



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:	5KFS312ZWL2129
Catalog Number:	WI302
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6971AD

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:	5KFS312ZWL2129	Estimated Weight(kg):	1034
Outline Drawing:	358B6971AD	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:	315M	Alt Ambient Max(°C):	--
Mounting (IM):	B3	Ambient Min(°C):	-15
Phases:	3	Insulation Class:	F
Poles:	4	IEC Design:	N
Output Power :	175HP/132kW	Nominal Efficiency (%):	IE3-95.6
RPM:	1490	Guaranteed Efficiency (%):	94.9
Voltage(V):	400/690	Power Factor (%):	89.0
Hertz:	50	Efficiency at 75% load (%):	95.6
Amps - FL:	224/130	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



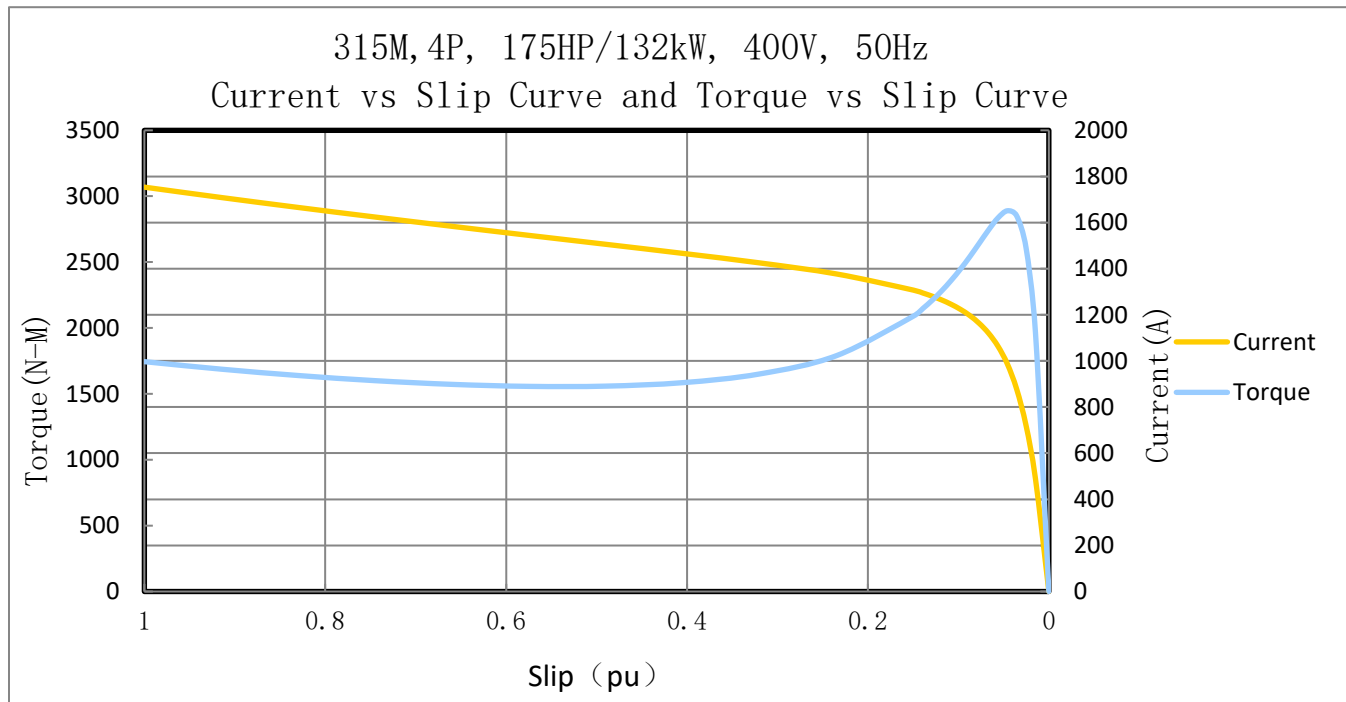
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.41	95.52	95.76	95.89	95.01	94.08	0
% PF	91.87	91.54	89.65	88.28	81.57	61.03	31.51
AMPS	272.0	250.6	222.5	169.0	122.2	83.04	67.83

TORQUE(FL) N-m 846 TORQUE(LR)%FL 206.2 TORQUE(BD)%FL 339.1
 AMPS(LR 400V) 1744 PF AT START 31.51%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	3.3
Max load inertia (Kg-m ²):	31.02
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	34.6/17.3



THIRD ANGLE PROJECTION

NOTES:

1. CONDUIT BOX IS SUITABLE FOR UP, DOWN OR EITHER SIDE ENTRY.
2. ALL DIMENSIONS ARE IN INCH BRACKETED DIMENSIONS ARE IN MILLIMETERS.
3. IMB3 ASY. AS SHOWN.
4. THE GROUNDING POINT MARKED WITH THE GROUND SYMBOL, MIGHT BE ON A DIFFERENT POSITION DUE TO A DIFFERENT VERSION OF THE DRAWING.

GE INDUSTRIAL MOTORS

358B6971AD

315M - 4.6 B3 TEFC

13992 CU. CENTIMETER C/BDX

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
001	ISAC #120-6596	06/19/2020	SAHD

SIGNATURES

SIGNATURES	DATE
SAHD	07/08/19

DETAIL

DETAIL	DATE
SAHD	07/08/19

CHECKED

CHECKED	DATE
SAHD	07/08/19

ENG'G

ENG'G	DATE
SAHD	07/08/19

WFG

WFG	DATE
SAHD	07/08/19

QUALITY

QUALITY	DATE
SAHD	07/08/19

ISSUED

ISSUED	DATE
SAHD	07/08/19

SHEET 1

REV	001
SHEET 1.	