PRODUCT INFORMATION PACKET

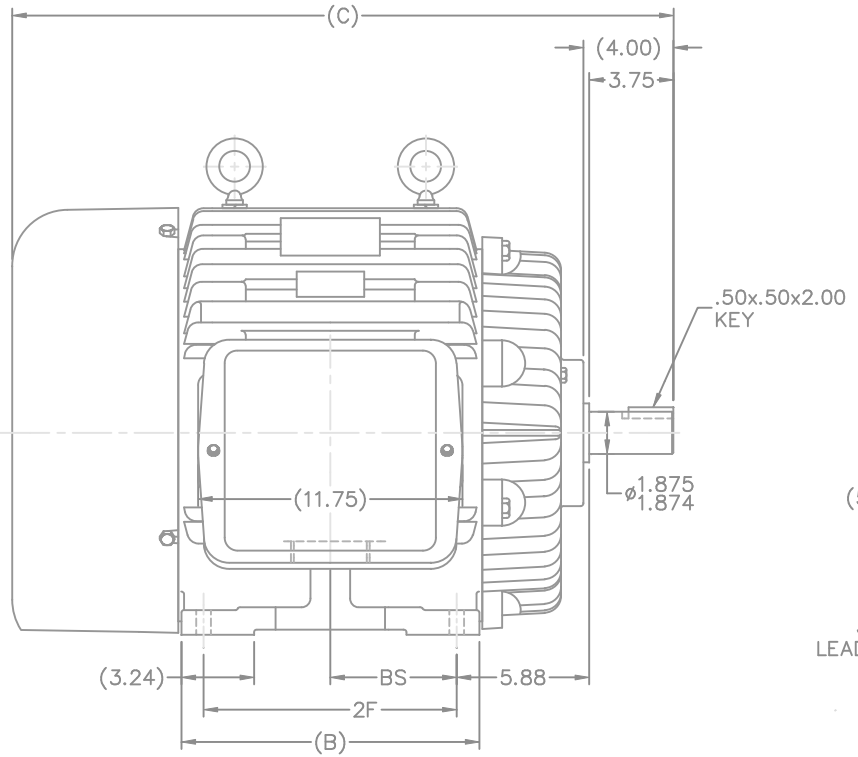
Model No: 364TSHFS19006AN
Catalog No: 811566.00
60HP..3550RPM.364.TEFC./V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID.IEEE-841.364TSHFS19006AN
IEEE 841

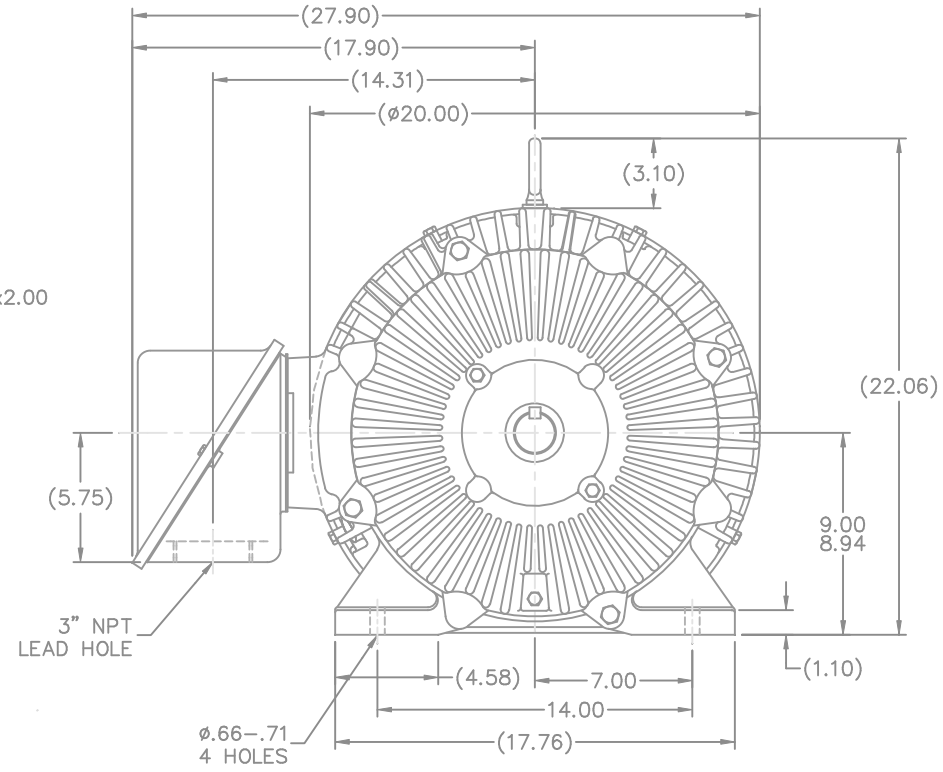
Nameplate Specifications

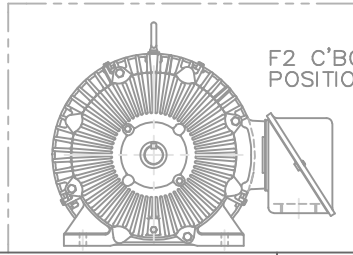
Output HP	**60 Hp**	Output KW	**45.0 kW**
Frequency	**60 Hz**	Voltage	**460 V**
Current	**67.0 A**	Speed	**3555 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**94.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Frame	**364TS**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6312**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**56**		

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Cast Iron**	Shaft Type	**TS**
Overall Length	**29.38 in**	Frame Length	**13.50 in**
Shaft Diameter	**1.875 in**	Shaft Extension	**3.75 in**
Assembly/Box Mounting	**F1/F2 CAPABLE**		
Outline Drawing	**B-SS508654LE-1350**	Connection Diagram	**A-EE7300U-LE**







NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS
1350	364TS	13.25	29.38	11.25	5.62
1450	365TS	14.25	30.38	12.25	6.12

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE
360TS FR. – TEFC – TAPPED LEAD HOLE

MAT'L.

FINISH

CAD FILE SS508654LE

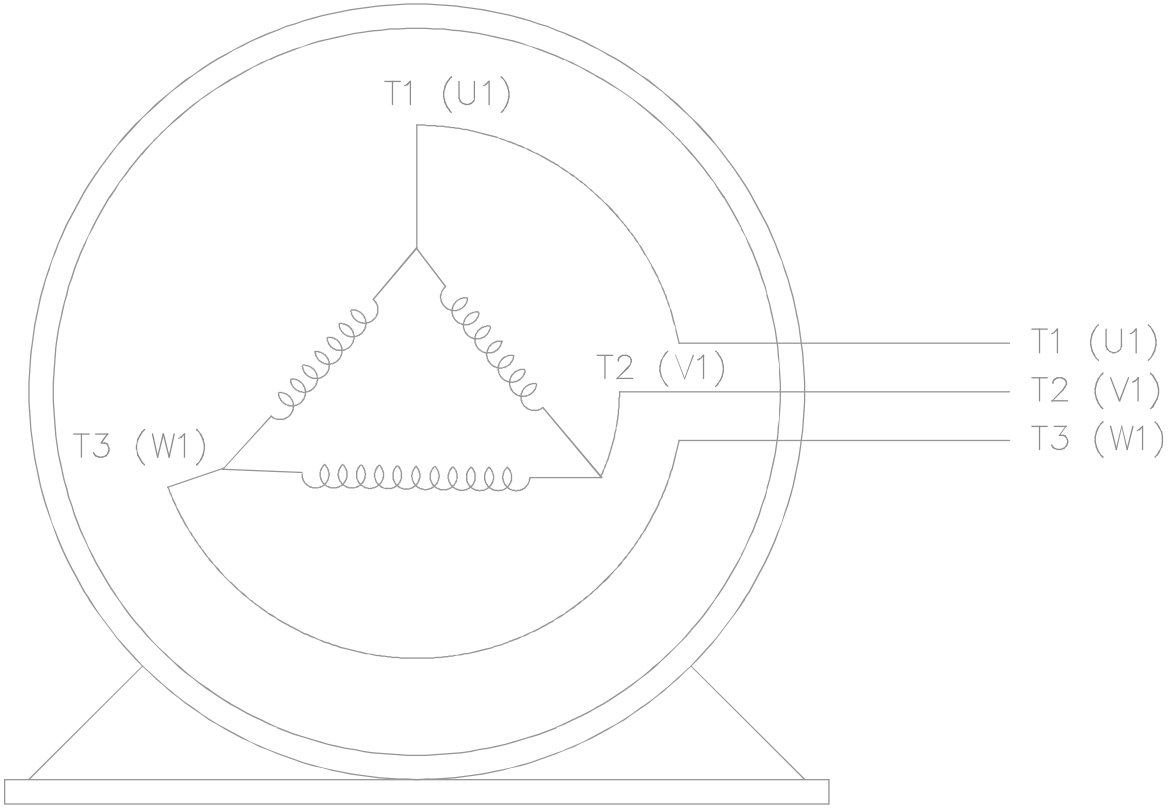
RFP 09–25–2008

DIST WA

DRAWN	RWR 09–25–2008
CHK	ML 09–25–2008
APPD	MH 09–25–2008
SCALE	1=5.5
REF	B–SS508654
FMF	MU87717
PREV	

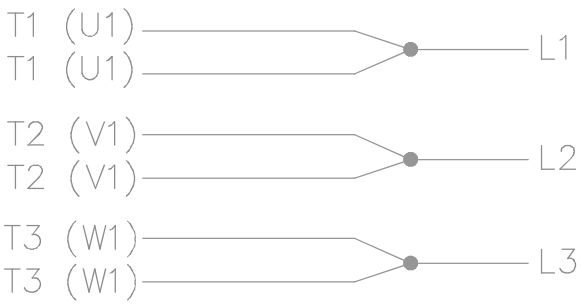
SIZE B | DRAWING NO. SS508654LE | PAGE OF | REV.

EE7300U-LE



VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE T'S PER LEAD CONNECT TOGETHER LIKE T'S



NO.	REVISION	BY & DATE	CHK
1	NEW DRAWING MU45909	KL 03-24-2003	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	± –
.XX	± –
.XXX	± –
.XXXX	± –
ANG	± –

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE CONNECTION DIAGRAM 3ø SINGLE VOLTAGE

MAT'L.

FINISH

CAD FILE EE7300U-LE

RFP

DIST WA

DRAWN	KL 03-24-2003
CHK	GFH 03-24-2003
APPD	JES 03-24-2003
SCALE	1=1
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7300U-LE	1

Data Sheet

Date: 1/29/2018

811566.00

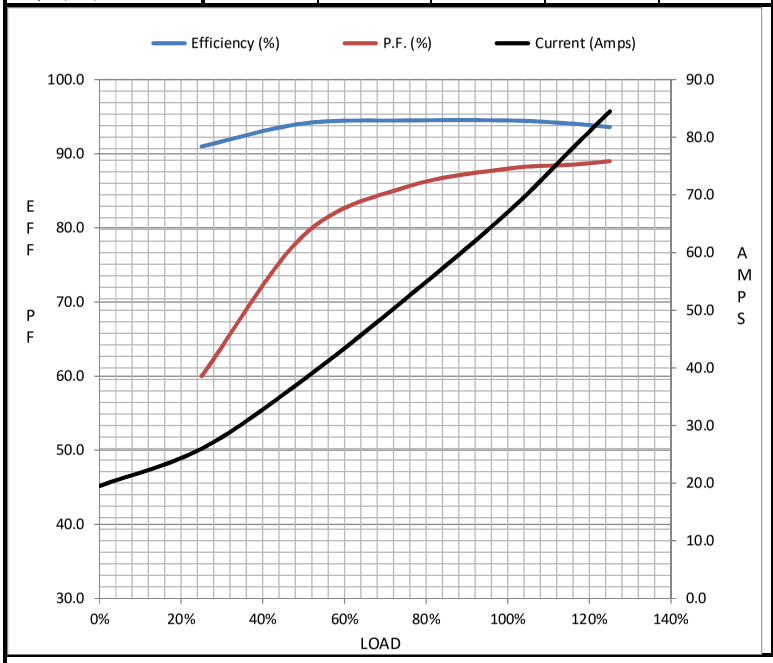
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	19.5	26.0	38.0	52.0	67.0	77.5	84.5	435	
Torque (ft-lb)	0.00	22.0	44.0	66.0	88.6	102	111	140	
RPM	3600	3590	3580	3570	3555	3,550	3545	0	
Efficiency (%)		91.0	94.1	94.5	94.5	94.1	93.6		
P.F. (%)	6.0	60.0	79.0	85.5	88.0	88.5	89.0	28.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3330	3555	3600
Current (Amps)	435	392	300	67.0	19.5
Torque (ft-lb)	140	101	265	88.6	0.00



Information Block

HP	60.0	
Sync. RPM	3600	
Frame	364	
Enclosure	TEFC	
Construction	TFS	
Voltage	460	V
Frequency	60	Hz
Design	A	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	70	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	7.3	Lb-Ft²
Ref Wdg	T364271 NONE	
Sound Pressure @ 1M	75	dBA
VFD Rating	CONSTANT 20:1	
Outline Dwg	B-SS508654LE-1350	
Conn. Diag	A-EE7300U-LE	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0650	0.0460	0.3980	0.3330	13.1970

Speed -Torque Curve