PRODUCT INFORMATION PACKET

Model No: 140446.00
Catalog No: 140446.00
Fan and Blower Motor, 5 & 2.50 HP, 3 Ph, 60 & 60 Hz, 208-230 & 208-230 V, 1800 & 1800 RPM, 215T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	5 & 2.50 Hp
Output KW	3.7 & 1.9 kW	Voltage	208-230 & 208-230 V
Speed	1725 & 850 rpm	Service Factor	1.0 & 1.0
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	81.5 & 74 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	13.4 & 14 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	H
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

|			
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.71 in
Frame Length	11.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005148.01	Outline Drawing	OL140446

17.71 ±.06

14.21 REF.

3.50

5.50 ±.06

.12 REF.

3.375

2.41
FULL DEPTH

NAMEPLATE

Ø10.79

.31 SQ. x 2.38 KEY

Ø1.3750 +.0000 -.0005

FLINGER

(2) Ø1.13 CONDUIT HOLES (PLUGGED)

5.50

3.50 ±.09

7.00

.63

8.25

Ø9.65

7.59

6.27

GREASE FITTING (BOTH ENDBELLS)

1.69

10.05 ±.06

5.25 +.00 -.06

.164

Ø.41 +.05 -.00

4.25

8.50

9.75

DRAIN HOLE (BOTH ENDBELLS)
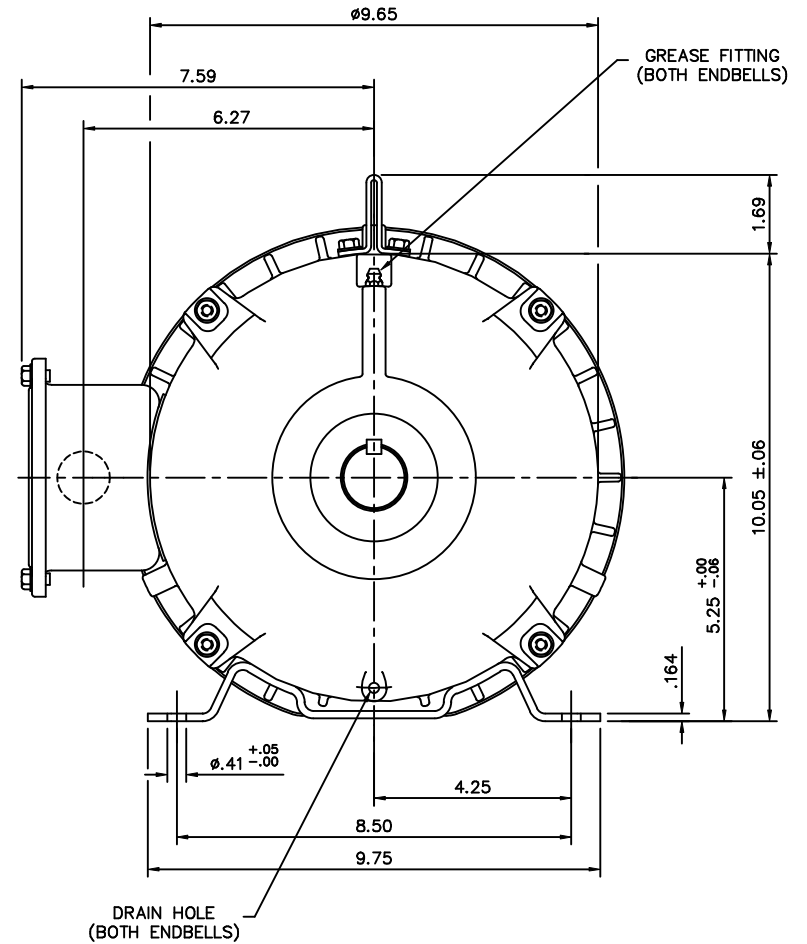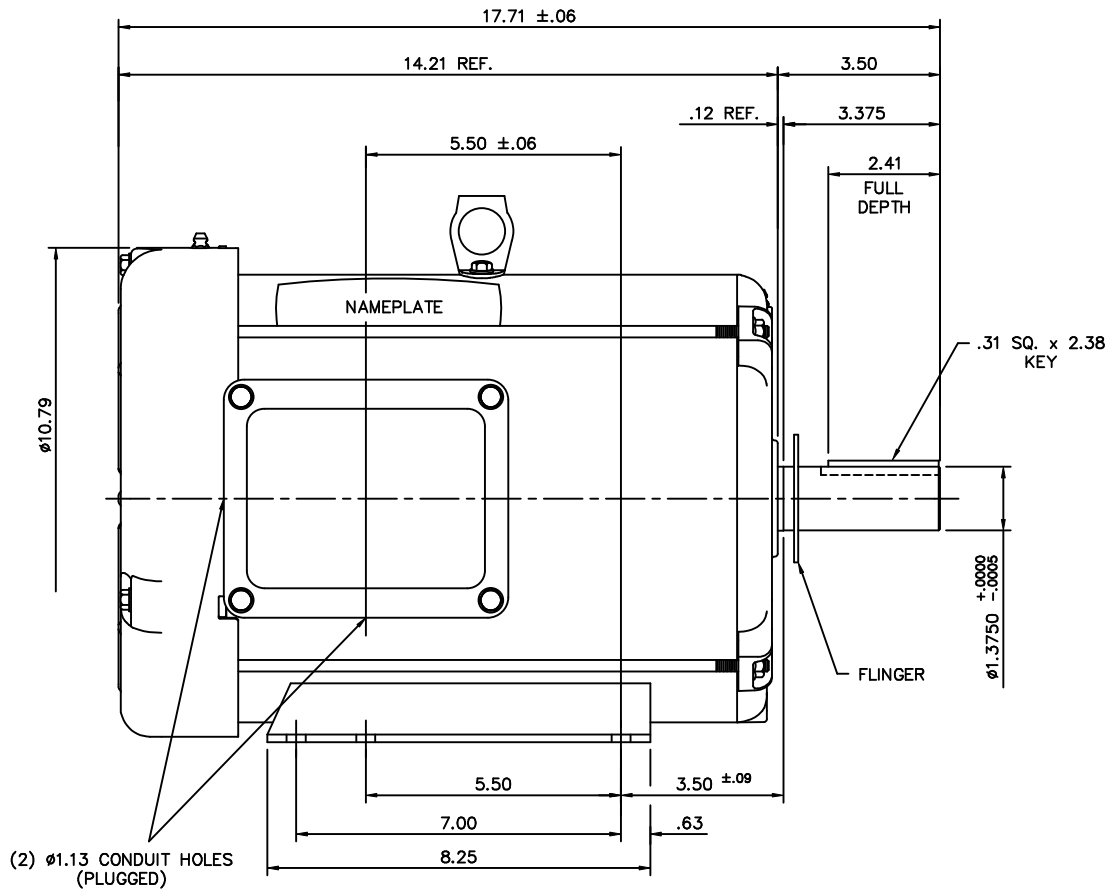
			TOLERANCES UNLESS OTHERWISE SPECIFIED			**LEESON** ELECTRIC CORPORATION		
			DEC.	INCHES	METRIC			
			.X	±.1	±2.5	DRAWN PG 02/21/00	TITLE OUTLINE – 215T FRAME TEFC – RIGID MOUNT	
01	REMOVED "LEESON" FROM CONDUIT BOX COVER	BPW 05/16/01	.XX	±.03	±.76	APPR. PG 02/21/00		
	EFF. 07/31/01		.XXX	±.005	±.127	R.F.P.	MAT'L.	
NO.	REVISION	BY & DATE CH'K'D.	.XXXX	±.0005	±.0127	SCALE 3=8		
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			FRACTIONS	±1/64		REF. 037511	FINISH	REV. DRAWING NO.
			ANGLES	±1/2°		FMF 140446	STANDARD	01 OL140446

