



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:	5KFS311ZWL2128
Catalog Number:	WI301
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6971AB

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:	5KFS311ZWL2128	Estimated Weight(kg):	982
Outline Drawing:	358B6971AB	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:	315S	Alt Ambient Max(°C):	--
Mounting (IM):	B3	Ambient Min(°C):	-15
Phases:	3	Insulation Class:	F
Poles:	4	IEC Design:	N
Output Power :	150HP/110kW	Nominal Efficiency (%):	IE3-95.4
RPM:	1490	Guaranteed Efficiency (%):	94.7
Voltage(V):	400/690	Power Factor (%):	89.0
Hertz:	50	Efficiency at 75% load (%):	95.4
Amps - FL:	187/108	Efficiency at 50% load (%):	94.8
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



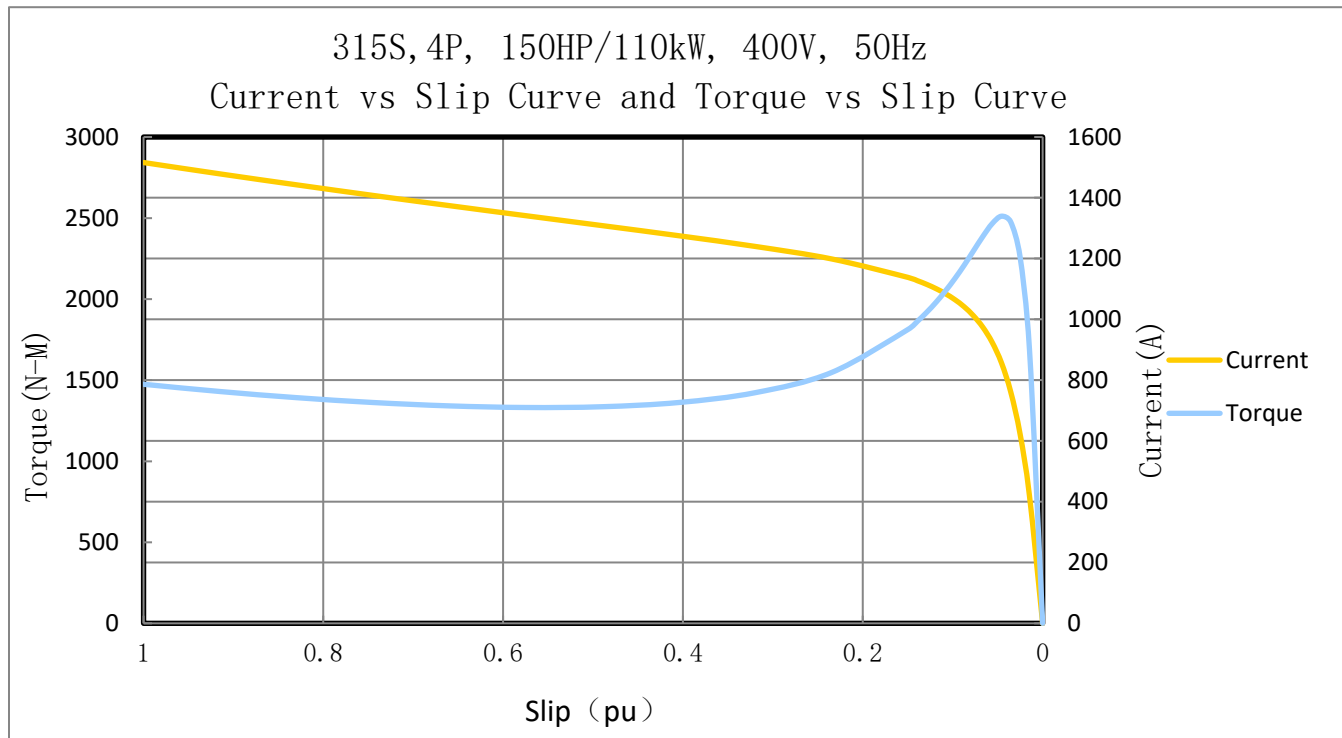
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.36	95.47	95.59	95.67	95.39	93.79	0
% PF	91.47	91.14	89.65	87.33	79.93	58.55	29.74
AMPS	227.5	209.8	186.1	142.5	104.1	72.29	60.33

TORQUE(FL) N-m 705 TORQUE(LR)%FL 209.2 TORQUE(BD)%FL 353.6
 AMPS(LR 400V) 1516 PF AT START 29.74%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	2.9
Max load inertia (Kg-m ²):	26.97
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	3.3
Safe stall time (sec): Cold/Hot	35.6/17.8



Marks:

