



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:	5KFS802ZWL1105
Catalog Number:	WI253
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6960AA

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:	5KFS802ZWL1105
Outline Drawing:	358B6960AA
Connection Diagram:	--
Connection:	DELTA / WYE
Instruction Book:	GEI-M1052-SP
Design Code:	NA
Type:	KFS
Frame:	80M
Mounting (IM):	B3
Phases:	3
Poles:	2
Output Power:	1HP/0.75kW
RPM:	2860
Voltage(V):	230/400
Hertz:	50
Amps - FL:	2.85/1.64
Service Factor:	1.15
Alt Service Factor:	--

Estimated Weight(kg):	12
Duty:	S1
Enclosure:	TEFC
Encl Construction:	Energy Saver
Cooling (IC):	411
Protection (IP):	55
Ambient Max (°C):	40
Alt Ambient Max(°C):	--
Ambient Min(°C):	-15
Insulation Class:	F
IEC Design:	N
Nominal Efficiency (%):	IE3-80.7
Guaranteed Efficiency (%):	77.8
Power Factor (%):	82.0
Efficiency at 75% load (%):	81.1
Efficiency at 50% load (%):	79.3
Bearing - DE:	6204/2Z C3
Bearing - ODE:	6204/2Z 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



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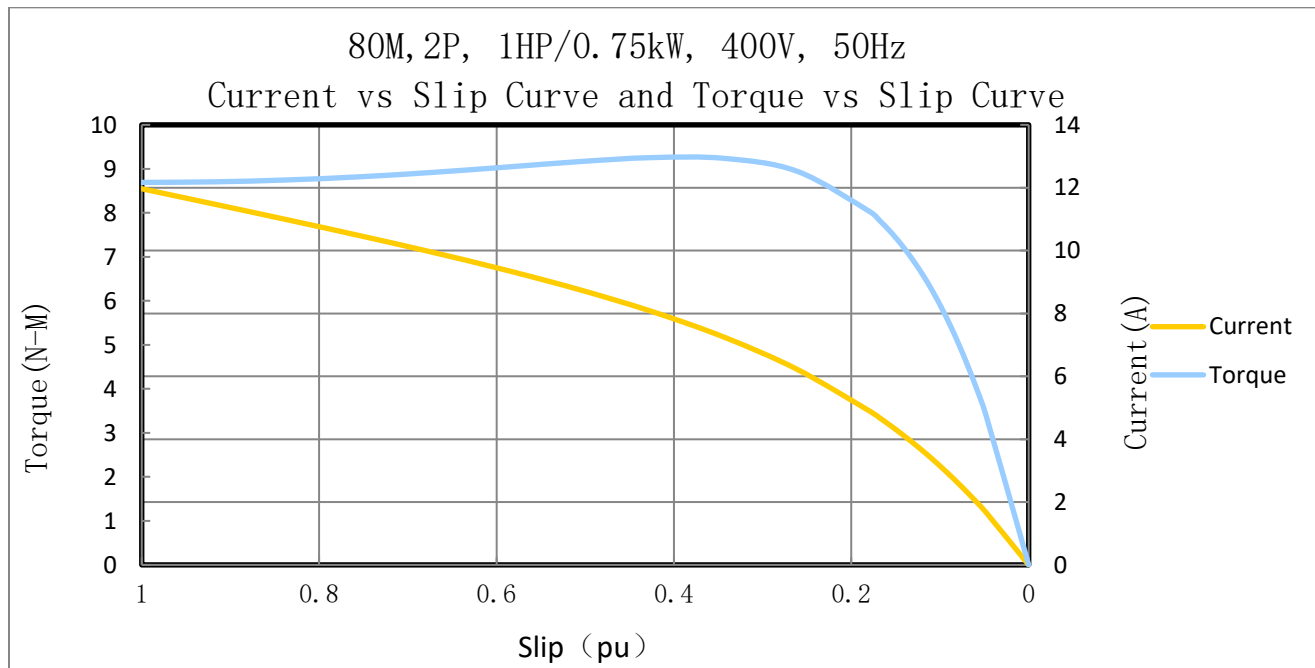
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	81.13	81.74	81.07	81.37	79.87	75.51	0
% PF	90.17	89.35	82.58	78.19	66.28	48.71	27.21
AMPS	1.85	1.70	1.62	1.28	1.02	0.74	0.67

TORQUE(FL) N-m 2.5 TORQUE(LR)%FL 347.7 TORQUE(BD)%FL 343.5
 AMPS(LR 400V) 11.97 PF AT START 27.21%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	0.00099
Max load inertia (Kg-m ²):	0.051
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	2.1
Safe stall time (sec): Cold/Hot	16.0/6.5



Marks:

