

# PRODUCT INFORMATION PACKET



Model No: C254T17FB11C

Catalog No: 170116.60

..15HP..1770RPM.254T.TEFC.575V.3PH.60HZ.CONT.40C.1.15SF.RIGID.C254T17FB11C.....575  
VOLT.TSTAT.....

575 Volts



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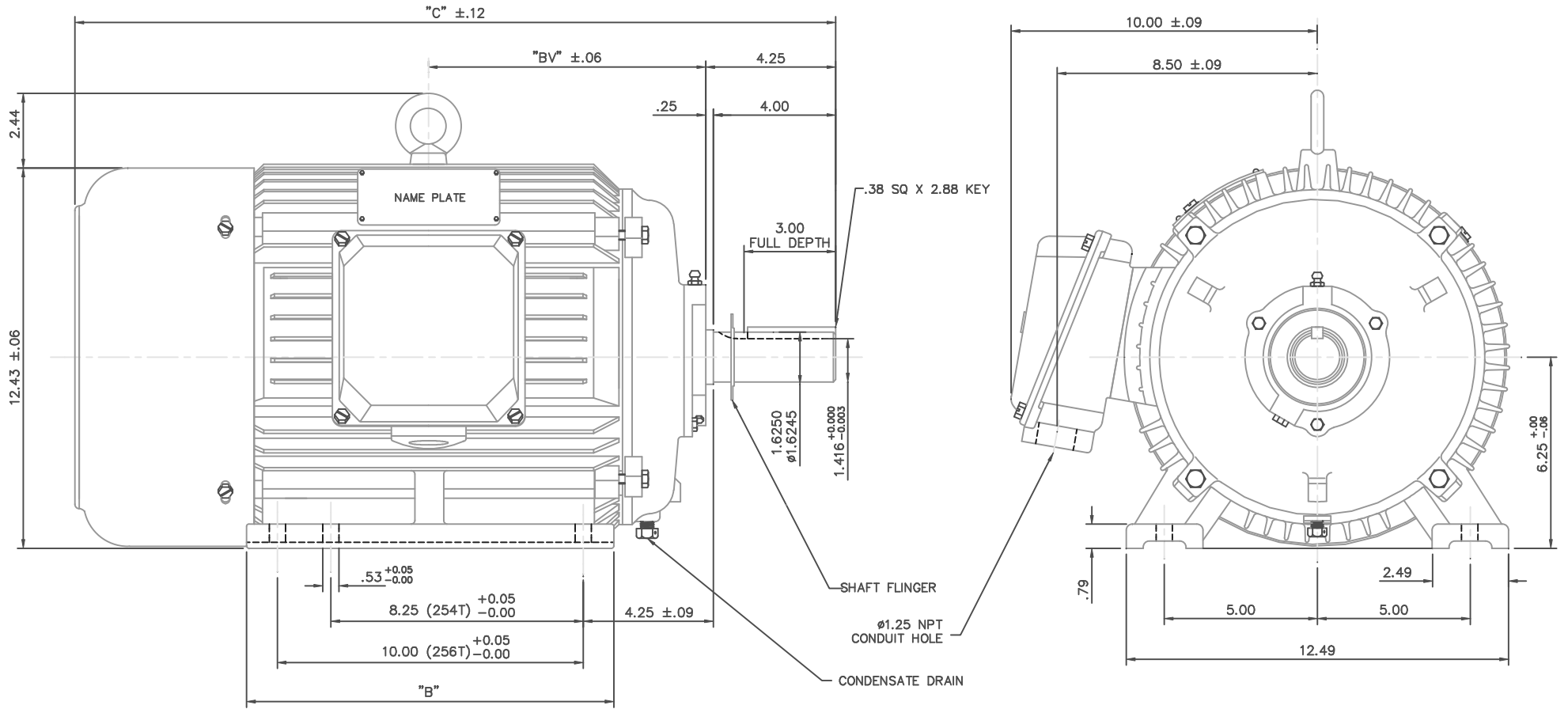
### Nameplate Specifications

Output HP	<b>15 Hp</b>	Output KW	<b>11.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>14.5 A</b>	Speed	<b>1770 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>92.4 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>H</b>	Frame	<b>254T</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6309</b>
Opp Drive End Bearing Size	<b>6308</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Wye Start Delta Run Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</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>23.19 in</b>	Shaft Diameter	<b>1.625 in</b>
Shaft Extension	<b>4 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>16953860-254T</b>	Connection Diagram	<b>005190.01</b>

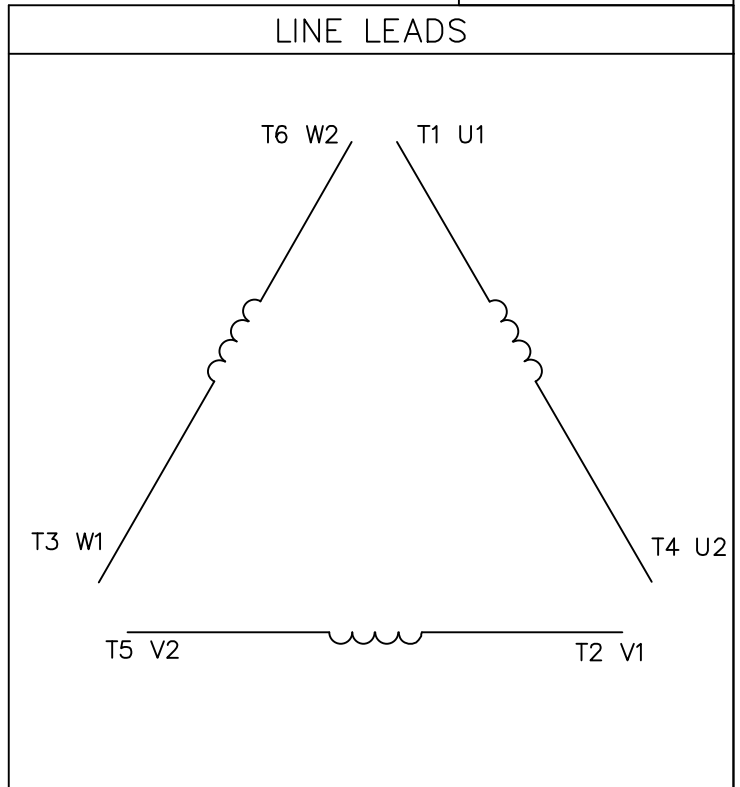
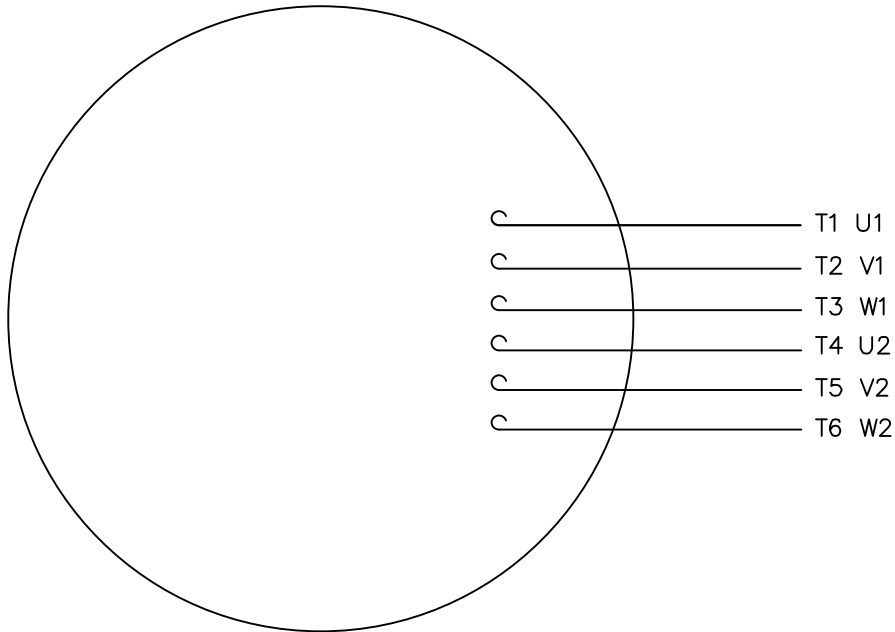
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NOTE: 256T HAS 6 MTG. HOLES, USING BOTH 254T AND 256T "2F" LOCATIONS.

