

PRODUCT INFORMATION PACKET



Model No: 811591.00
Catalog No: 811591.00
200 HP Severe Duty Motor, 3 phase, 1800 RPM, 460 V, 445T Frame, TEFC
Severe Duty Motors



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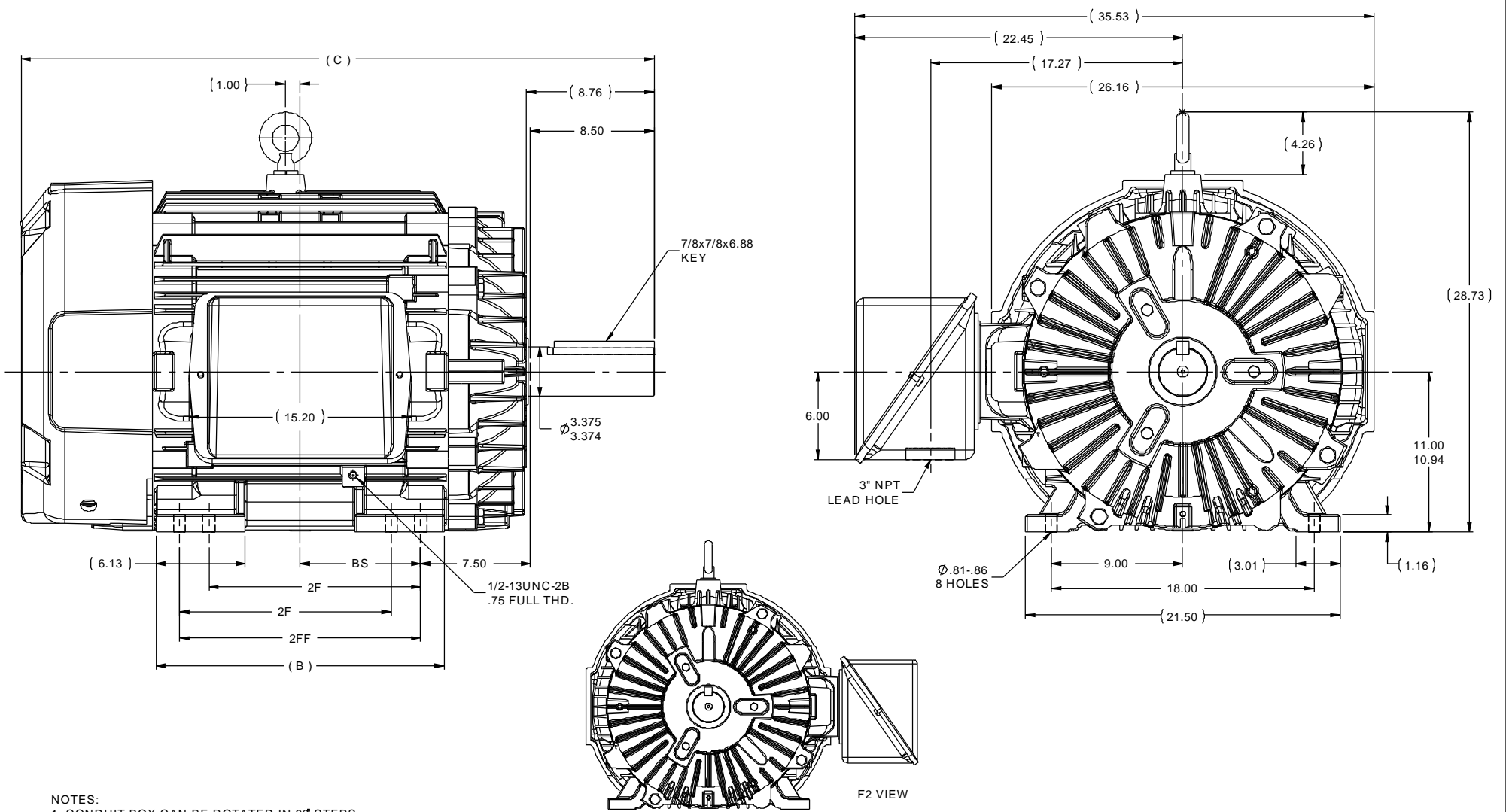
Nameplate Specifications

Output HP	200 Hp	Output KW	149.0 kW
Frequency	60 Hz	Voltage	460 V
Current	226.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	96.2 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	NU318	Opp Drive End Bearing Size	6316
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	.018 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	43.35 in
Frame Length	20.25 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS517026LE-2025	Connection Drawing	A-EE7300U-LE

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- 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. NAMPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	BS	2F	2FF
2025	444/445T	19.75	43.35	8.25	14.50	16.50

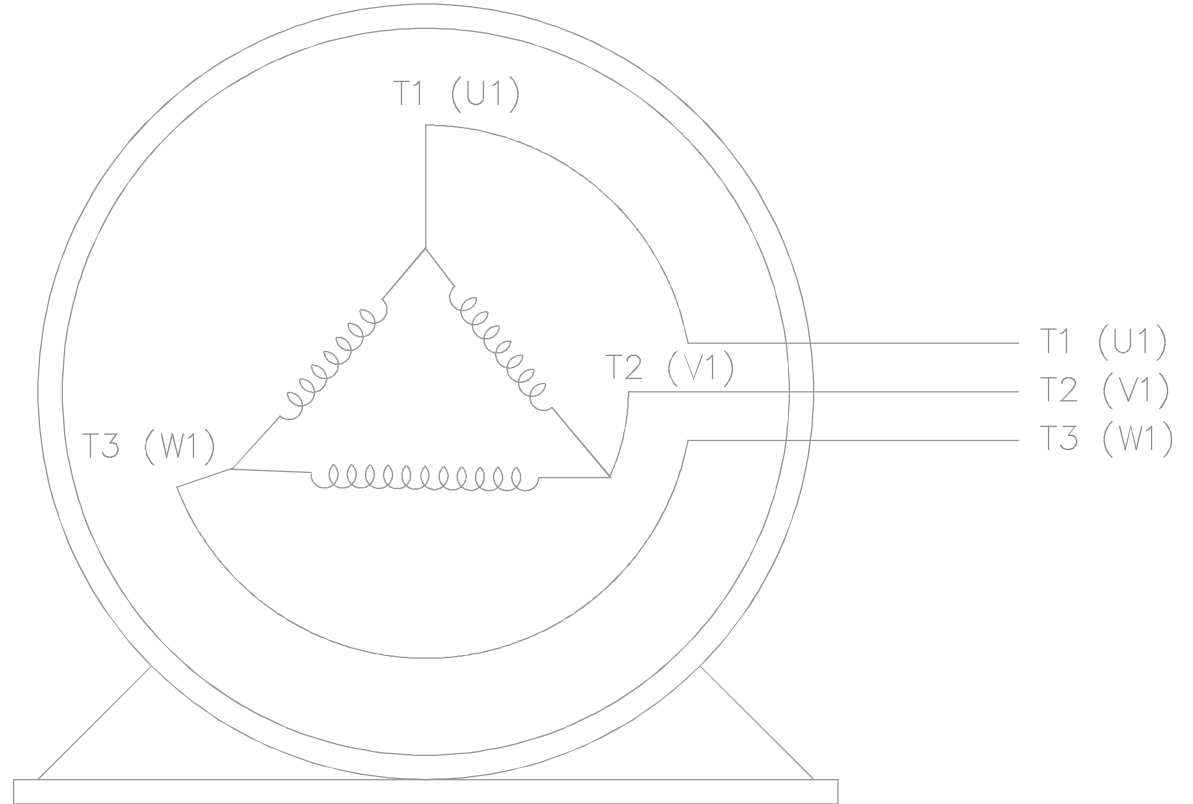
REVISION		BY & DATE		CHK LANG		RFP		PREV		SIZE	DRAWING NO	REV
1	UPDATED OUTLINE PER MU112461	JJB	03-19-2013	MH	XXXX	±.0005				B	SS517026LE	1

TOLERANCES UNLESS SPECIFIED		TITLE OUTLINE	
DEC	INCHES	444/445T FR. - TEFC - STD	
X	±.1		
XX	±.02		
XXX	±.005		
XXXX	±.0005		
±7'30"			

LEESON ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

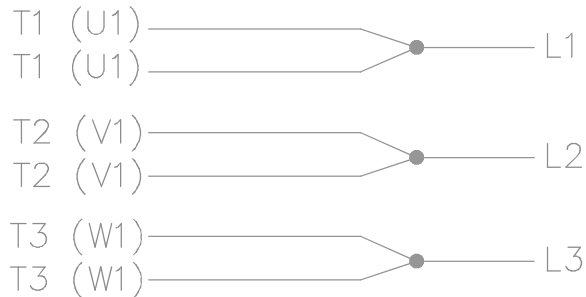
DRAWN MSG 02-18-2013
CHK TB 02-18-2013
APPR MSG 02-18-2013






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	APPD JES 03-24-2003		
				.X	± -	TITLE CONNECTION DIAGRAM 3Ø SINGLE VOLTAGE MAT'L. FINISH	SCALE 1=1	REF		
				.XX	± -		FMF	PREV		
				.XXX	± -					
				.XXXX	± -					
1	NEW DRAWING	MU45909	KL 03-24-2003	CHK	ANG ± -	CAD FILE EE7300U-LE	SIZE A	DRAWING NO. EE7300U-LE	PAGE OF 1	REV. 1
NO.	REVISION		BY & DATE	CHK	ANG ± -	DIST WA				

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Data Sheet

Date: 1/30/2018

811591.00



Data @ **460 V**

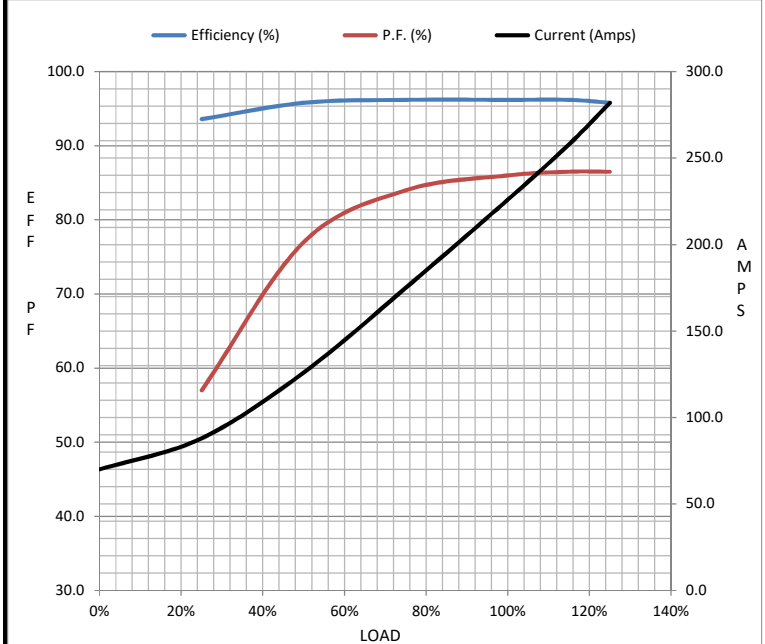
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	70.0	88.0	126	175	226	258	282	1,425
Torque (ft-lb)	0.00	146	293	441	589	678	738	975
RPM	1800	1795	1792	1788	1785	1,782	1778	0
Efficiency (%)		93.6	95.8	96.2	96.2	96.2	95.8	
P.F. (%)	4.5	57.0	77.0	84.0	86.0	86.5	86.5	27.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1785	1800
Current (Amps)	1,425	1,300	850	226	70.0
Torque (ft-lb)	975	900	1,450	589	0.00

Information Block				
HP	200.0			
Sync. RPM	1800			
Frame	445			
Enclosure	TEFC			
Construction	TFN			
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	59.0 Lb-Ft ²			
Ref Wdg	T4454159 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS517026LE-2025			
Conn. Diag	A-EE7300U-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0140	0.0110	0.1300	0.1400	3.7060



Speed - Torque Curve

