



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:	5KFS292ZWL2127
Catalog Number:	WI300
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6970AD

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:	5KFS292ZWL2127	Estimated Weight(kg):	661
Outline Drawing:	358B6970AD	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:	280M	Alt Ambient Max(°C):	--
Mounting (IM):	B3	Ambient Min(°C):	-15
Phases:	3	Insulation Class:	F
Poles:	4	IEC Design:	N
Output Power :	125HP/90kW	Nominal Efficiency (%):	IE3-95.2
RPM:	1485	Guaranteed Efficiency (%):	94.5
Voltage(V):	400/690	Power Factor (%):	88.0
Hertz:	50	Efficiency at 75% load (%):	95.2
Amps - FL:	160/92.9	Efficiency at 50% load (%):	93.6
Service Factor:	1.15	Bearing - DE:	6317 C3
Alt Service Factor:	--	Bearing - ODE:	6314 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



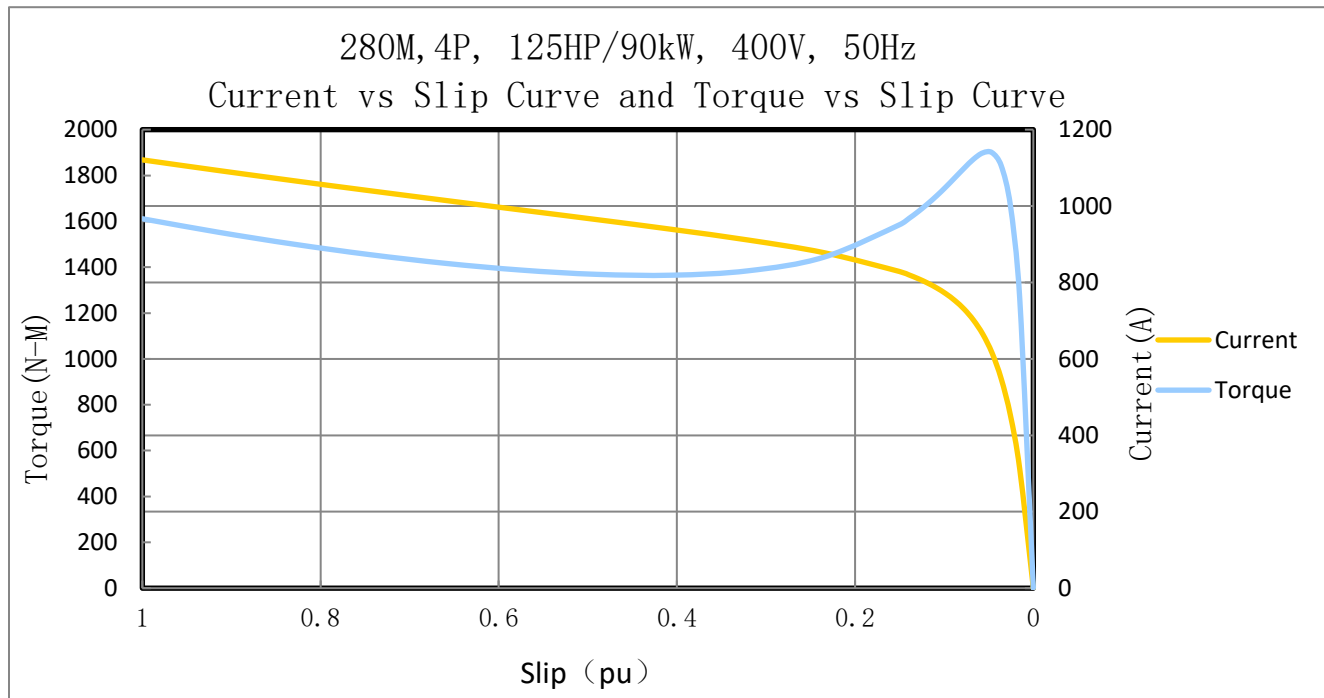
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.09	95.23	95.40	95.51	93.98	93.47	0
% PF	90.46	90.15	88.54	86.07	78.28	56.53	28.50
AMPS	188.8	174.0	159.1	118.5	87.12	64.46	52.04

TORQUE(FL) N-m 579 TORQUE(LR)%FL 278.3 TORQUE(BD)%FL 325.8
 AMPS(LR 400V) 1121 PF AT START 28.50%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	1.8
Max load inertia (Kg-m ²):	22.84
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	2.8
Safe stall time (sec): Cold/Hot	24.9/10.1



Marks:

