



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:	5KFS313ZWL2130
Catalog Number:	WI303
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:	5KFS313ZWL2130	Estimated Weight(kg):	1108
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 :	200HP/150kW	Nominal Efficiency (%):	IE3-95.8
RPM:	1490	Guaranteed Efficiency (%):	95.2
Voltage(V):	400/690	Power Factor (%):	89.0
Hertz:	50	Efficiency at 75% load (%):	95.8
Amps - FL:	254/147	Efficiency at 50% load (%):	95.2
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



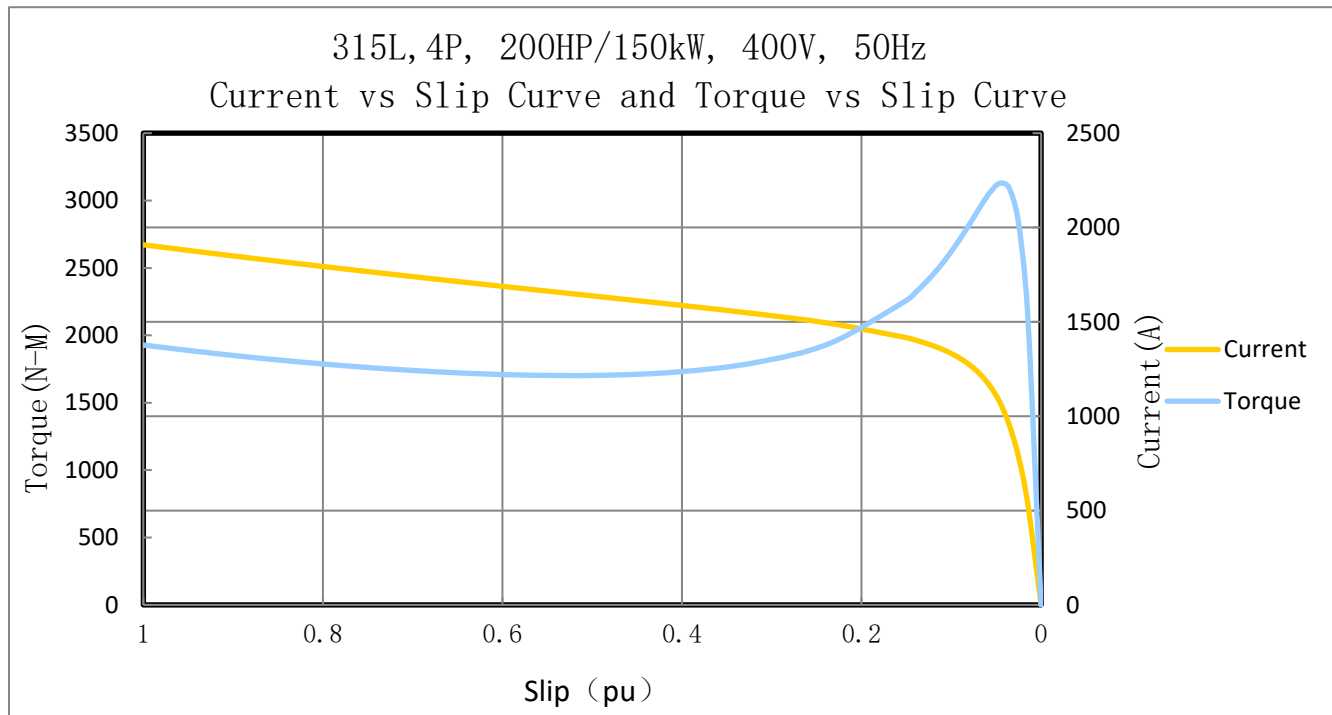
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.57	95.69	95.97	96.02	95.65	94.46	0
% PF	91.96	91.79	89.56	89.03	82.94	63.36	33.25
AMPS	307.9	283.5	253.6	190.0	136.2	90.43	72.49

TORQUE(FL) N-m 961 TORQUE(LR)%FL 200.6 TORQUE(BD)%FL 323.1
 AMPS(LR 400V) 1908 PF AT START 33.25%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	3.7
Max load inertia (Kg-m ²):	35.02
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	3.4
Safe stall time (sec): Cold/Hot	34.9/17.5



THIRD ANGLE PROJECTION

Labels: NOE GREASE INLET, MFG/GROUND BOLT, 2 PLACES, BI-AXIAL SYMMETRY, DE GREASE OUTLET, KEY.

Dimensions (mm): 1408, 1606, 631, 124.84, 500, 19.69, 312, 12.28, 1125, 4.43, 140, 5.51, 14, 1.55, 170, 6.69, 109, 4.36, 267.5, 10.53, 508, 20.01, 640, 120.00, 1320, 151.97, 10, 4.33, 267.5, 10.53, 4.6, 1.81, 26, 18.50.

NOTES:

1. CONDUIT BOX IS SUITABLE FOR UP, DOWN OR EITHER SIDE ENTRY.
2. ALL DIMENSIONS ARE IN MM BRACKETED DIMENSIONS ARE INCHES.
3. MB3 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.

Labels: DE GREASE INLET.

Dimensions (mm): 80.01-80.030, 13.50-3.151, 21.967-22, 1.865-866, 85, 14, 13.35, 1.53, 120X4.2, 507, 19.56, 409, 16.10, 340, 13.39, 670, 26.38, 164, 6.46, 329, 12.95, 213.55, 8.4, 40, 1.60, 254, 10.00, 508, 20.00, 678, 24.12, 314-315, 12.36-12.40, 1.40, 1.57, 15, 4.53.

SEE NOTES

2-M6X15 2-HOLES

Ø28.00-28.52 118-112 6-HOLES

PROPRIETARY INFORMATION

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REV	DESCRIPTION	DATE	APPROVED
001	ISAAC #20-0596	06/13/2020	SAHD

SIGNATURES

MODEL	DATE
DETAIL	ALLEY 07/08/19

GE INDUSTRIAL MOTORS
a Wabco company

TITLE

OUTLINE, IEC

315L - 4.6 B3 TFC

13992 CU. CENTIMETER C/BXD

ISSUED

SAHD 07/08/19

SOLID MODEL MODEL NAME

SCALE NA

REV

001

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
001	ISAAC #20-0596	06/13/2020	SAHD

358B6971AF 001 1

SHEET 1

Marks: