

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 5011LXVFS6544
Catalog No: Y936
400,1800,TEFC,5011LX,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	3.875 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#: 5011LXVFS6544 AE

WINDING#: V511408 NONE 0

CONN. DIAGRAM: A-EE7304

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS518002-4950

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
400	300	1800	1780	5011LX	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	2300/4000	92/53	ACROSS THE LINE	CONTINUOUS	H1	1.15	40	3300

FULL LOAD EFF: 95.4	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85	3/4 LOAD PF: 82	1/2 LOAD PF: 75	95	SQ CAGE IND RUN	30.5 / 17.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1178 LB-FT	580 / 333.5	2100 LB-FT 178	3150 LB-FT 267	90

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
88 dBA	98 dBA	180 LB-FT^2	- LB-FT^2	20 SEC.	-	4650 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						
6324	6318	POLYREX EM	LX	NONE	NONE	4140 STRESSPROOF (C-214)	CAST IRON

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

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

*
N
O
T
E
S
*

DATE: 06/28/2017 05:30:33 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



5011LXVFS6544

Submittal

Data @ 4000 V

Motor Load Data

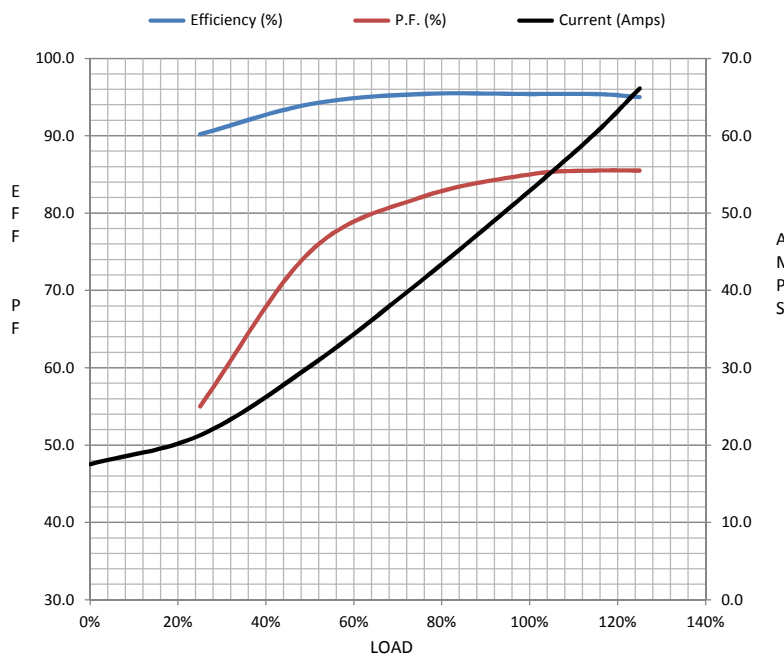
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	17.5	21.3	30.2	41.1	52.9	60.4	66.1	334	
Torque (ft-lb)	0.00	293	586	882	1,178	1,358	1,478	2,100	
RPM	1800	1795	1792	1785	1780	1,778	1775	0	
Efficiency (%)		90.2	94.1	95.4	95.4	95.4	95.0		
P.F. (%)	5.0	55.0	75.0	82.0	85.0	85.5	85.5	25.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1780	1800
Current (Amps)	334	288	201	52.9	17.5
Torque (ft-lb)	2,100	1,775	3,150	1,178	0.00

Information Block

HP	400.0			
Sync. RPM	1800			
Frame	5011			
Enclosure	TEFC			
Construction	TFN			
Voltage	2300/4000 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.0			
Temp Rise @ FL	90 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	180 Lb-Ft²			
Ref Wdg	V511408 NONE			
Sound Pressure @ 1M	88 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS518002-4950			
Conn. Diag	A-EE7304			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.8530	0.3700	11.9880	19.6310	391.0050



Speed -Torque Curve

