

PRODUCT INFORMATION PACKET

Model No: 5011LXVFS6579

Catalog No: Y935

350 HP 350,1200,TEFC,5011LX(BAR),3/60/2300/4000, 3 phase, 1200 RPM, 2300/4000 V, 5011LX Frame, TEFC



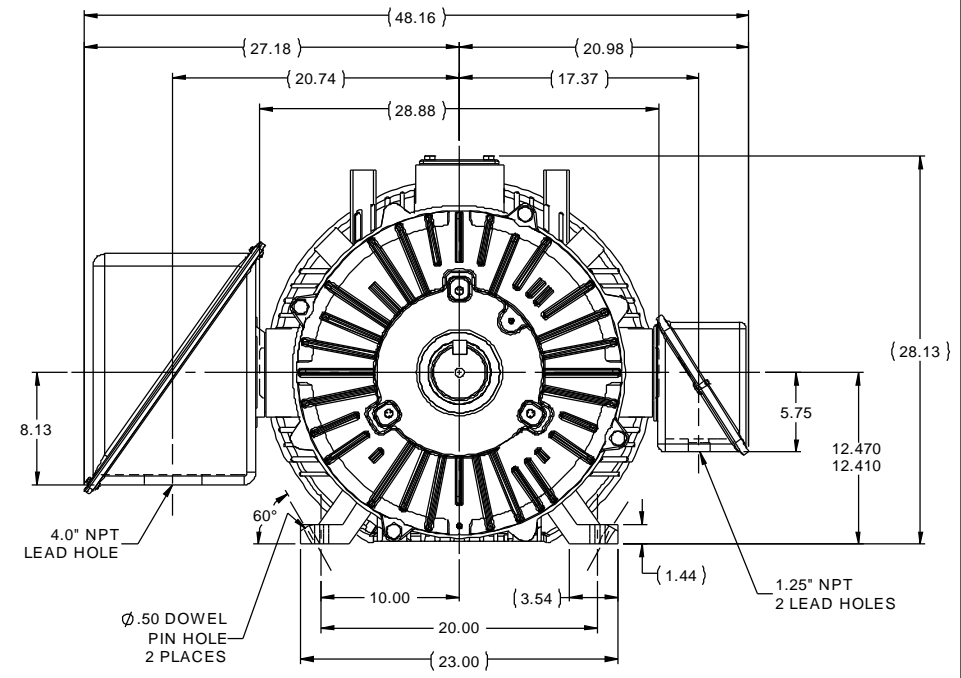
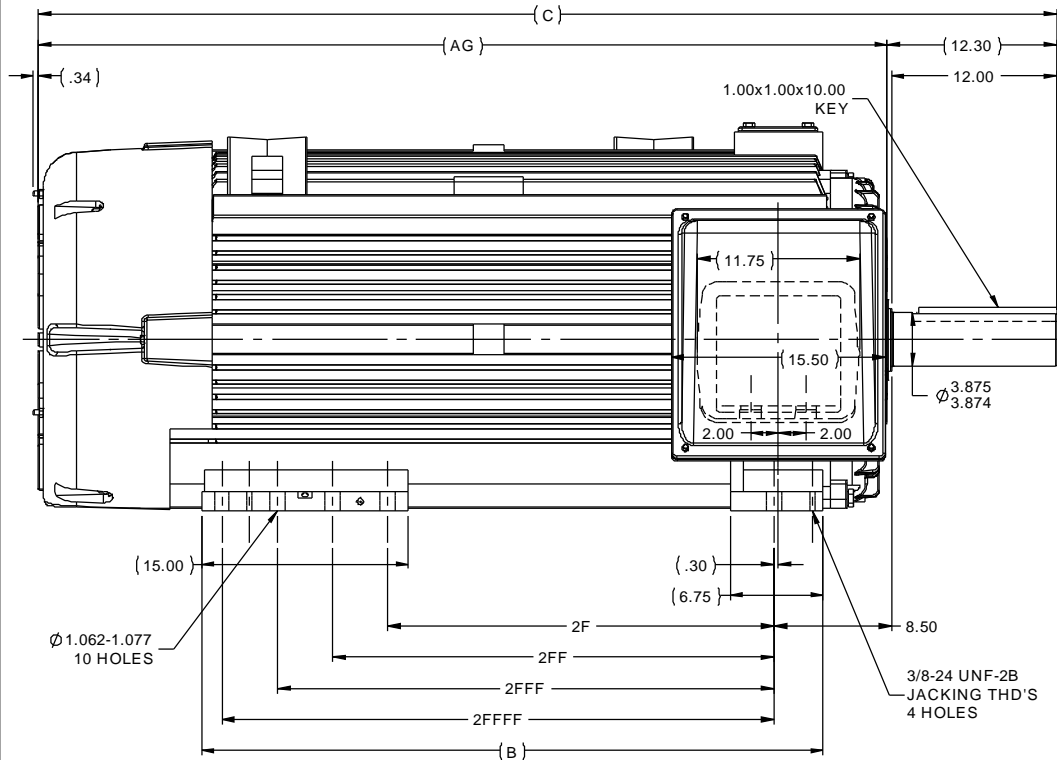
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Nameplate Specifications

Phase	3	Output HP	350 Hp
Output KW	260.0 kW	Voltage	2300/4000 V
Speed	1190 rpm	Service Factor	1.15
Frame	5011LX	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.8 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	81.5/47.0 A	Power Factor	83
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	G
Drive End Bearing Size	6324	Opp Drive End Bearing Size	6318
UL	No	CSA	Y
CE	N	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.28 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	LX	Overall Length	73.80 in
Frame Length	49.50 in	Shaft Diameter	3.875 in
Shaft Extension	12.3 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS518707-4950	Connection Drawing	A-EE7304AC



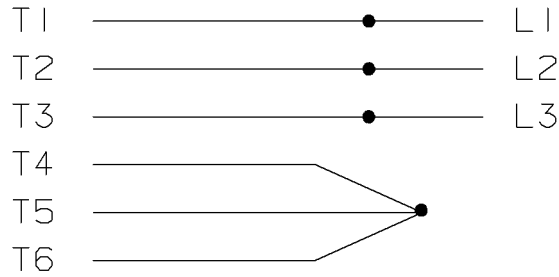
- NOTES:
1. MAIN CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. AUX. CONDUIT BOX CAN BE ROTATED 180°.
 3. NAMEPLATES TO BE READ FROM MAIN CONDUIT BOX SIDE OF MOTOR.
 4. MOTOR WEIGHT (MAXIMUM) = 5,500 LBS.

(B-SS518452)

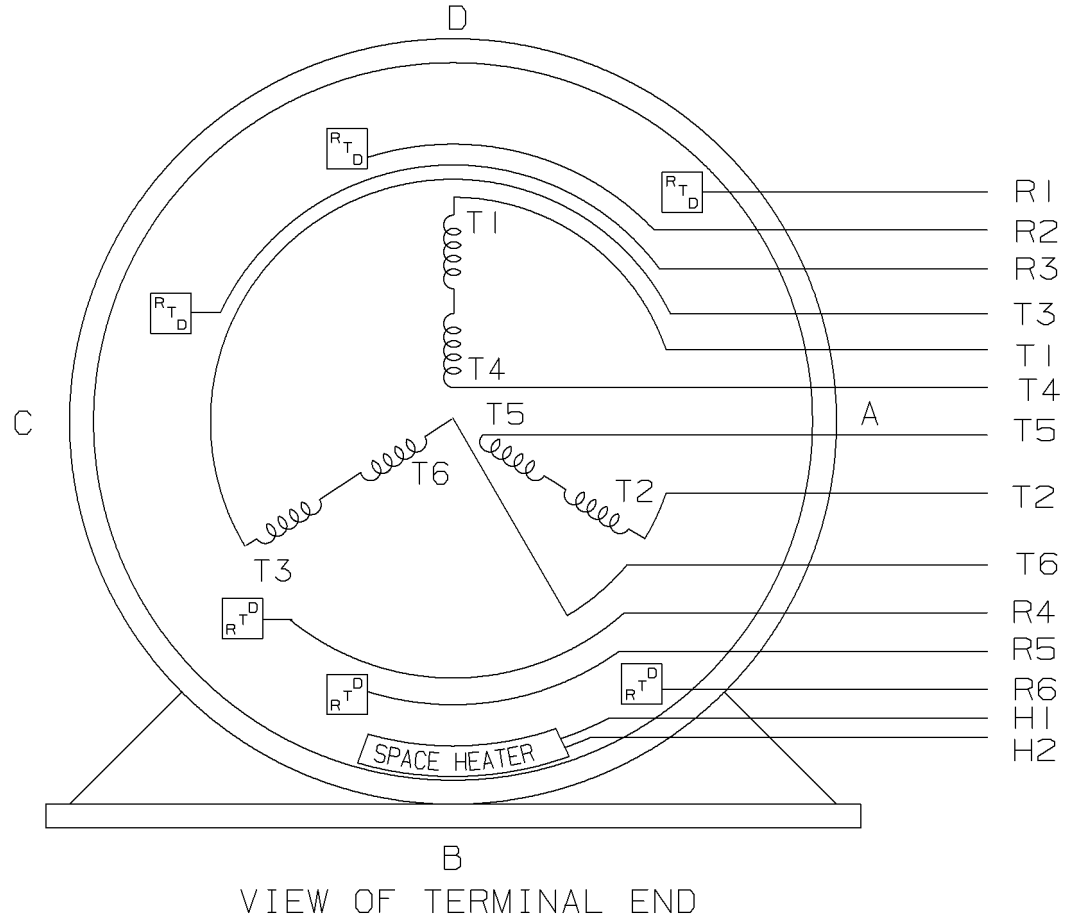
DASH	FRAME	B	C	AG	2F	2FF	2FFF	2FFFF
4950	5009LX	45.05	73.80	61.51	28.00			
4950	5010LX	45.05	73.80	61.51		32.00		
4950	5011LX	45.05	73.80	61.51			36.00	
4950	5012LX	45.05	73.80	61.51				40.00