FRAME	"C"	"B"	"BV"
254T	23.19	10.25	8.19
256T	24.92	12.00	9.06

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION	
				DEC.	INCHES	METRIC	
				.X	±.1	±2.5	DRAWN DRZ 05/22/01
				.XX	±.03	±.76	APPR.
				.XXX	±.005	±.127	R.F.P.
				.XXXX	±.0005	±.0127	SCALE 5=16
				FRACTIONS	±1/64	REF.	FINISH
				ANGLES	±1/2°	FMF	REV. 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. THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT.		DRAWING NO. 169538-60	
						TITLE OUTLINE - 250 FRAME TEFC - RIGID, NEW CON-BOX	
						MAT'L. CAST IRON	



	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		EXT. WIRING DIAGRAM STAR START - DELTA RUN		
				DECIMALS						
03	ADDED IEC DESIGNATIONS	MOL	4/27/2012	.00	± .01	DRAWN PG	05/07/82	MAT'L. Y-CONNECTED START DELTA CONNECTED RUN - SINGLE VOLTAGE		
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			
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	DRAWING NO.
				INCH/MM		FMF	ELECTRO POWER		A	005190-01



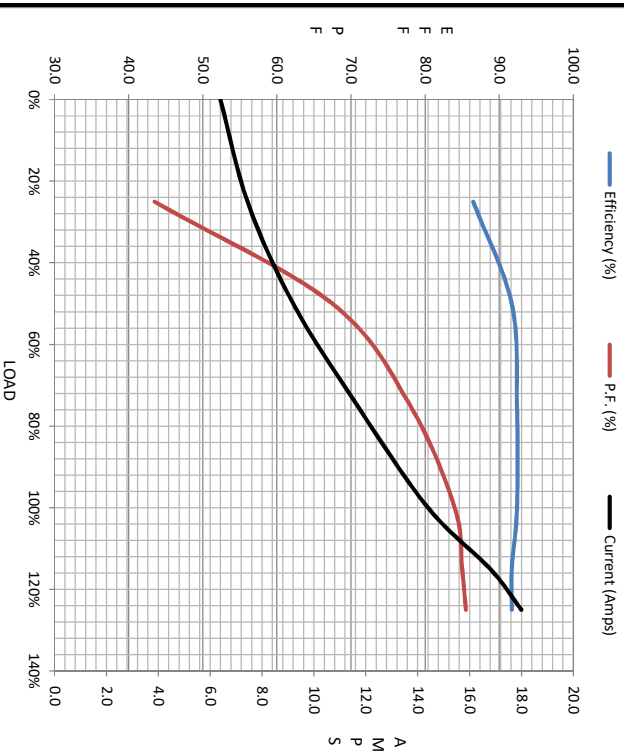
Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.4	7.4	9.2	11.7	14.4	16.8	18.0	112
Torque (ft-lb)	0.00	11.0	22.0	33.2	44.6	51.3	55.7	126
RPM	1800	1794	1788	1780	1765	1770	1765	0
Efficiency (%)		86.5	91.7	92.4	92.4	91.7	91.7	
P.F. (%)	6.0	43.5	67.5	78.0	84.0	85.0	85.5	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	467	1620	1765	1800
Current (Amps)	112	104	63.6	14.4	6.4
Torque (ft-lb)	126	98.5	154	44.6	0.00

Information Block

HP	15.0
Sync. RPM	1800
Frame	254
Enclosure	TEFC
Construction	TFC
Voltage	575
Frequency	60
Design	A
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	45
Duty	CONT
Ambient	40
Elevation	1,000
Rotor/Shaft wk <sup>2</sup>	2.09
Ref Wdg	T12904005 NONE
Sound Pressure @ 1M	999
VFD Rating	CONSTANT 10:1
Outline Dwg	16953860
Conn. Diag	005190.01
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	Xm
0.0000	0.0000



Speed - Torque Curve

