

PRODUCT INFORMATION PACKET

Model No: 5011LXVFS6544
Catalog No: Y936
400,1800,TEFC,5011LX,3/60/2300/4000
Medium And High Voltage NEMA



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



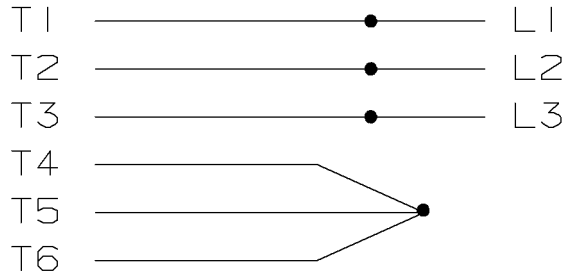
Nameplate Specifications

Output HP	400 Hp	Output KW	300 kW
Frequency	60 Hz	Voltage	2300/4000 V
Current	92/53 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Duty	CONTINUOUS
Insulation Class	H	Design Code	B
KVA Code	G	Frame	5011LX
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6324
Opp Drive End Bearing Size	6318	UL	No
CSA	Y	CE	N
IP Code	55		

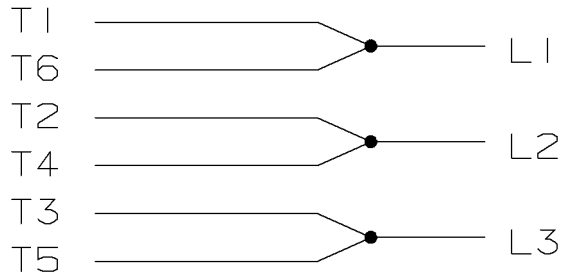
Technical Specifications

Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	4	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	LX
Overall Length	73.8 in	Frame Length	49.5 in
Shaft Diameter	3.88 in	Shaft Extension	12.3 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS518002-4950	Connection Diagram	A-EE7304

HIGH VOLTAGE
"Y" CONNECTION

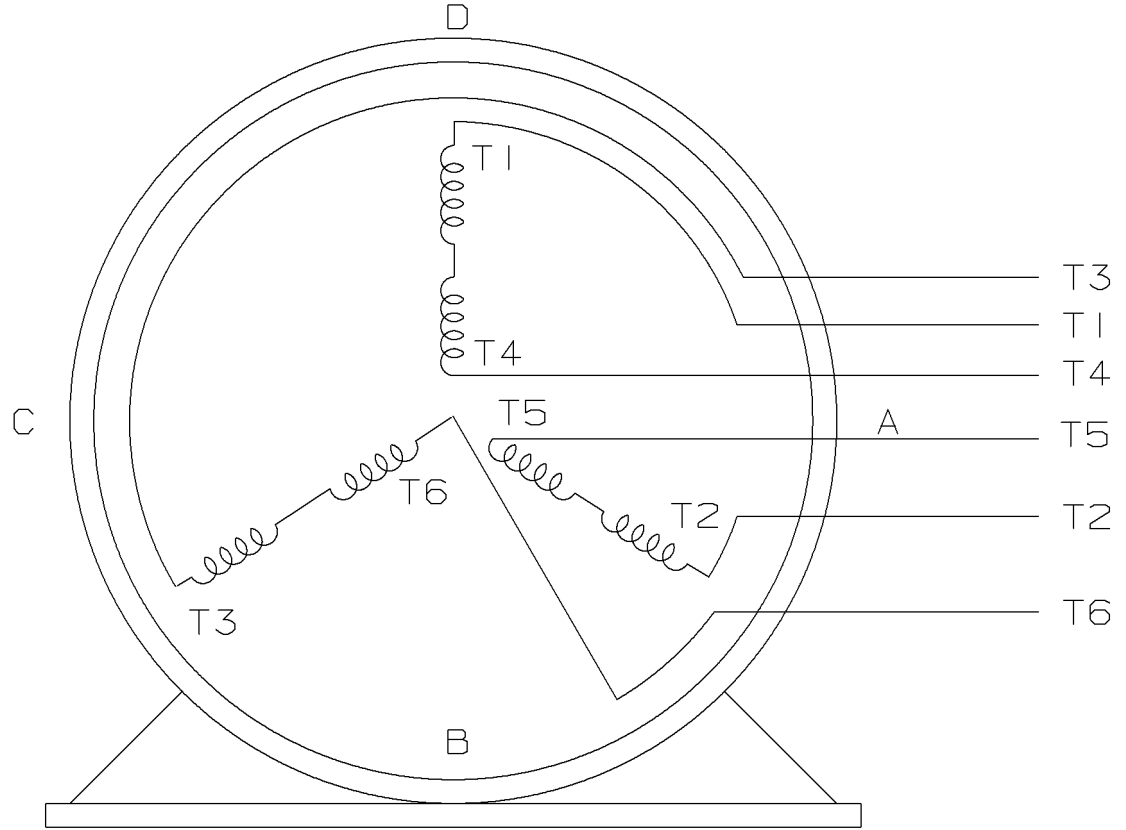


LOW VOLTAGE - DELTA



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: 16-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



5011LXVFS6544

Submittal

Data @ 4000 V

Motor Load Data

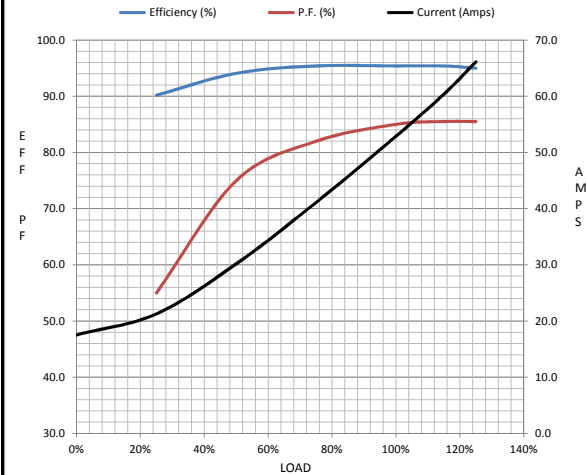
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	17.5	21.3	30.2	41.1	52.9	60.4	66.1	334
Torque (ft-lb)	0.00	293	586	882	1,178	1,358	1,478	2,100
RPM	1800	1795	1792	1785	1780	1,778	1,775	0
Efficiency (%)		90.2	94.1	95.4	95.4	95.4	95.0	
P.F. (%)	5.0	55.0	75.0	82.0	85.0	85.5	85.5	25.0

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 wk ²	180 Lb-Ft ²			
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

