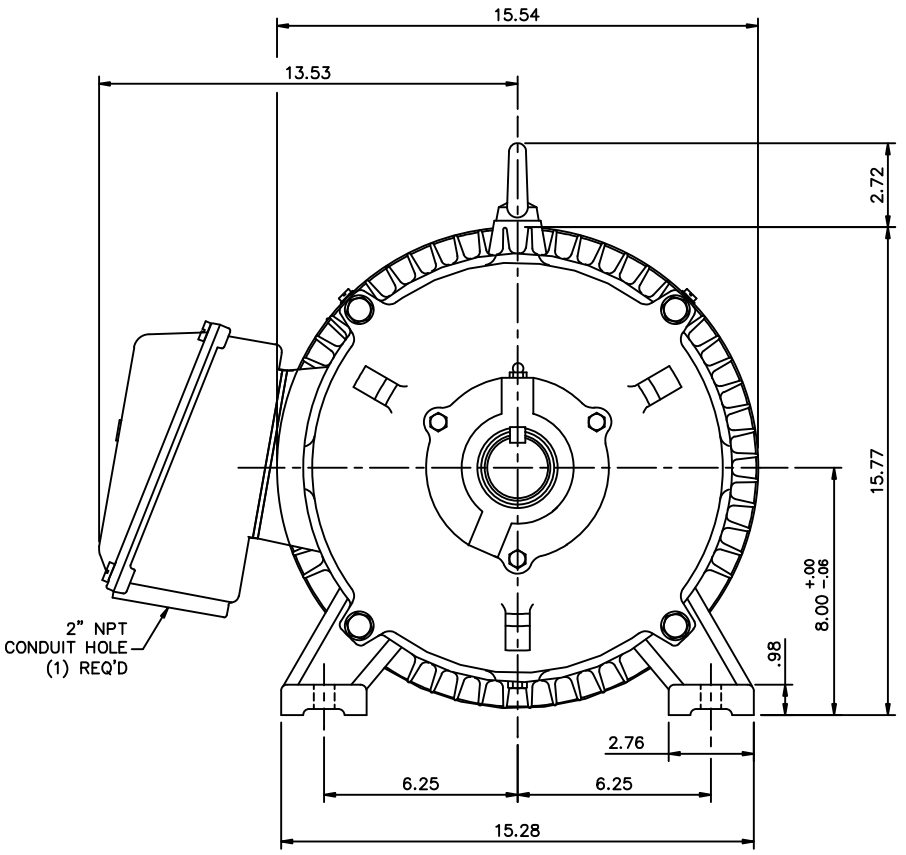
Nameplate Specifications

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





FRAME DESIGN	"C"
324T	29.53
326T	31.02

NO.	REVISION	BY	DATE
01	ADDED HOLES FOR 326T BASE	JJK	07/13/99

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMALS

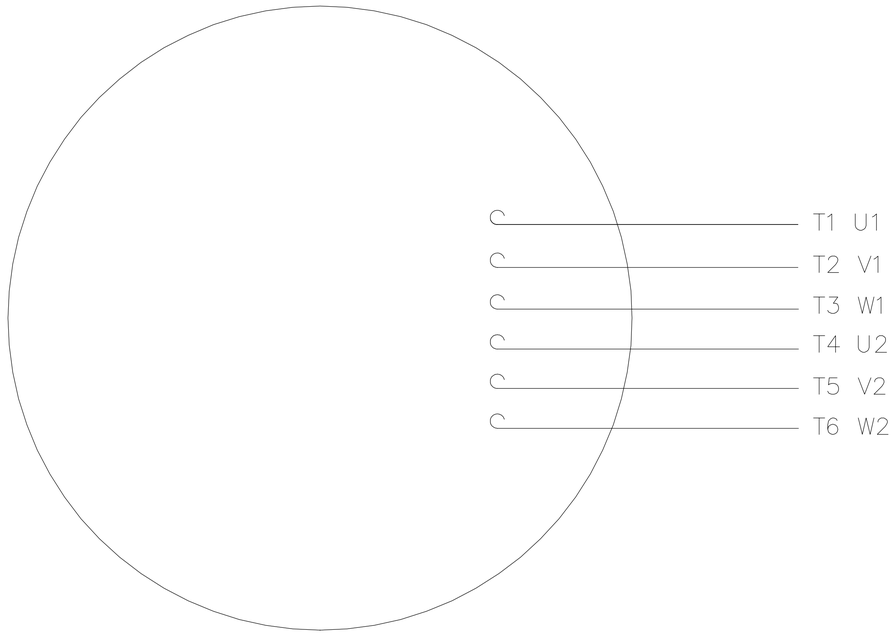
.00	± .06
.000	± .005
.0000	± .0005
FRACTIONS	± 1/64
ANGLES	± 1/2°
INCH/MM	

LEESON ELECTRIC CORPORATION

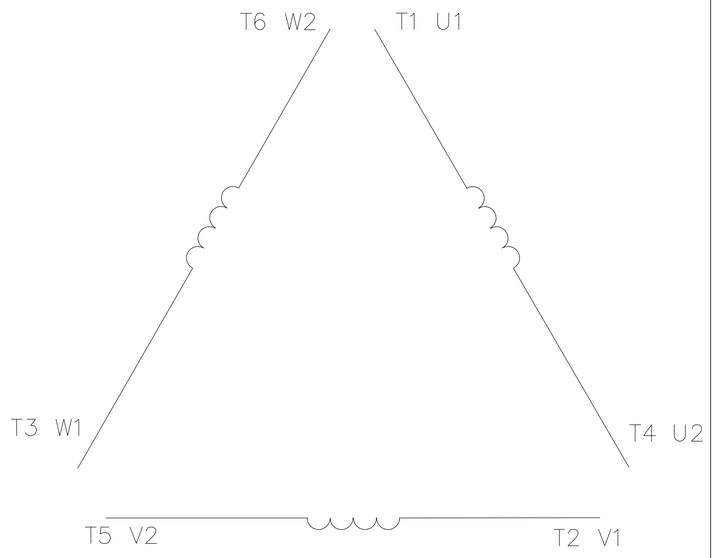
DRAWN JJK 03/29/99
CH'K'D.
APPR. PG 03/31/99
SCALE 1=4
REF. 169504
FMF

TITLE: OUTLINE – 320T FRAME TEFC – RIGID
MAT'L.: CAST IRON
FINISH:
SIZE: B
DRAWING NO.: 169541-60

005190-01



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)	

NO.	REVISION	BY	DATE
04	ADDED MAT'L (CWLE) PER ECO-0168542	DS	6/10/2019
03	ADDED IEC DESIGNATIONS	MOL	4/27/2012
02	REMOVED OBSOLETE STATUS	KJH	6/28/99
01	REDRAWN ON CAD	DBT	05/30/97

TOLERANCES UNLESS OTHERWISE SPECIFIED	
DECIMALS	
.00	± .01
.000	± .005
.0000	± .0005
FRACTIONS	± 1/64
ANGLES	± 1/2°
INCH/MM	

LEESON ELECTRIC CORPORATION

DRAWN PG 05/07/82	TITLE: EXT. WIRING DIAGRAM STAR START – DELTA RUN
CH'K'D. TEM	
APPR. 05/07/82	MAT'L. Y-CONNECTED START (CWLE) DELTA CONNECTED RUN – SINGLE VOLTAGE
SCALE 1=1	
REF. T2E	FINISH
FMF ELECTRO POWER	SIZE A; DRAWING NO. 005190-01