4 REDRAWN IN SOLIDWORKS - FIXED BS DIM PER ECO-0036077		JHA 08-30-2013	DJK	DEC	INCHES		DRAWN HLB 09-07-2001
3 ADDED .50" MATERIAL TO C'BOX MTG. AREA, 48.08 WAS			X		±.1		CHK ML 09-19-2001
47.58, 27.18 WAS 26.68, 20.75 WAS 20.25 CN 37629		MSG 02-26-2004	ML	XX	±.03		APPR GK 09-19-2001
2 ADDED MISSING FOOT DIMENSIONS CN 34303		HLB 11-06-2001		XXX	±.005		SCALE 1:9
1 NEW DRAWING - DEV ENG CN 4303		HLB 09-19-2001		XXXX	±.0005	TITLE OUTLINE - TEFC - F1/F2/F3 MOUNT	REF
NO REVISION		BY & DATE	CHK LANG	±7'30"	FINISH	5009-12LX FR. - CAST CONDUIT BOX	FMF
THIRD ANGLE PROJECTION			RFP	ANG	PREV	NETWORK FILE NAME SS518707	PAGE OF
						SIZE B	DRAWING NO SS518707
							REV 4

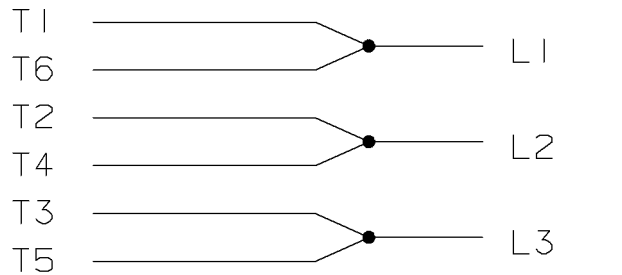
HIGH VOLTAGE
"Y" CONNECTION



THREE PHASE - DUAL VOLTAGE
WITH 6 RTD'S 2 PER PHASE AND SPACE HEATER



LOW VOLTAGE - DELTA



VIEW OF TERMINAL END

				<input checked="" type="checkbox"/> MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±		
				MATL SPEC			DRAWN BY CAE 05-07-1999 CHKD BY
				FINISH	MARATHON ELECTRIC WAUSAU, WISCONSIN 54401		APPD BY
I		NEW DRAWING	MU 25017	CAE	PART NAME CONNECTION DIAGRAM - THREE PHASE DUAL VOLTAGE 6 RTD'S & SPACE HEATER		DRWG NO A- EE7304AC
REV	DATE	CHANGE		NAME			

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM

CADD FILE NO.

EE7304AC

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
```

```
STACK:
```

```
-dictionary-  
-dictionary-  
/Pscript_WinNT_Compat  
-dictionary-
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CERTIFICATION DATA SHEET

Model#: 5011LXVFS6579 DE **WINDING#:** V511630 NONE 0
CONN. DIAGRAM: A-EE7304AC **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: B-SS518707-4950

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
350	260	1200	1190	5011LX	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	2300/4000	81.5/47	ACROSS THE LINE	CONTINUOUS	H	1.15	40	3300

FULL LOAD EFF: 95.8	3/4 LOAD EFF: 95.8	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83	3/4 LOAD PF: 79	1/2 LOAD PF: 69	95.4	SQ CAGE IND RUN	32 / 18.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1545 LB-FT	510 / 293.3	1650 LB-FT 107	3600 LB-FT 233	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	340 LB-FT^2	- LB-FT^2	20 SEC.	-	4700 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	NONE	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	SHC-100/POLYREX	LX	NONE	NONE	4140 STRESSPROOF (C-214)	CAST IRON
6324	6318						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	PLATINUM TWO PER PHASE 100	NONE	NONE	FALSE	120 VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
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

DATE: 06/28/2017 05:33:10 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



5011LXVFS6579

Submittal

Data @ 4000 V

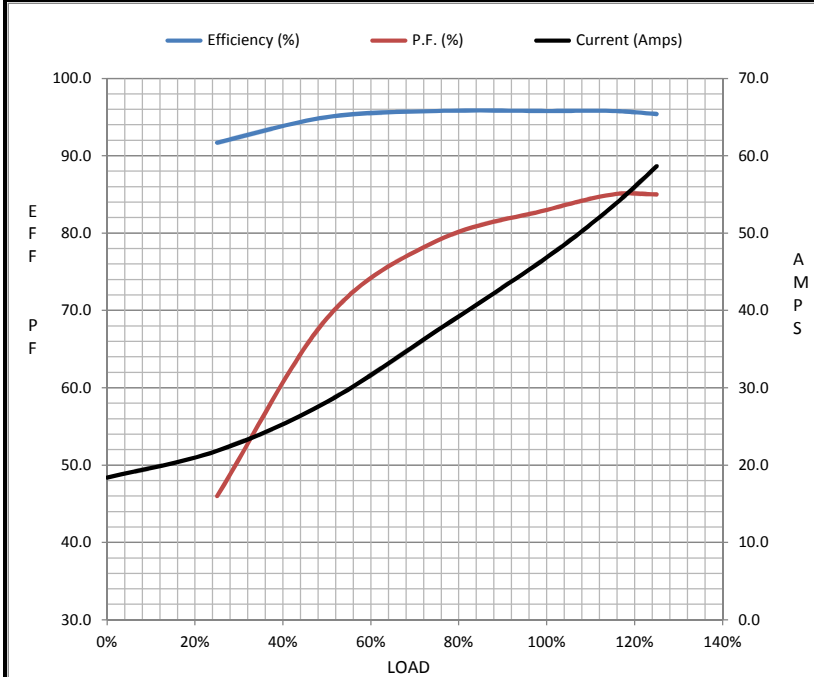
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	18.4	21.9	28.2	37.4	46.9	53.5	58.7	293
Torque (ft-lb)	0.00	384	769	1,156	1,545	1,778	1,935	1,650
RPM	1200	1198	1195	1192	1190	1,188	1185	0
Efficiency (%)		91.7	95.0	95.8	95.8	95.8	95.4	
P.F. (%)	4.0	46.0	69.0	79.0	83.0	85.0	85.0	20.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1150	1190	1200
Current (Amps)	293	273	158	46.9	18.4
Torque (ft-lb)	1,650	1,450	3,600	1,545	0.00

Information Block				
HP	350.0			
Sync. RPM	1200			
Frame	5011			
Enclosure	TEFC			
Construction	TFN			
Voltage	2300/4000 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	340 Lb-Ft ²			
Ref Wdg	V511630 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS518707-4950			
Conn. Diag	A-EE7304AC			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.7370	0.4300	4.5440	7.0610	143.3660



Speed - Torque Curve

