



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:	5KFS313ZWL2132
Catalog Number:	WI305
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6971AF

Accessory Connection Diagrams

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

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Marks:

MODEL NUMBER:	5KFS313ZWL2132	Estimated Weight(kg):	1111
Outline Drawing:	358B6971AF	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:	315L	Alt Ambient Max(°C):	--
Mounting (IM):	B3	Ambient Min(°C):	-15
Phases:	3	Insulation Class:	F
Poles:	4	IEC Design:	N
Output Power :	270HP/200kW	Nominal Efficiency (%):	IE3-96.0
RPM:	1490	Guaranteed Efficiency (%):	95.6
Voltage(V):	400/690	Power Factor (%):	90.0
Hertz:	50	Efficiency at 75% load (%):	96.0
Amps - FL:	334/194	Efficiency at 50% load (%):	95.8
Service Factor:	1.15	Bearing - DE:	6319 C3
Alt Service Factor:	--	Bearing - ODE:	6319 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



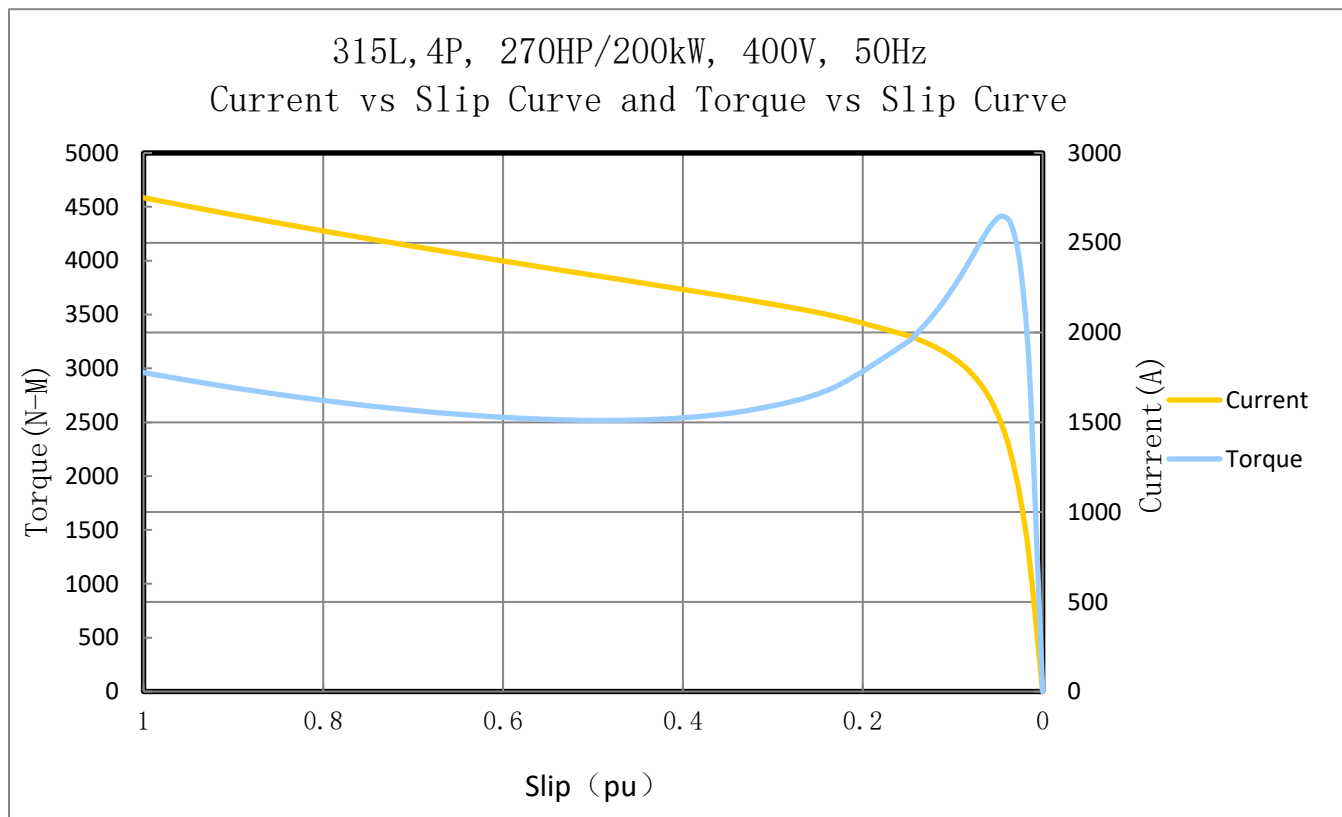
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.88	95.98	96.65	96.56	95.98	94.57	0
% PF	91.84	91.60	90.65	88.30	81.67	61.20	31.56
AMPS	409.8	377.6	333.2	254.9	184.1	124.7	101.8

TORQUE(FL) N-m 1282 TORQUE(LR)%FL 231.0 TORQUE(BD)%FL 340.9
 AMPS(LR 400V) 2751 PF AT START 31.56%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	5.1
Max load inertia (Kg-m ²):	46.69
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	3.1
Safe stall time (sec): Cold/Hot	26.9/13.5



Marks:

