

PRODUCT INFORMATION PACKET



Model No: 811567.00
Catalog No: 811567.00
60 HP Severe Duty Motor, 3 phase, 1800 RPM, 460 V, 364T Frame, TEFC
Severe Duty Motors



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E





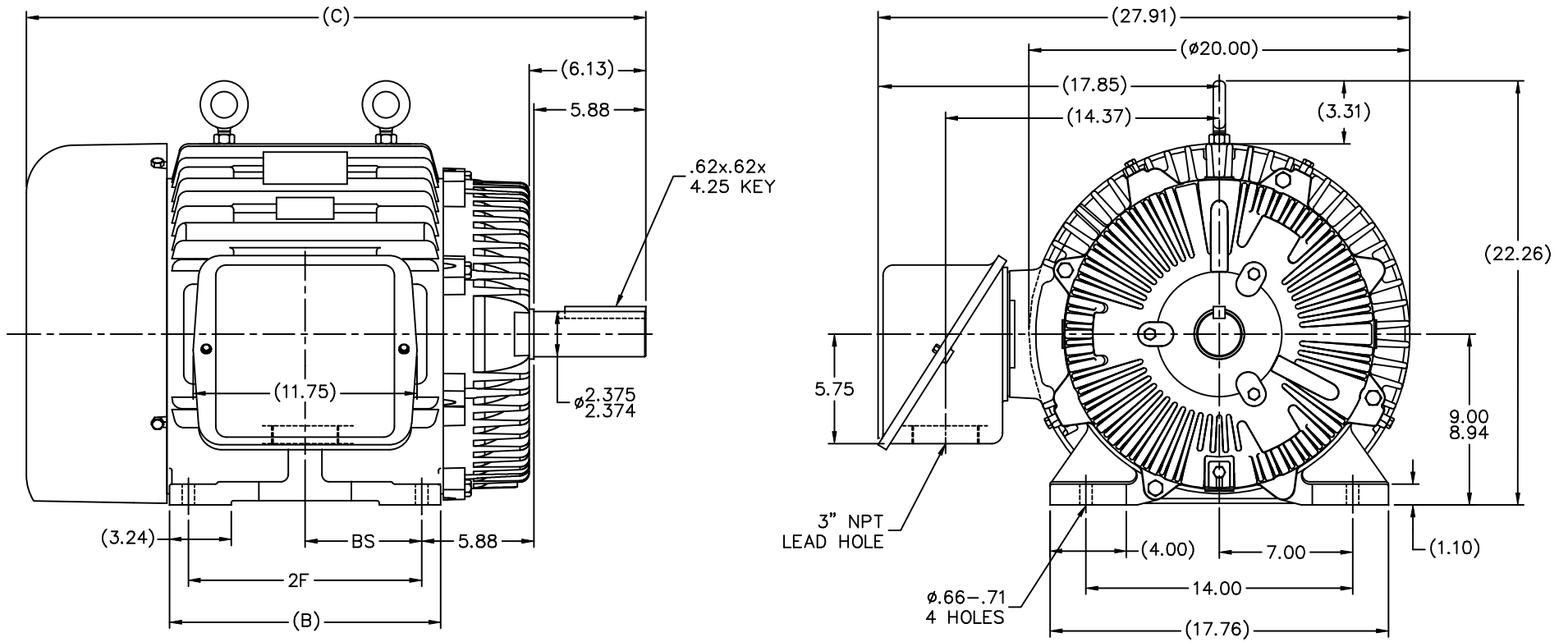
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	460 V
Current	70.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	364T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	56
Number of Speeds	1		

Technical Specifications


Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.101 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	13.25 in
Frame Length	13.50 in	Shaft Diameter	2.375 in
Shaft Extension	5.88 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS508590LE-1350	Connection Drawing	A-EE7300-LE

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/12/2021



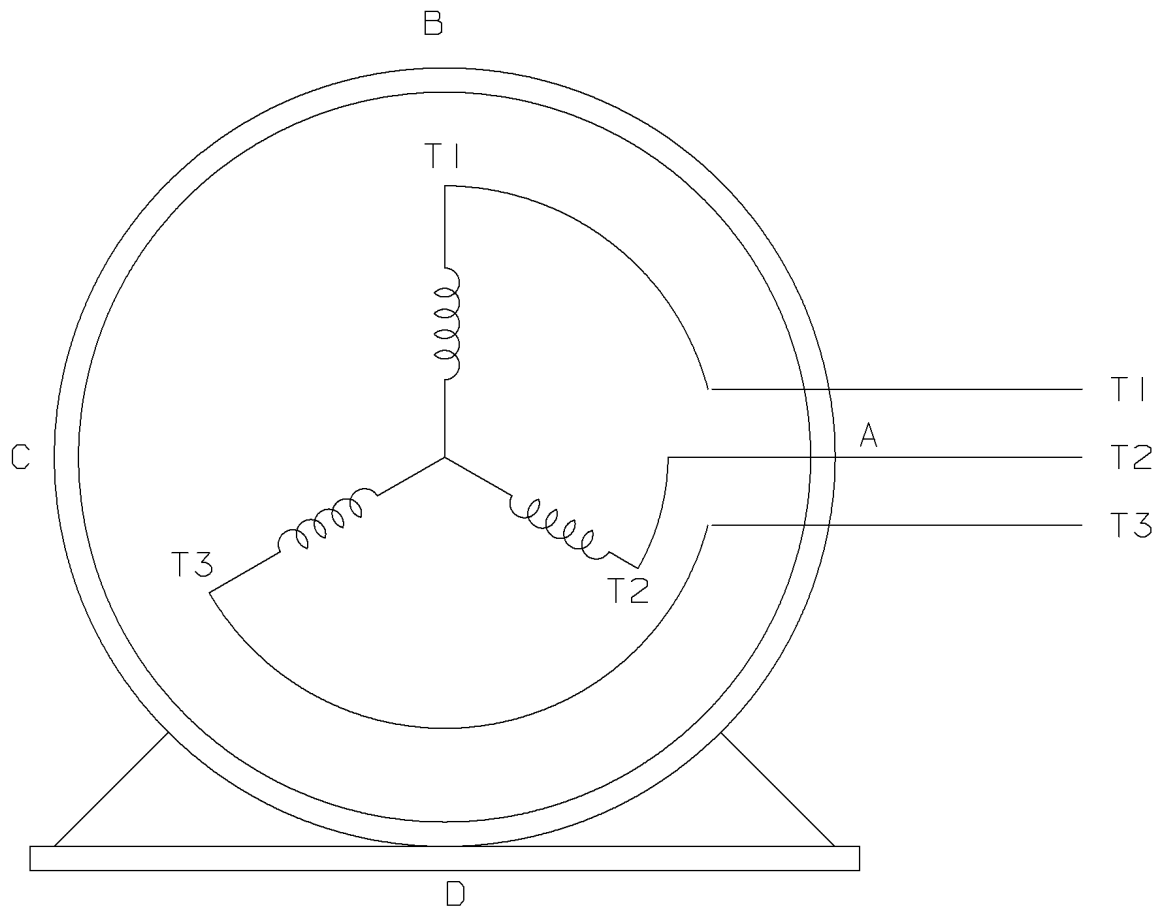
- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

(B-SS504688)

						TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN KL 02-16-2004		
						DEC.	INCHES			CHK ML 02-16-2004		
						.X	±.1			APPD JES 02-16-2004		
						.XX	±.03			SCALE 3=16		
						.XXX	±.005			REF		
						.XXXX	±.0005	FMF MU80127				
DASH	FRAME	B	C	2F	BS	NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV
1350	364T	13.25	31.50	11.25	5.62	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						
1450	365T	14.25	32.50	12.25	6.12							
						RFP	02-16-2004	CAD FILE	SS508590LE	SIZE	DRAWING NO.	PAGE OF
						DIST	WA	B	SS508590LE	REV.		

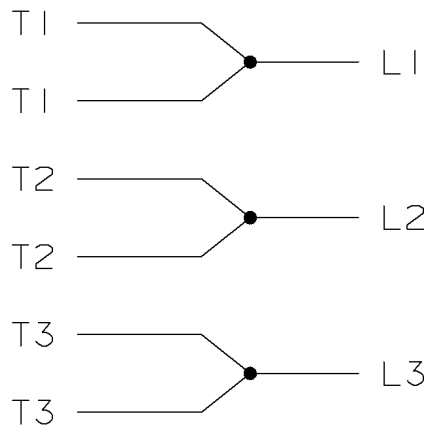
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS




VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A-9806 DECAL

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MSG 05-22-2002			
				DEC.	TOLERANCE		CHK ML 05-22-2002			
				.X	± .1		APPD GK 05-22-2002			
				.XX	± .02		SCALE			
				.XXX	± .005		REF			
1	NEW DRAWING	MSG	05-22-2002	ML	.XXXX ± .0005	TITLE CONNECTION DIAGRAM SINGLE VOLT - 3Ø MOTOR	FMF			
NO.	REVISION	BY	DATE	CHK	ANG ± 7'30'		✓ SURFACE ROUGHNESS UNLESS SPECIFIED	PREV		
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				PURCHASED		CAD FILE EE7300-LE	SHOP BOOK	SIZE A	DRAWING NO. EE7300-LE	REV. I
				DIST WA - LB - WP - LM - BR - BY						

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7300-LE
OUTLINE: B-SS508590LE-1350
WINDING: T3654207

CAT #: 811567.00

NONE 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
60	45	1800	1780	364T	TEFC	TFS	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	460	70	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	95.0	3/4 LD EFF	95.0	1/2 LD EFF	95.0	GTD EFF	94.5	ELECT. TYPE	SQ CAGE INV RATED
F.L. PF	85.0	3/4 LD PF	81.5	1/2 LD PF	73.5				

F.L. TORQUE	177 LB-FT	LR AMPS @ 460 V	435	L.R. TORQUE	335 LB-FT 189%	B.D. TORQUE	465 LB-FT 263%	F.L. RISE (°C)	80
-------------	-----------	-----------------	-----	-------------	----------------	-------------	----------------	----------------	----

PRESSURE @ 3	65 dBA	POWER	74 dBA	ROTOR WK²	15.2 LB-FT²	MAX. LOAD WK²	420 LB-FT²	SAFE STALL TIME	25 SEC.	STARTS/HOUR	2	MOTOR WGT	900 LB.
--------------	--------	-------	--------	-----------	-------------	---------------	------------	-----------------	---------	-------------	---	-----------	---------

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	UM SEVERE	DIVISION 2 T2B	NO	NONE	IN - LEESON WATTS

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	6312						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.065	0.047	0.412	0.473	11.447	0.080	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE	
	ENCODER: NONE	
	NONE	
	NONE	
	NONE PPR	

DATE: 2/1/2018	BRAKE: NONE	
	NONE NONE NONE	
	FT-LB: NA	NONE
	VOLTAGE: NONE	HZ:
UL: Y-(LEESON UL REC)		

Data Sheet

Date: 2/1/2018

811567.00



Data @ 460 V

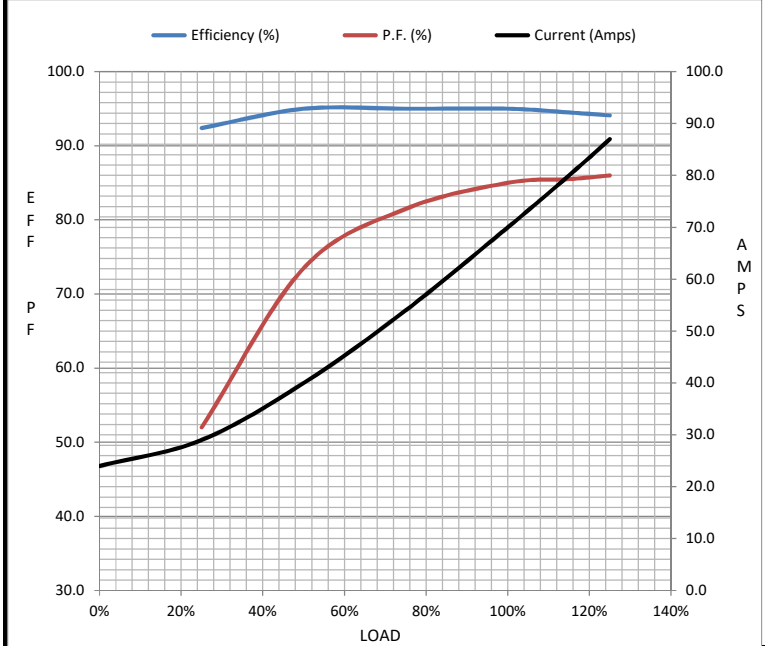
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	24.0	29.0	40.0	54.0	70.0	80.0	87.0	435
Torque (ft-lb)	0.00	44.0	88.0	133	177	204	222	335
RPM	1800	1795	1790	1785	1780	1775	1770	0
Efficiency (%)		92.4	95.0	95.0	95.0	94.5	94.1	
P.F. (%)	4.0	52.0	73.5	81.5	85.0	85.5	86.0	31.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1715	1780	1800
Current (Amps)	435	420	300	70.0	24.0
Torque (ft-lb)	335	300	465	177	0.00

Information Block				
HP	60.0			
Sync. RPM	1800			
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	80 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	15.2 Lb-Ft ²			
Ref Wdg	T3654207 NONE			
Sound Pressure @ 1M	65 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS508590LE-1350			
Conn. Diag	A-EE7300-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0650	0.0470	0.4120	0.4730	11.4470



Speed - Torque Curve

