

PRODUCT INFORMATION PACKET



Model No: 811546.00
Catalog No: 811546.00
3 HP Severe Duty Motor, 3 phase, 3600 RPM, 460 V, 182T Frame, TENV
Severe Duty Motors



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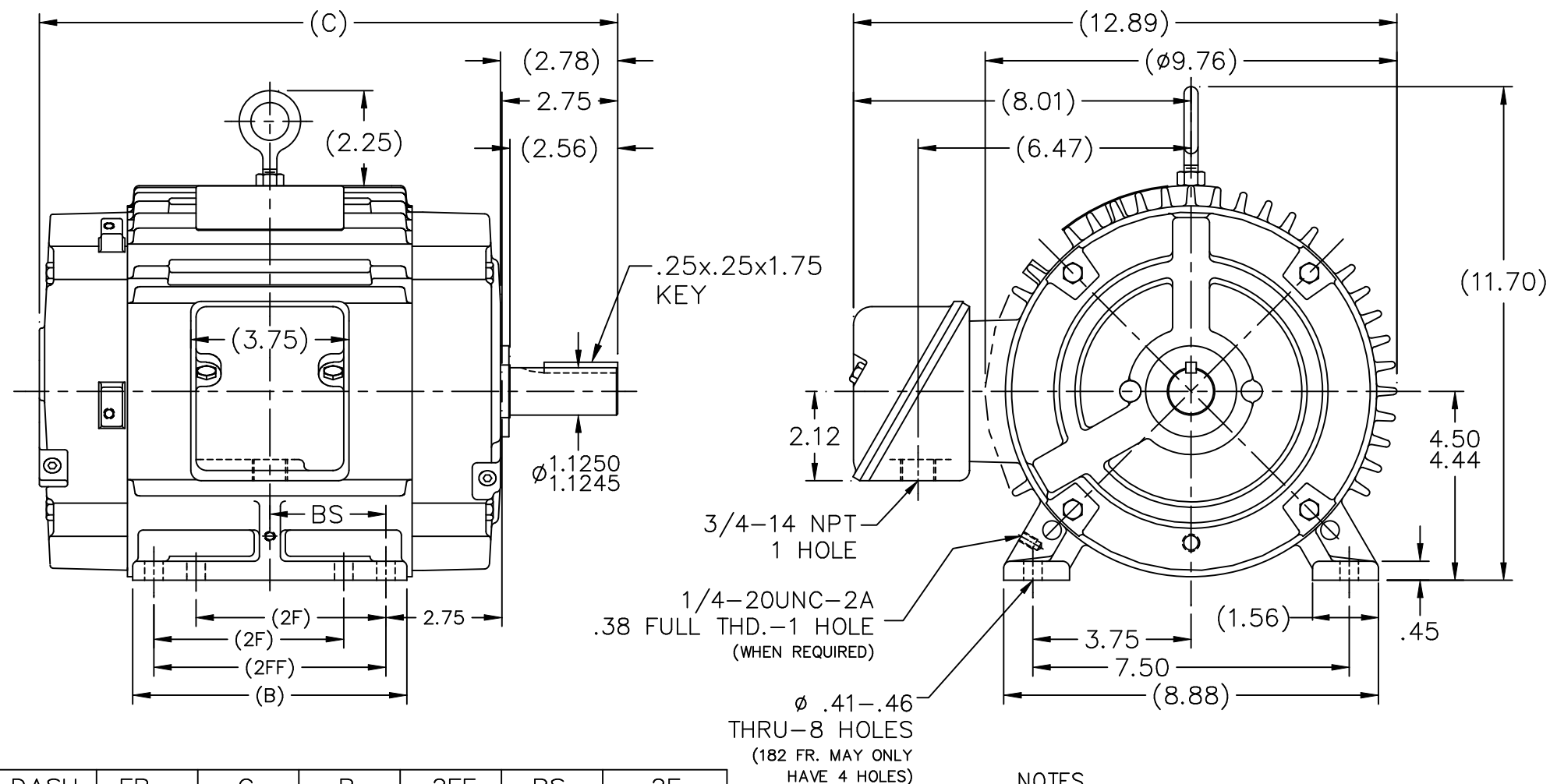


Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	460 V
Current	3.8 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Frame	182T	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	206	Opp Drive End Bearing Size	205
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	3.59 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	12.71 in
Frame Length	5.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Outline Drawing	A-SS68833LE-575	Connection Drawing	A-EE7300-LE



NOTES

1. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS & TURNING FRAME 180°.
2. BOX CAN BE ROTATED IN 90° STEPS.
3. NAMEPLATE READ FROM CONDUIT BOX SIDE.

DASH	FR.	C	B	2FF	BS	2F
575	182T	12.71	5.50	4.50	2.25	--
675	184T	13.71	6.50	5.50	2.75	4.50
800	184T	14.96	7.75	6.75	3.38	5.50

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN DRS 08-19-1999					
				DEC.	INCHES					CHK	ML	08-19-1999			
				.X	±.1					APPD	GK	08-19-1999			
				.XX	±.03					TITLE OUTLINE 180 FR.			SCALE	9=32	
				.XXX	±.005								REF		
				.XXXX	±.0005	MAT'L.			FMF						
NO.	REVISION			BY & DATE	CHK	ANG	± 7'30"			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 SS68833LE			SIZE A	DRAWING NO. PAGE OF SS68833LE			REV.	
					DIST LB										

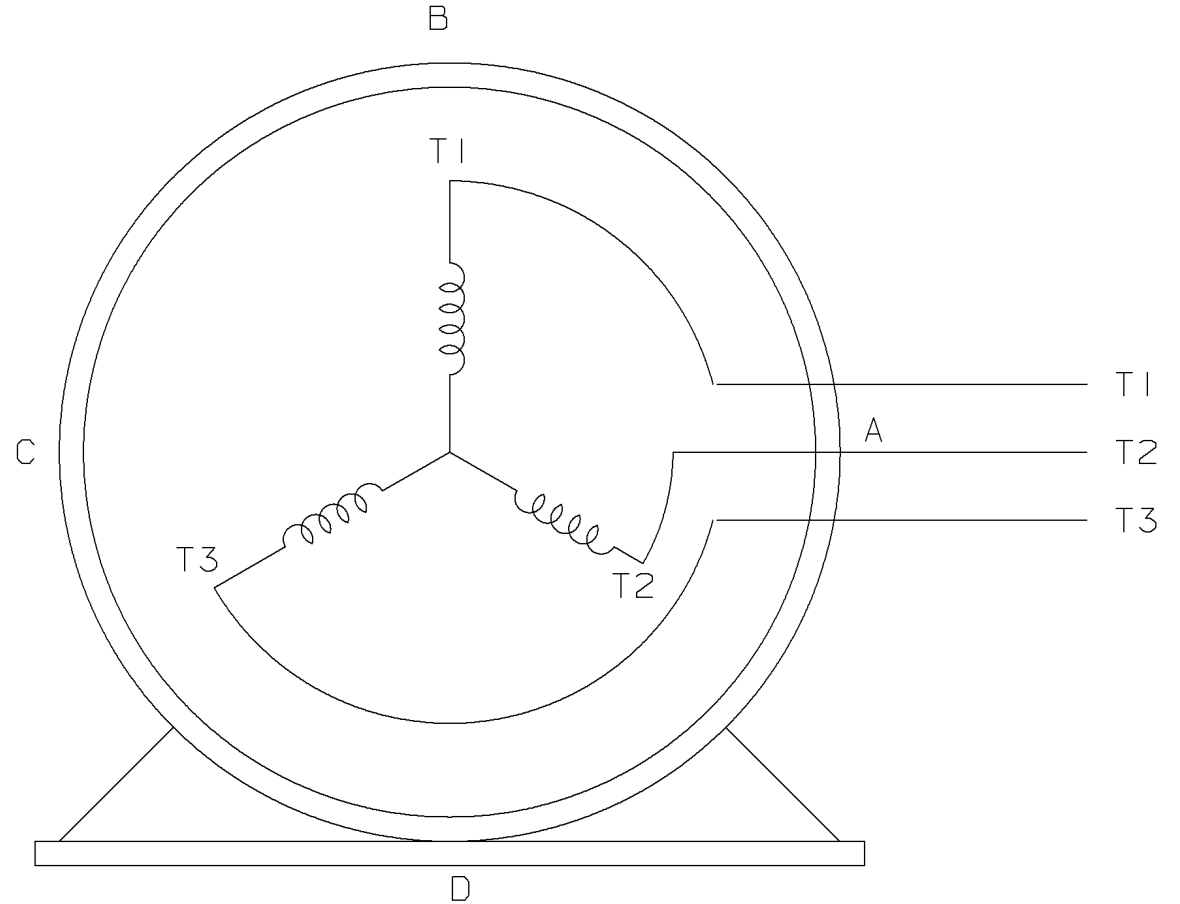
ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/im
-savelevel-

