

# PRODUCT INFORMATION PACKET

Model No: 5011SVFS16505  
Catalog No: Y260  
350,3600,TEFC,5011S,3/60/2300/4000  
Medium And High Voltage NEMA



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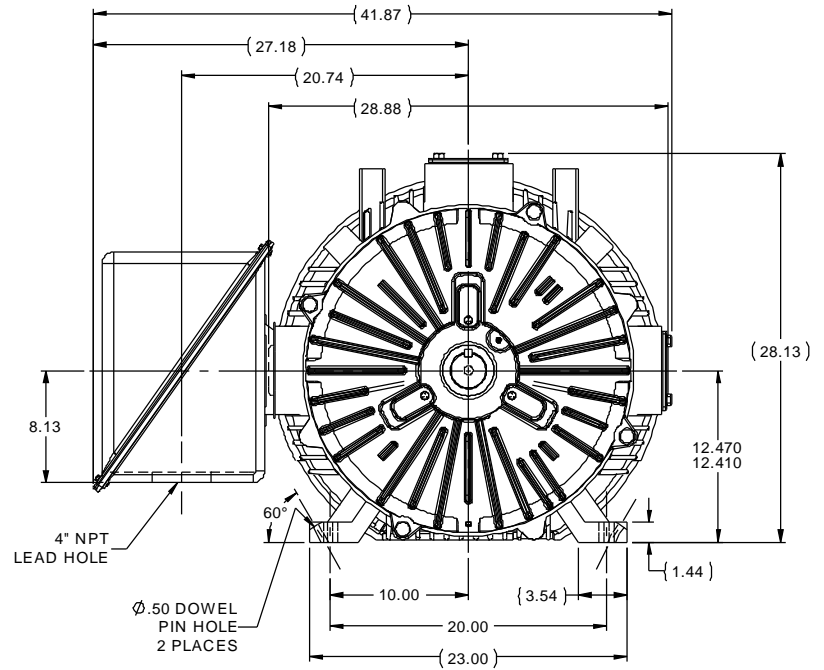
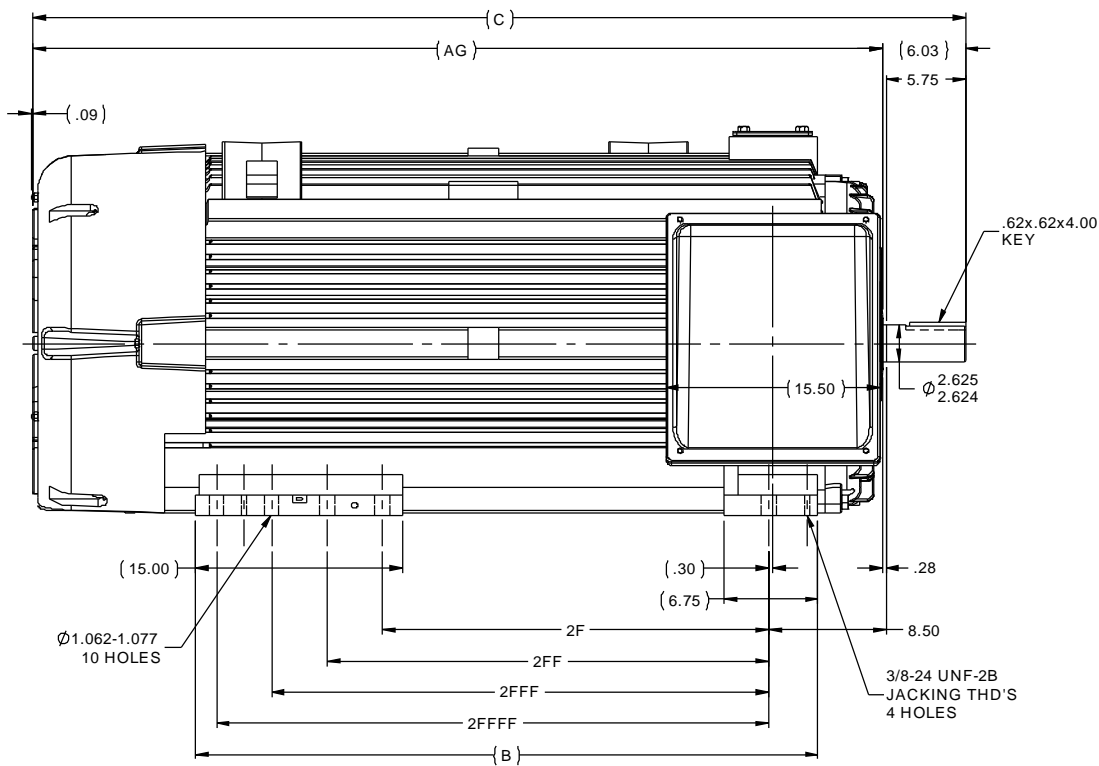
### Nameplate Specifications

Output HP	<b>350 Hp</b>	Output KW	<b>260 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>2300/4000 V</b>
Current	<b>76.5/44 A</b>	Speed	<b>3578 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>94.5 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>H</b>	Design Code	<b>A</b>
KVA Code	<b>J</b>	Frame	<b>5011S</b>
Enclosure	<b>TEFC</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6314</b>
Opp Drive End Bearing Size	<b>6314</b>	UL	<b>No</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>55</b>		

### Technical Specifications

Electrical Type	<b>SQ CAGE IND RUN</b>	Starting Method	<b>ACROSS THE LINE</b>
Poles	<b>2</b>	Rotation	<b>REV</b>
Mounting	<b>RIGID</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>CAST IRON</b>	Shaft Type	<b>S</b>
Overall Length	<b>67.55 in</b>	Frame Length	<b>49.5 in</b>
Shaft Diameter	<b>2.63 in</b>	Shaft Extension	<b>6.03 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>B-SS552412-4950</b>	Connection Diagram	<b>A-EE7304</b>

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- 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.

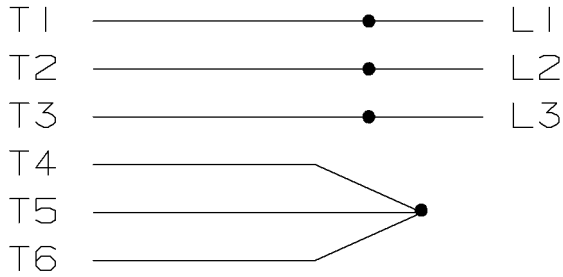
DASH	FRAME	B	C	AG	2F	2FF	2FFF	2FFFF
4950	5009S	45.05	67.55	61.52	28.00			
4950	5010S	45.05	67.55	61.52		32.00		
4950	5011S	45.05	67.55	61.52			36.00	
4950	5012S	45.05	67.55	61.52				40.00

		TOLERANCES UNLESS SPECIFIED		DRAWN RWR 04-17-2007	
		DEC INCHES		CHK ML 04-23-2007	
		X ±.1		APPR JES 04-24-2007	
		XX ±.03		SCALE 1:9	
		XXX ±.005		REF B-SS518309	
1	REDRAWN IN SOLIDWORKS - FIXED BS DIM PER ECO-0036077	JHA	08-14-2013	DJK	XXXX ±.0005
NO	REVISION	BY & DATE	CHK	ANG ±7°30'	FINISH
		RFP 04-24-2007		PREV B-SS517397	
		THIRD ANGLE PROJECTION		NETWORK FILE NAME SS552412	
		SIZE B		DRAWING NO SS552412	
		PAGE OF		REV 1	

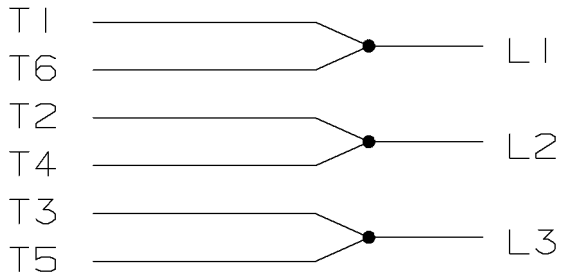
TITLE OUTLINE - TEFC - F1/F2/F3 MTG.  
5009-12S FR. - CAST C'BOX

**marathon electric**

HIGH VOLTAGE  
"Y" CONNECTION

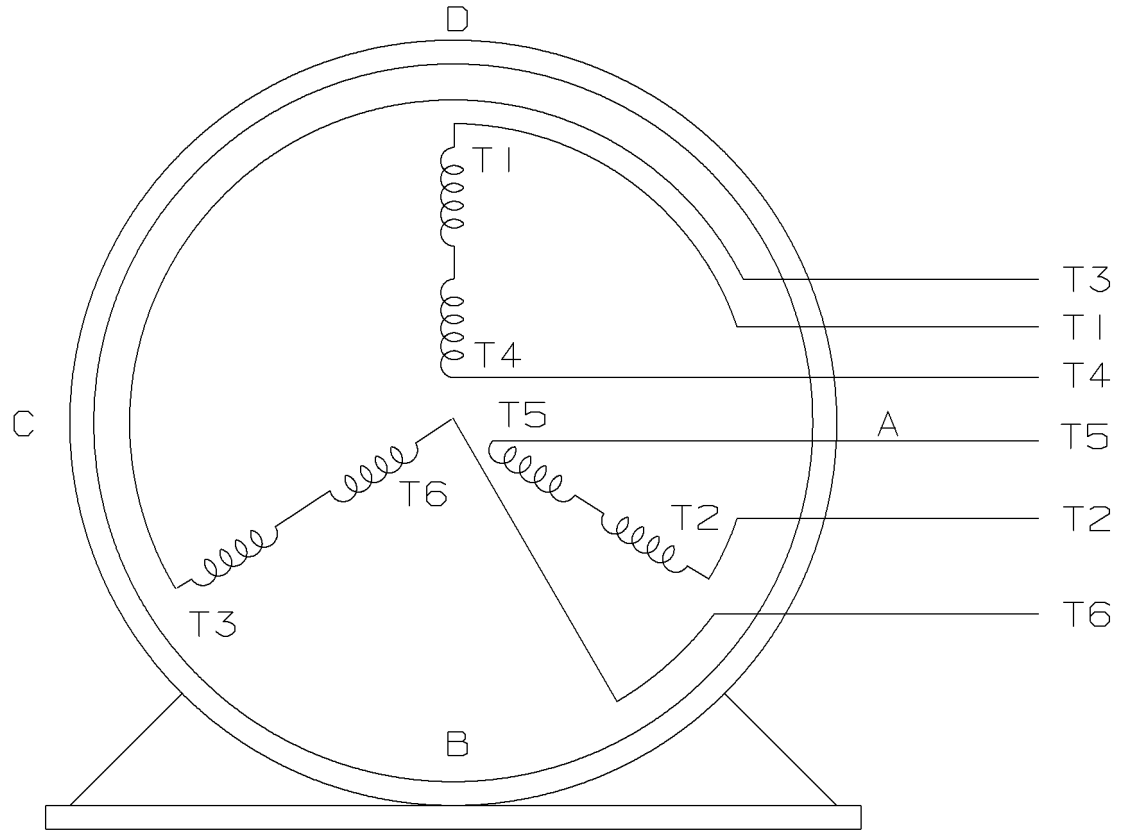


LOW VOLTAGE - DELTA




THREE PHASE - DUAL VOLTAGE

A- EE7304



VIEW OF TERMINAL END

T2DL  
T2C  
T4CC  
T4AY  
T4AZ  
WP =T4J1

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7'30"		
				MATL SPEC		DRAWN BY LZ	01-04-1994
				FINISH		CHKD BY ML	01-18-1994
9	01-24-1994	REDRAWN ON CADD	LZ	REFERENCE DRW.	WAUSAU, WISCONSIN 54401	APPD BY GK	01-18-1994
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM THREE PHASE, DUAL VOLTAGE			DRWG NO A- EE7304

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE7304



Data Sheet

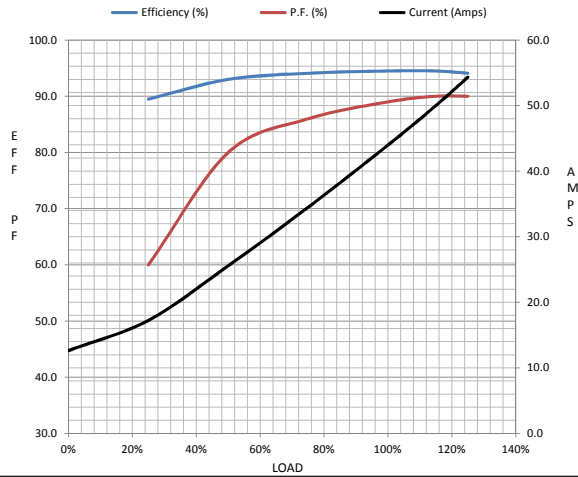
Date: 19-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



5011SVFS16505  
**Submittal**  
 Data @ 4000 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	12.7	17.3	25.6	34.5	44.0	50.0	54.3	374	
Torque (ft-lb)	0.00	128	256	385	514	592	644	1,050	
RPM	3600	3595	3588	3582	3578	3,575	3572	0	
Efficiency (%)		89.5	93.0	94.1	94.5	94.5	94.1		
P.F. (%)	8.0	60.0	80.0	86.0	89.0	90.0	90.0	27.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	1800	3400	3578	3600	HP	350.0
Current (Amps)	374	302	216	44.0	12.7	Sync. RPM	3600
Torque (ft-lb)	1,050	900	1,750	514	0.00	Frame	5011
						Enclosure	TEFC
						Construction	TFN
						Voltage	2300/4000 V
						Frequency	60 Hz
						Design	A
						LR Code letter	J
						Service Factor	1.15
						Temp Rise @ FL	75 ° C
						Duty	CONT
						Ambient	40 ° C
						Elevation	1,000 feet
						Rotor/Shaft wk²	118 Lb-Ft²
						Ref Wdg	V511202 R2
						Sound Pressure @ 1M	82 dBA
						VFD Rating	NONE
						Outline Dwg	B-SS52412-4950
						Conn. Diag	A-EE7304



HP	350.0			
Sync. RPM	3600			
Frame	5011			
Enclosure	TEFC			
Construction	TFN			
Voltage	2300/4000 V			
Frequency	60 Hz			
Design	A			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	75 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	118 Lb-Ft²			
Ref Wdg	V511202 R2			
Sound Pressure @ 1M	82 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS52412-4950			
Conn. Diag	A-EE7304			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4130	0.3460	3.7640	4.7200	171.6530

