



GE INDUSTRIAL MOTORS
a WOLONG company

Product Information Packet

January 10, 2024

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number:	5KFS163ZWL2119
Catalog Number:	WI292
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6965AA

Accessory Connection Diagrams

Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	--
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03

Marks:

MODEL NUMBER:	5KFS163ZWL2119	Estimated Weight(kg):	129
Outline Drawing:	358B6965AA	Duty:	S1
Connection Diagram:	--	Enclosure:	TEFC
Connection:	DELTA / WYE	Encl Construction:	Energy Saver
Instruction Book:	GEI-M1052-SP	Cooling (IC):	411
Design Code:	NA	Protection (IP):	55
Type:	KFS	Ambient Max (°C):	40
Frame:	160L	Alt Ambient Max(°C):	--
Mounting (IM):	B3	Ambient Min(°C):	-15
Phases:	3	Insulation Class:	F
Poles:	4	IEC Design:	N
Output Power:	20HP/15kW	Nominal Efficiency (%):	IE3-92.1
RPM:	1470	Guaranteed Efficiency (%):	90.9
Voltage(V):	400/690	Power Factor (%):	86.0
Hertz:	50	Efficiency at 75% load (%):	92.5
Amps - FL:	27.3/15.8	Efficiency at 50% load (%):	92.0
Service Factor:	1.15	Bearing - DE:	6309/2Z C3
Alt Service Factor:	--	Bearing - ODE:	6307/2Z C3
		Vibration (mm/s) rms:	2.8

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:Additional Information:

SUITABLE FOR DOL STARTING
 ROTATION: CW VIEWED FROM DE
 INVERTER DUTY PER IEC TS 60034-25, SECTION 18
 INVERTER RATED PWM 20:1 VARIABLE TORQUE, 1.0 SF



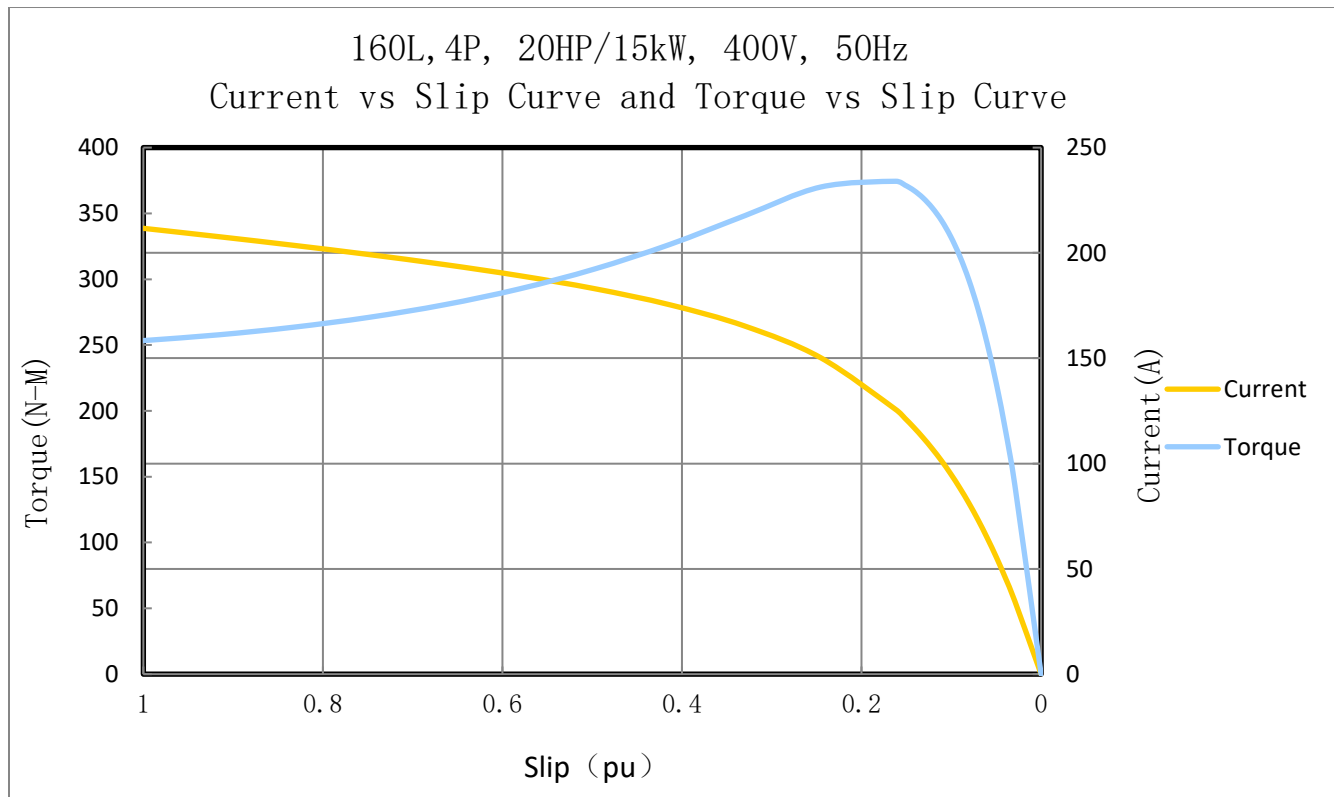
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.6	91.91	92.32	92.69	92.22	89.3	0
% PF	90.62	89.97	86.63	83.23	73.6	51.55	25.1
AMPS	32.6	30.11	27.07	21.05	15.95	11.76	10.38

TORQUE(FL) N-m 97 TORQUE(LR)%FL 261.2 TORQUE(BD)%FL 380.8
 AMPS(LR 400V) 211.7 PF AT START 25.10%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	0.110
Max load inertia (Kg-m ²):	4.172
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	2.5
Safe stall time (sec): Cold/Hot	19.0/7.8



Marks:

