



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Information Packet

August 7, 2020

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number:	5KFE193ZWL3104
Catalog Number:	--
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6966AA

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:	5KFE193ZWL3104	Estimated Weight(kg):	189
Outline Drawing:	358B6966AA	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:	KFE	Ambient Max (°C):	40
Frame:	180L	Alt Ambient Max(°C):	--
Mounting (IM):	B3	Ambient Min(°C):	-15
Phases:	3	Insulation Class:	F
Poles:	6	IEC Design:	N
Output Power:	20HP/15kW	Nominal Efficiency (%):	IE2-89.7
RPM:	970	Guaranteed Efficiency (%):	88.2
Voltage(V):	400/690	Power Factor (%):	82
Hertz:	50	Bearing - DE:	6310/2Z C3
Amps - FL:	29.4/17.0	Bearing - ODE:	6308/2Z C3
Service Factor:	1.15	Vibration (mm/s) rms:	2.2
Alt Service Factor:	--		

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



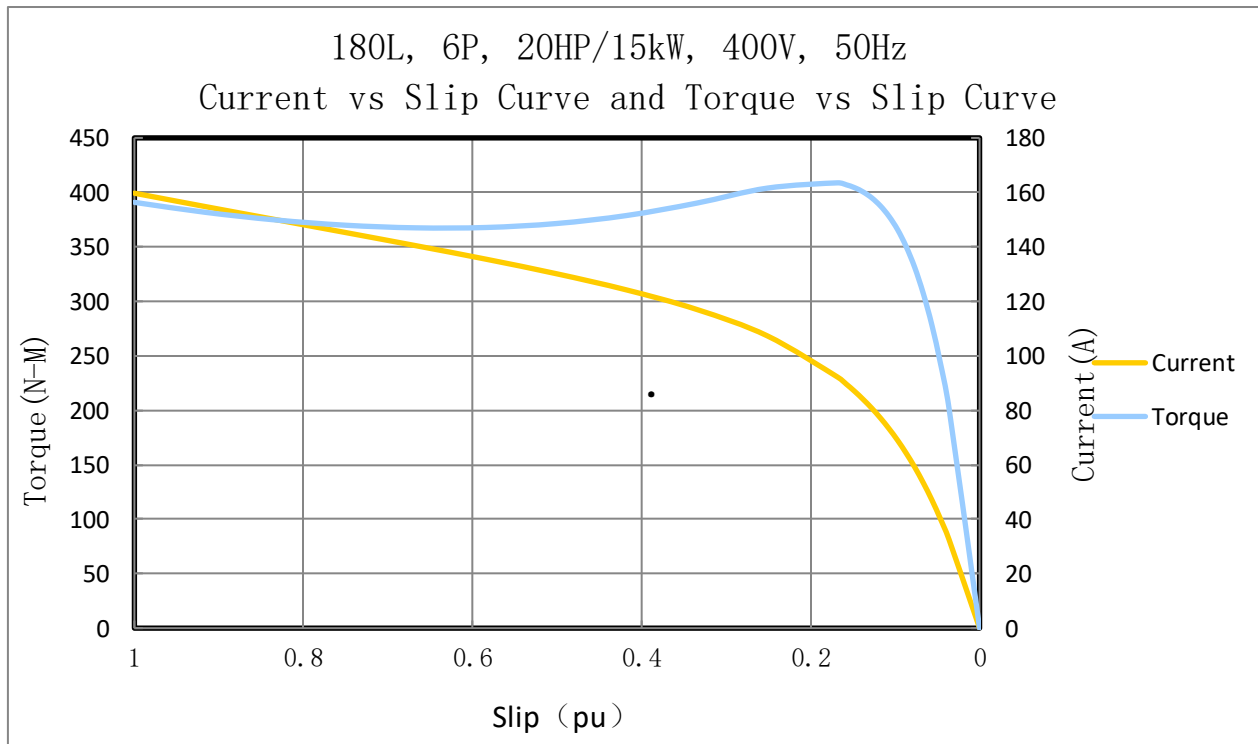
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	89.34	89.75	90.24	90.64	90.08	86.17	0.00
% PF	86.03	85.51	84.16	79.60	69.52	47.04	24.26
AMPS	35.21	32.44	28.51	22.50	17.29	13.35	11.99

TORQUE(FL) N-m 147.7 TORQUE(LR)%FL 265 TORQUE(BD)%FL 267
 AMPS(LR 400V) 159.2 PF AT START 24.26%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	0.26852
Max load inertia (Kg-m ²):	10.544
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	41.3/17.1



Marks:

