

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 5011SVFS16505  
Catalog No: Y260  
350,3600,TEFC,5011S,3/60/2300/4000



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

**RegalRexnord**

## Nameplate Specifications

## Technical Specifications

Shaft Diameter	2.625 in
----------------	----------

---

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:04/24/2023

**CERTIFICATION DATA SHEET**

**Model#:** 5011SVFS16505 AA  
**CONN. DIAGRAM:** A-EE7304  
**OUTLINE:** B-SS552412-4950

**WINDING#:** V511202 R2 0  
**ASSEMBLY:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
350	260	3600	3578	5011S	TEFC	J	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	2300/4000	76.5/44	ACROSS THE LINE	CONTINUOUS	H1	1.15	40	3300

FULL LOAD EFF: 94.5	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89	3/4 LOAD PF: 86	1/2 LOAD PF: 80	94.1	SQ CAGE IND RUN	22 / 12.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
514 LB-FT	650 / 373.8	1050 LB-FT 204	1750 LB-FT 340	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	118 LB-FT^2	- LB-FT^2	20 SEC.	-	5200 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	POLYREX EM	S	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	6314						

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

If Inverter equals NONE, contact factory for further information

\*  
N  
O  
T  
E  
S  
\*

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 05:33:53 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

**Data Sheet**

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



5011SVFS16505

**Submittal**

Data @ **4000 V**

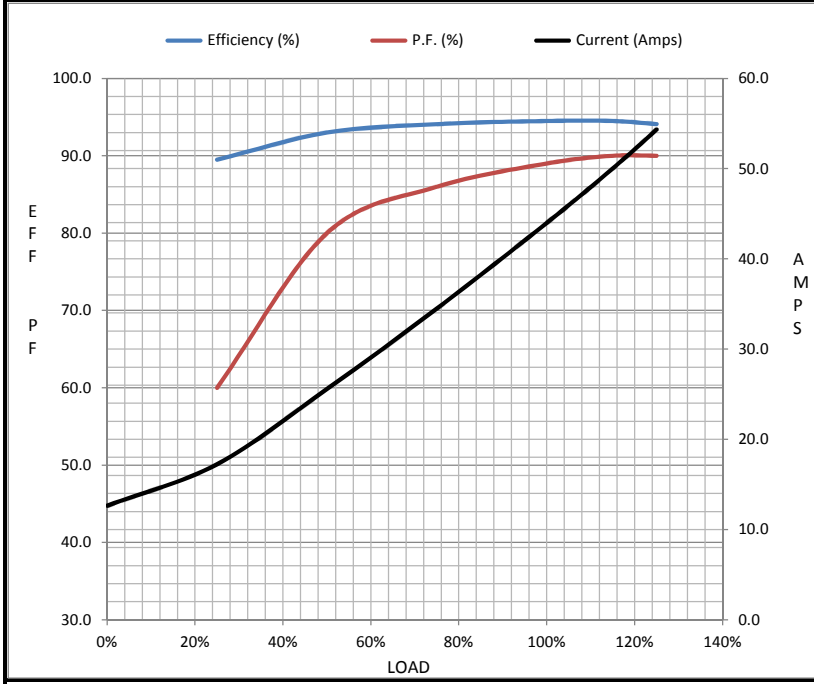
**Motor Load Data**

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**

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3400	3578	3600
Current (Amps)	374	302	216	44.0	12.7
Torque (ft-lb)	1,050	900	1,750	514	0.00

Information Block	
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 wk <sup>2</sup>	118 Lb-Ft <sup>2</sup>
Ref Wdg	V511202 R2
Sound Pressure @ 1M	82 dBA
VFD Rating	NONE
Outline Dwg	B-SS552412-4950
Conn. Diag	A-EE7304
Additional Specifications:	
0	
365THFS8036	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.4130	0.3460
X1	X2
3.7640	4.7200
Xm	
171.6530	



**Speed - Torque Curve**