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ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/p2e
-savelevel-
```

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

T1
T2
T3
T4
T5
T6

LINE LEADS

T4

T3   T1

T5   T2   T6
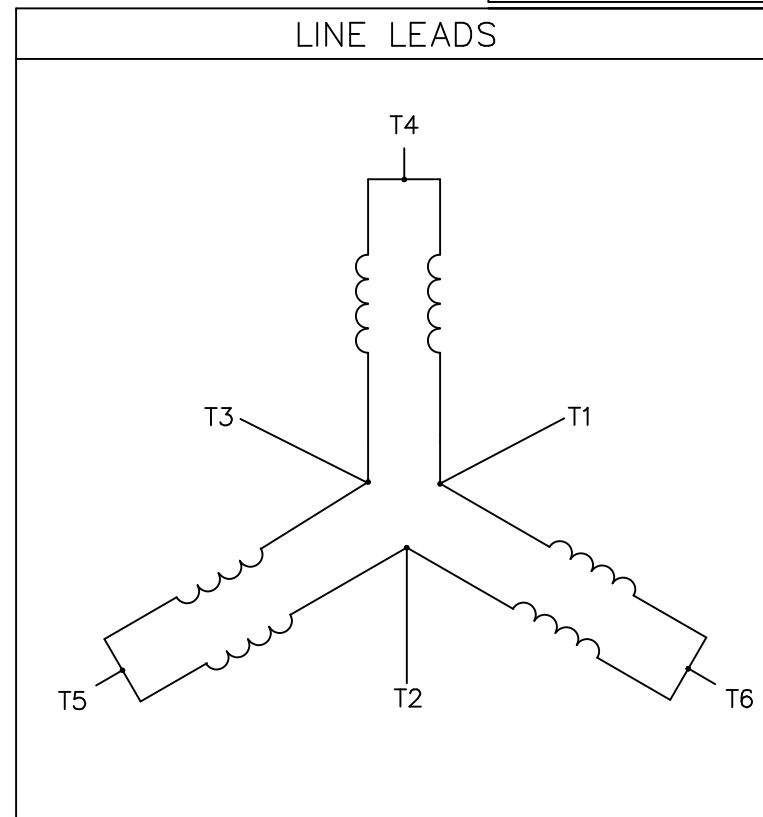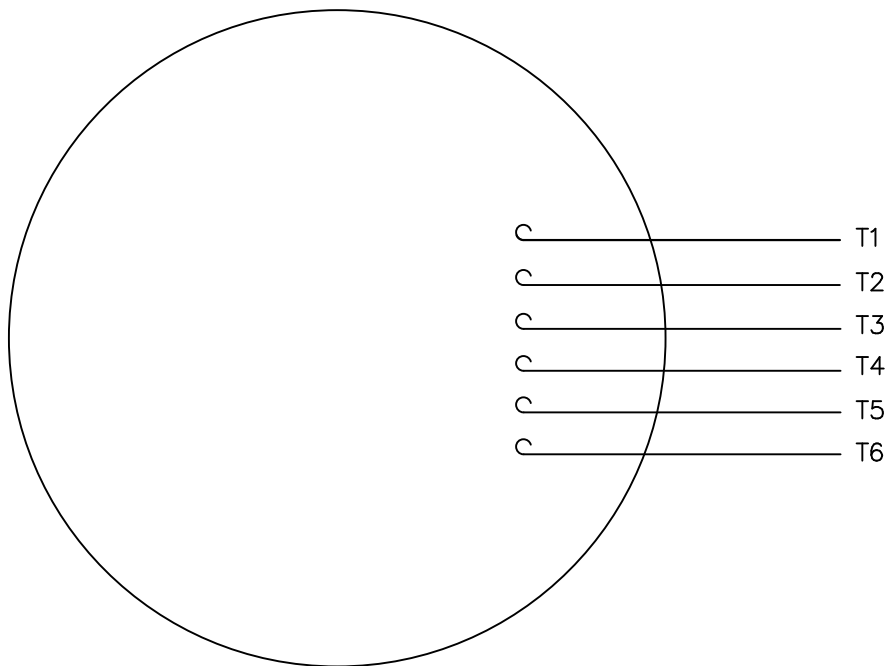
SPEED	L1	L2	L3	JOIN	SEPARATE
HIGH	T6	T4	T5	(T1,T2,T3)	
LOW	T1	T2	T3		(T4),(T5),(T6)

03	SPEED WAS VOLTAGE	RLW 6/23/04	
02	REDRAWN TO CAD	DBT 5/30/97	
NO.	REVISION	BY & DATE	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

CHK

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

DRAWN	DLL 10/19/77
CHK	RPB 10/28/77
APPD	JCW 10/31/77

TITLE
EXT. WIRING DIAGRAMS
3 PHASE W/O PROTECTOR

SCALE	1=1
REF	W-T8(4-8)1

MAT'L.DECAL: 004183 2SPEED/1WINDING/CONSTANT TORQUE   FMF   184T17FB9

FINISH   PREV

RFP	10/31/77
DIST	

CAD FILE   00514801

SIZE	DRAWING NO.	REV.
A	005148-01	03

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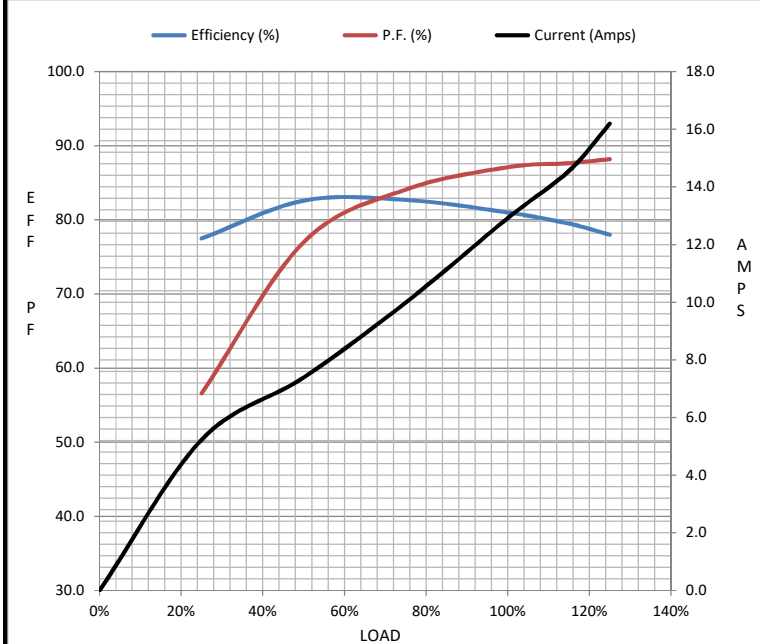
Data Sheet

Date: 1/31/2018

LEESON®

140446.00

Data @ 230 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.00	5.2	7.4	10.0	12.9	14.6	16.2	83.0	
Torque (ft-lb)	0.00	3.8	7.5	11.3	15.0	16.9	18.8	42.0	
RPM	1800	1779	1757	1733	1705	1,691	1670	0	
Efficiency (%)		77.5	82.6	82.7	81.0	79.5	78.0		
P.F. (%)	0.0	56.6	77.0	84.1	87.1	87.7	88.2	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	
Speed (RPM)	0	900	1656	1705	1800	
Current (Amps)	83.0	76.4	49.8	12.9	0.00	
Torque (ft-lb)	42.0	36.5	45.0	15.0	0.00	

Information Block

HP	5.0
Sync. RPM	1800
Frame	210
Enclosure	TEFC
Construction	NA
Voltage	208-230 V
Frequency	60 Hz
Design	B
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	0 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Ref Wdg	T9(4-8)10 NONE
Sound Pressure @ 1M	0 dBA
VFD Rating	NONE
Outline Dwg	OL140446
Conn. Diag	005148.01
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Legend: Efficiency (%) — P.F. (%) — Current (Amps)

Speed -Torque Curve

Legend: Torque — Amps