

PRODUCT INFORMATION PACKET



Model No: 811568.00
Catalog No: 811568.00
75 HP Severe Duty Motor, 3 phase, 3600 RPM, 460 V, 365TS 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





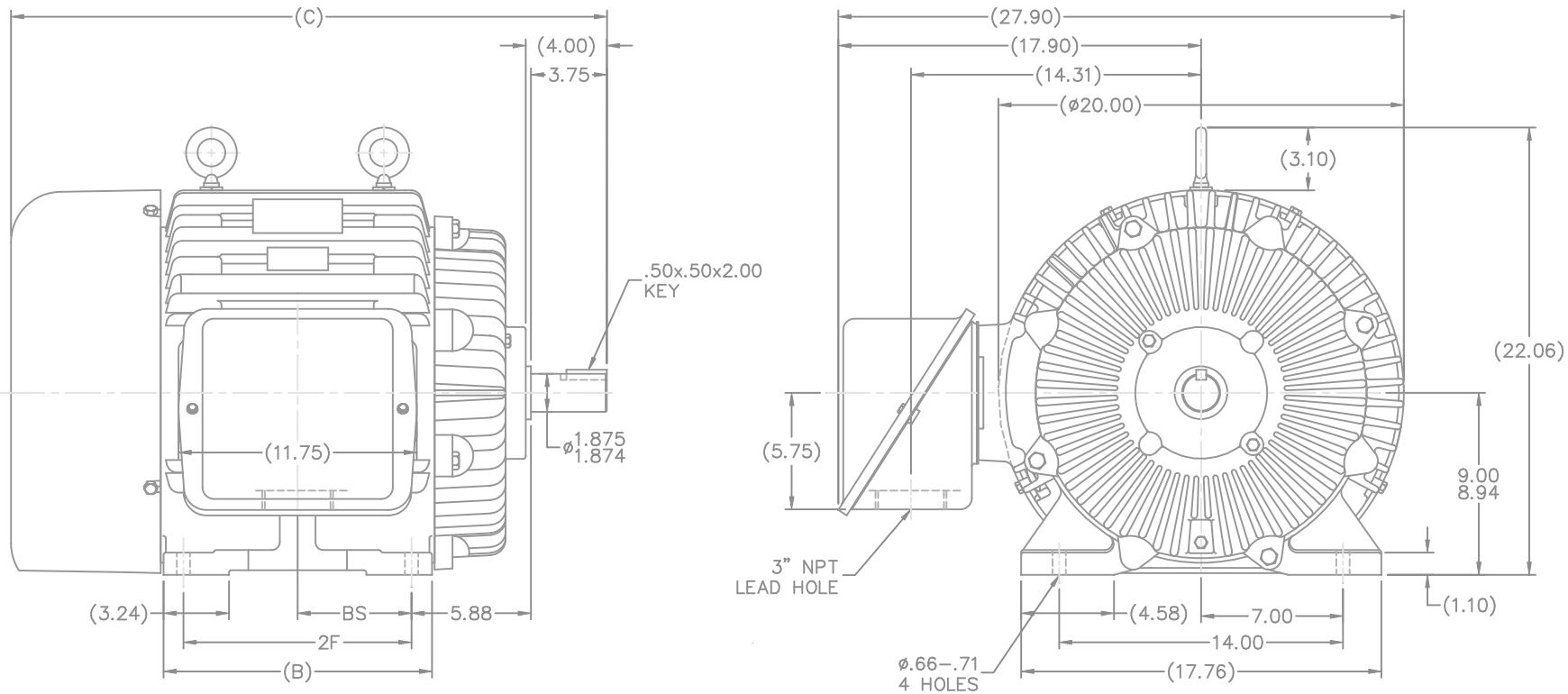
Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	460 V
Current	84.0 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	365TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	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
Number of Speeds	1		

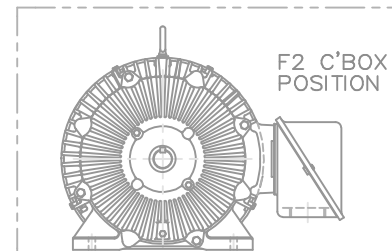
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.07 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	30.38 in
Frame Length	14.50 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS508654LE-1450	Connection Drawing	A-EE7300U-LE

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

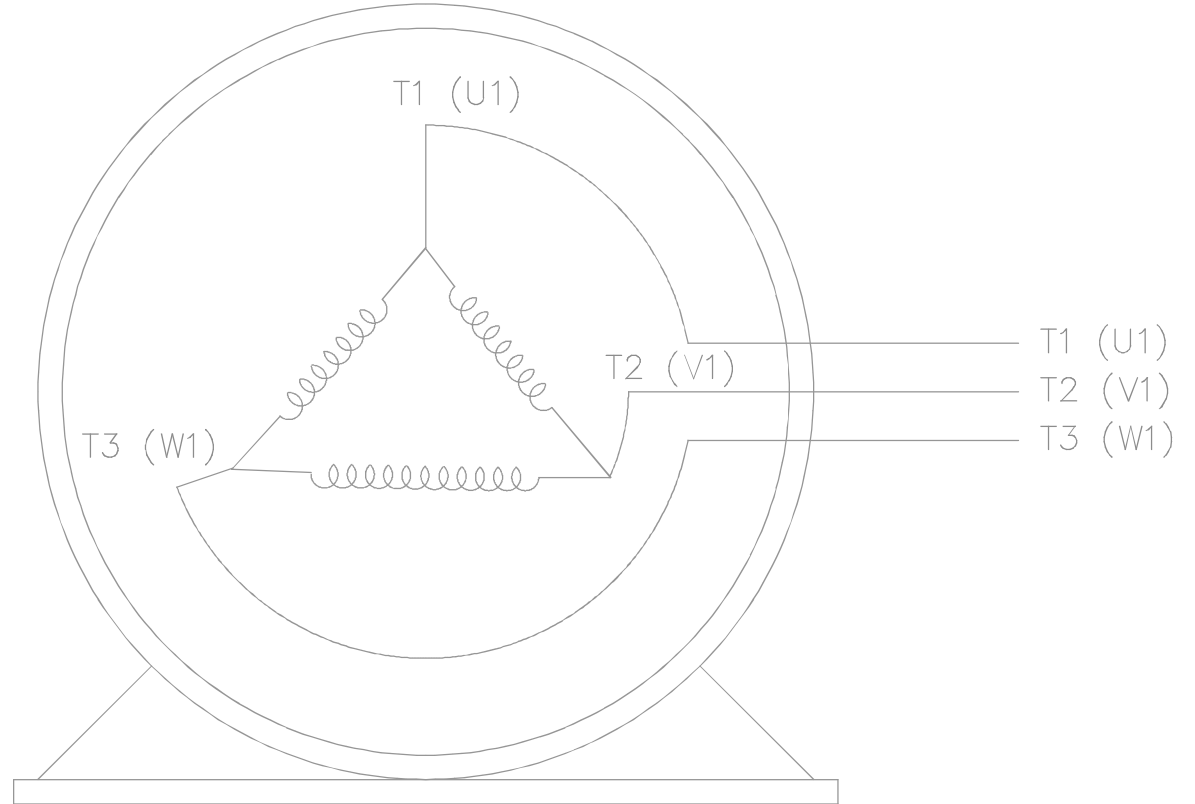


- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.



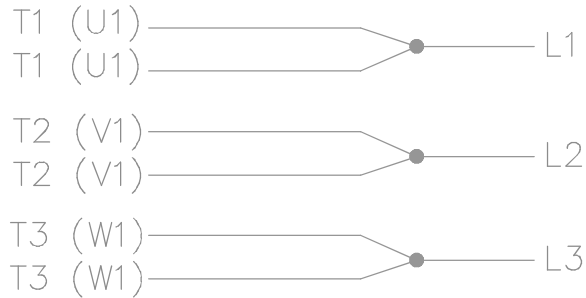
DASH	FRAME	B	C	2F	BS
1350	364TS	13.25	29.38	11.25	5.62
1450	365TS	14.25	30.38	12.25	6.12


NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	TO TOLERANCES UNLESS SPECIFIED	DEC.	INCHES	TITLE	OUTLINE	360TS FR. - TEFC - TAPPED LEAD HOLE	MAT'L	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
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														RFP	09-25-2008	CAD FILE	SS508654LE	SIZE	B	DRAWING NO.	SS508654LE	PAGE	OF	REV.		