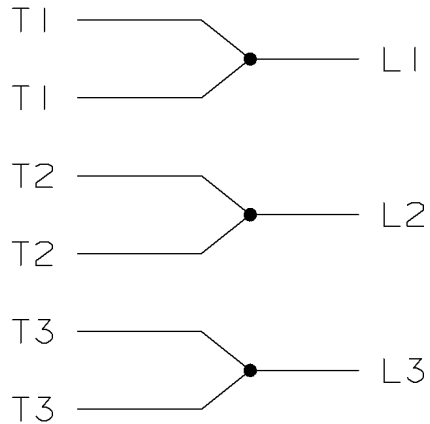
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

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				
I	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	MAT'L. 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					PURCHASED		CAD FILE EE7300-LE	SHOP BOOK		SIZE	DRAWING NO.	REV.
					DIST WA - LB - WP - LM - BR - BY				A	EE7300-LE	I	



CERTIFICATION DATA SHEET

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

CATALOG #: 811546.00

CONN. DIAGRAM: A-EE7300-LE

OUTLINE: A-SS68833LE-575

MOUNTING: F1/F2 CAPABLE

WINDING #: 182258 TS 7

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3525	182T	TENV	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	460	3.8	LINE OR INVERTER	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	89.5	3/4 LOAD EFF:	88.5	1/2 LOAD EFF:	85.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	85	3/4 LOAD PF:	77	1/2 LOAD PF:	65.5	87.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	29	9 LB-FT 200 %	15.8 LB-FT 351 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	0.23 LB-FT^2	4 LB-FT^2	15 SEC.	2	80 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	FALSE	NONE	GREEN - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON
206	205						

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

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INVERTER TORQUE: CONSTANT 2:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

NONE NONE

FT-LB NONE V NONE Hz

Data Sheet

Date: 1/29/2018

811546.00



Data @ 460 V

Motor Load Data

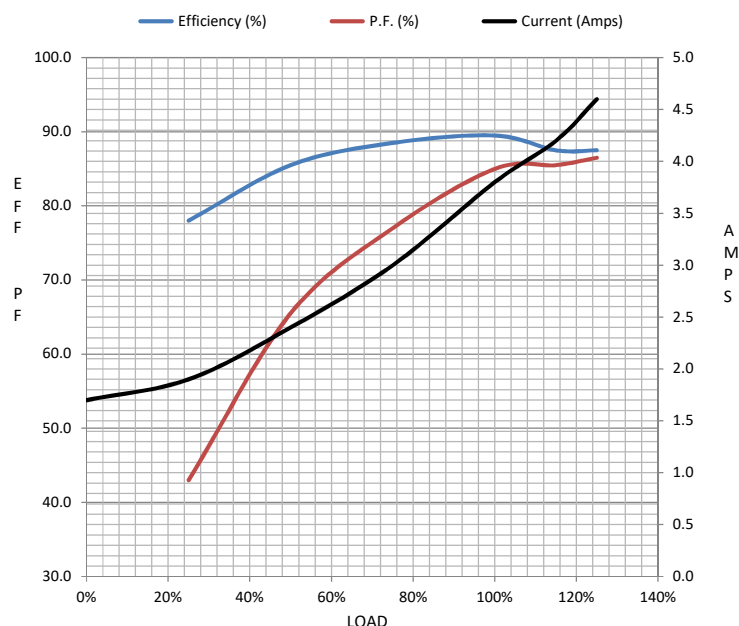
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	1.90	2.40	3.0	3.8	4.2	4.6	29.0	
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	5.2	5.6	9.0	
RPM	3600	3582	3562	3544	3525	3,505	3490	0	
Efficiency (%)		78.0	85.5	88.5	89.5	87.5	87.5		
P.F. (%)	6.5	43.0	65.5	77.0	85.0	85.5	86.5	39.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3115	3525	3600
Current (Amps)	29.0	26.0	18.0	3.8	1.70
Torque (ft-lb)	9.0	6.8	15.8	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	182			
Enclosure	TENV			
Construction	TTS			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.23 Lb-Ft²			
Ref Wdg	182258 TS			
Sound Pressure @ 1M	65 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-SS68833LE-575			
Conn. Diag	A-EE7300-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.7780	2.0150	7.3220	2.4500	167.4420



Speed - Torque Curve

