

# PRODUCT INFORMATION PACKET



Model No: 170238.00

Catalog No: 170238.00

**\*\*OBSOLETE, REPLACED BY 364TTFC6080\*\*** 40 HP 1200 575 TEFC 364T PREM EFF  
General Purpose Motors



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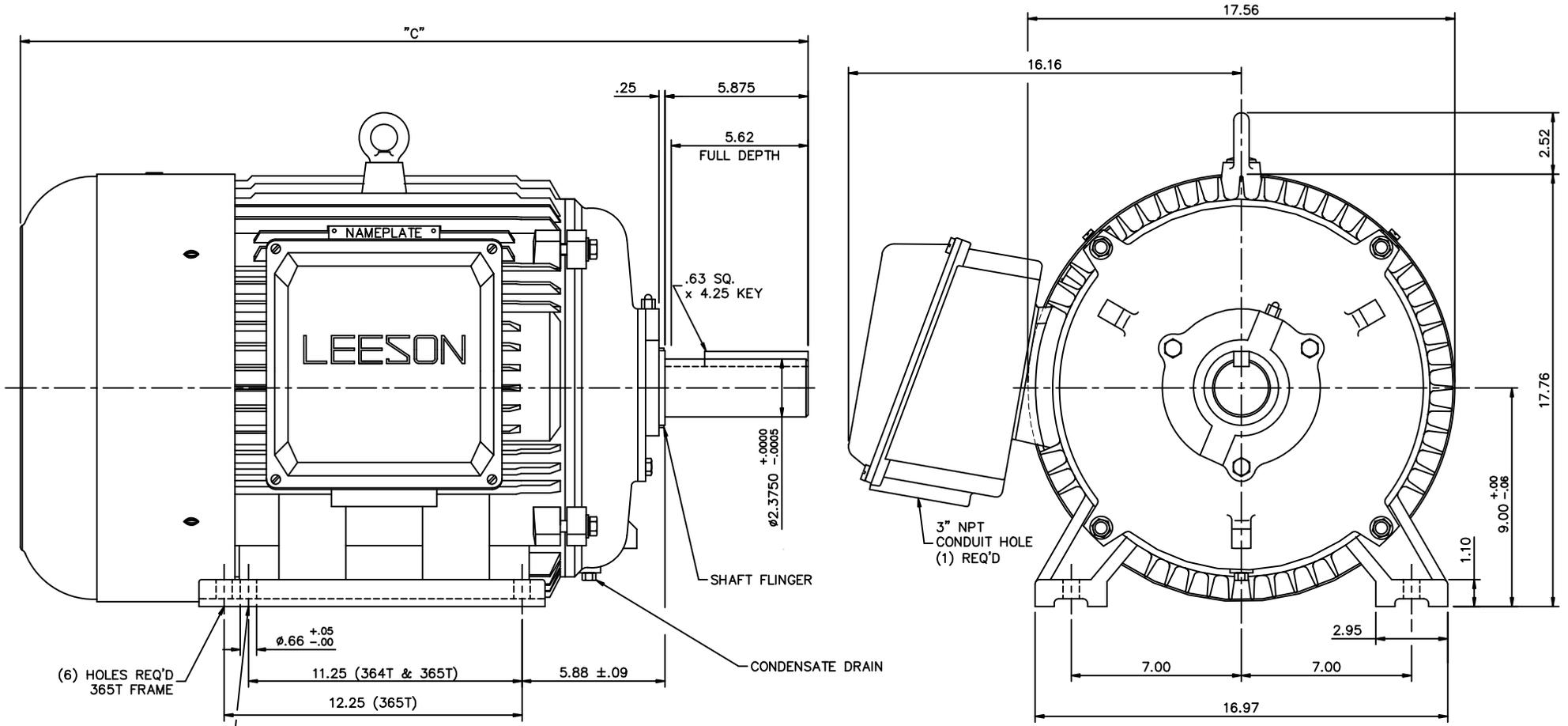


**Nameplate Specifications**

Output HP	<b>40 Hp</b>	Output KW	<b>30.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>40.5 A</b>	Speed	<b>1192 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>94.1 %</b>	Power Factor	<b>78.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>F</b>
Frame	<b>364T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6313</b>	Opp Drive End Bearing Size	<b>6313</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Hazardous Location	<b>DIVISION 2</b>	Number of Speeds	<b>1</b>

**Technical Specifications**

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Wye Start Delta Run</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.152 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>T</b>	Overall Length	<b>32.64 in</b>
Shaft Diameter	<b>2.375 in</b>	Shaft Extension	<b>5.875 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>16954360</b>	Connection Drawing	<b>005190.01</b>



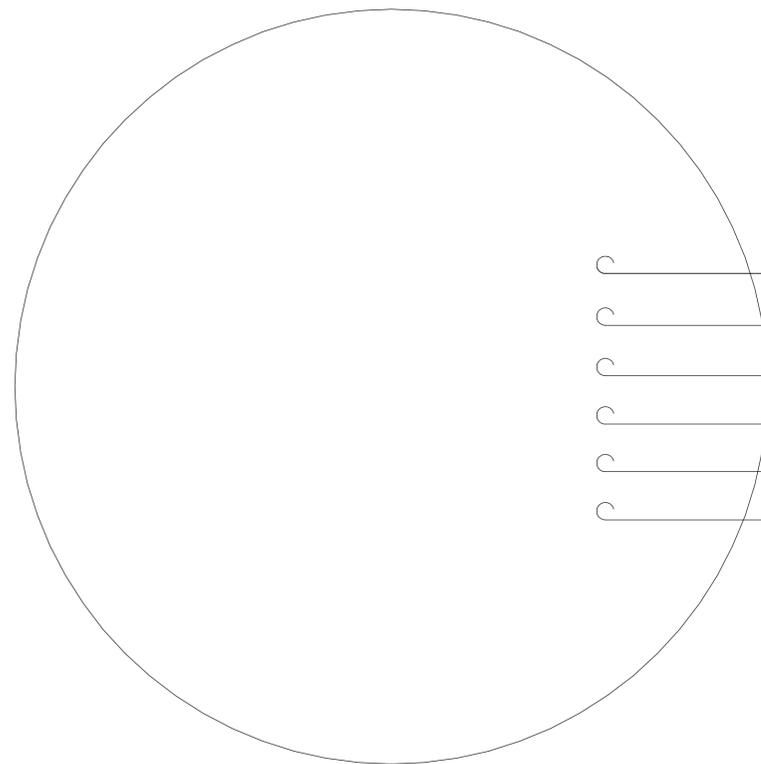
(6) HOLES REQ'D  
365T FRAME

(4) HOLES REQ'D  
364T FRAME

FRAME DESIGN	"C"
364T	32.64
365T	33.62

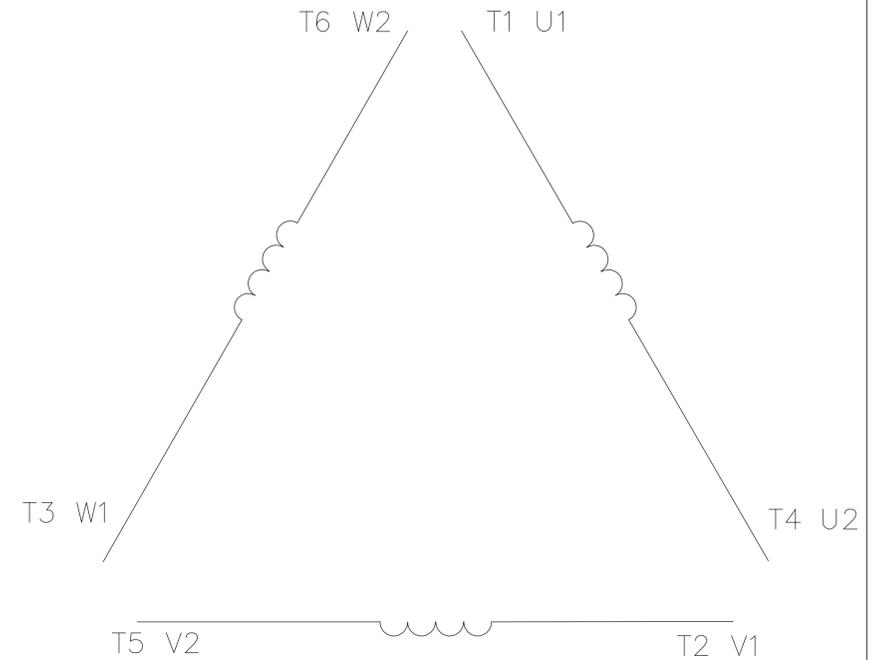
				TOLERANCES UNLESS OTHERWISE SPECIFIED		<b>LEESON ELECTRIC CORPORATION</b>					
				DECIMALS		DRAWN JJK 03/30/99		TITLE OUTLINE - 360T FRAME			
				.00	± .06	CHK'D.		TEFC - RIGID			
				.000	± .005	APPR. PG 03/31/99		MAT'L CAST IRON			
01	ADDED 365T FRAME BASE HOLES	JJK	07/16/99	.0000	± .0005	SCALE 1=4					
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	REF. 169505		FINISH			
				ANGLES	± 1/2°	FINISH		SIZE B			
				INCH/MM		DRAWING NO.		169543-60			
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005190-01



- T1 U1
- T2 V1
- T3 W1
- T4 U2
- T5 V2
- T6 W2

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)	

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