VIEW OF TERMINAL END

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



				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KL 03-24-2003			
				DEC.	INCHES		CHK GFH 03-24-2003			
				.X	± -		APPD JES 03-24-2003			
				.XX	± -	TITLE CONNECTION DIAGRAM	SCALE 1=1			
				.XXX	± -	3Ø SINGLE VOLTAGE	REF			
1	NEW DRAWING	MU45909	KL 03-24-2003	.XXXX	± -	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH	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				RFP	CAD FILE EE7300U-LE		SIZE A	DRAWING NO. EE7300U-LE	PAGE OF 1	REV. 1
				DIST	WA					



**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CATALOG #: 811568.00

CONN. DIAGRAM: A-EE7300U-LE

OUTLINE: B-SS508654LE-1450

MOUNTING: F1/F2 CAPABLE

WINDING #: T365262 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75	56.0	3600	3555	365TS	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	460	84	LINE OR INVERTER	CONTINUOUS	F1	1.15	40

FULL LOAD EFF:	94.5	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	94.5	GTD. EFF	94.1	ELEC. TYPE	SQ CAGE INV RATED
FULL LOAD PF:	88.5	3/4 LOAD PF:	86.5	1/2 LOAD PF:	81				

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
111 LB-FT	542	180 LB-FT 162 %	320 LB-FT 288 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	8.2 LB-FT^2	50 LB-FT^2	15 SEC.	2	925 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	FALSE	NONE	GREEN - LEESON WATTS AVER

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

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
O
T
E

INVERTER TORQUE: CONSTANT 20:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/22/2018

811568.00



Data @ **460 V**

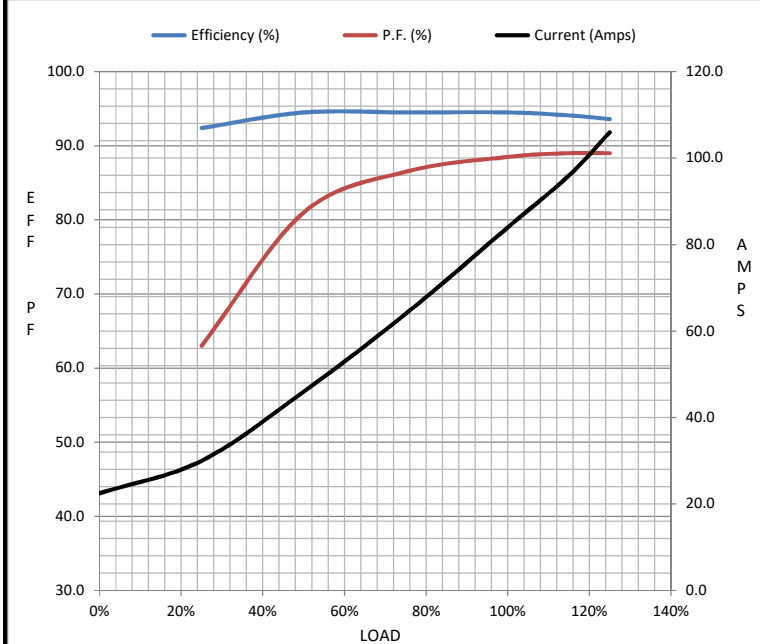
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	22.5	30.0	46.0	64.0	84.0	96.0	106	542
Torque (ft-lb)	0.00	27.5	55.0	83.0	111	128	140	180
RPM	3600	3590	3580	3565	3555	3,545	3540	0
Efficiency (%)		92.4	94.5	94.5	94.5	94.1	93.6	
P.F. (%)	6.0	63.0	81.0	86.5	88.5	89.0	89.0	31.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3555	3600
Current (Amps)	542	488	335	84.0	22.5
Torque (ft-lb)	180	162	320	111	0.00

Information Block				
HP	75.0			
Sync. RPM	3600			
Frame	365			
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	8.2 Lb-Ft ²			
Ref Wdg	T365262 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	B-SS508654LE-1450			
Conn. Diag	A-EE7300U-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0550	0.0410	0.3190	0.2800	11.3780



Speed - Torque Curve

