



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:	5KFS291ZWL2126
Catalog Number:	WI299
Instruction Manual:	GEI-M1052-SP
Connection Diagram:	--
Outline Drawing:	358B6970AB

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:	5KFS291ZWL2126	Estimated Weight(kg):	576
Outline Drawing:	358B6970AB	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:	280S	Alt Ambient Max(°C):	--
Mounting (IM):	B3	Ambient Min(°C):	-15
Phases:	3	Insulation Class:	F
Poles:	4	IEC Design:	N
Output Power :	100HP/75kW	Nominal Efficiency (%):	IE3-95.0
RPM:	1485	Guaranteed Efficiency (%):	94.3
Voltage(V):	400/690	Power Factor (%):	88.0
Hertz:	50	Efficiency at 75% load (%):	95.0
Amps - FL:	129/75.1	Efficiency at 50% load (%):	94.4
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



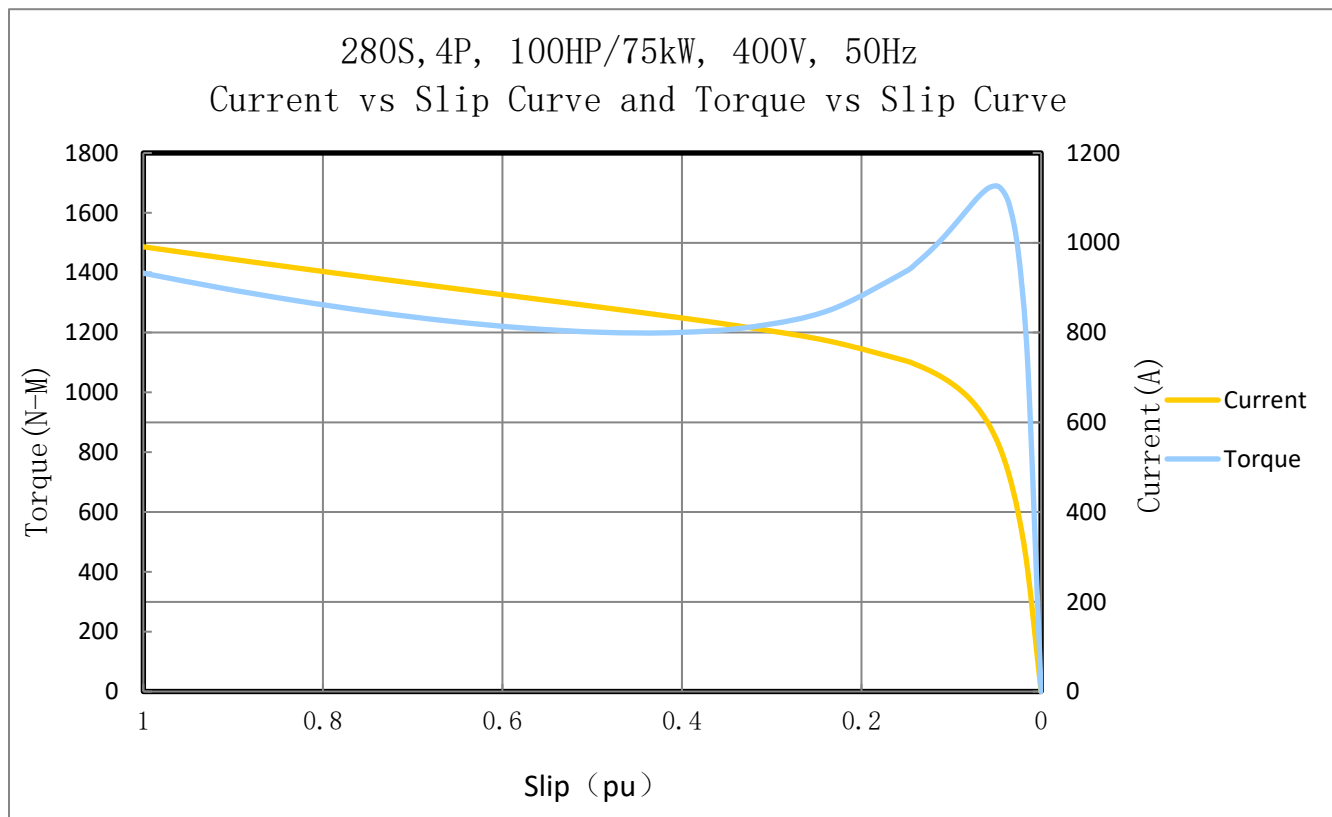
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.10	95.22	95.35	95.42	95.05	93.08	0
% PF	90.13	89.69	88.53	84.88	76.22	53.73	26.74
AMPS	157.9	145.8	128.2	100.2	74.71	54.11	46.68

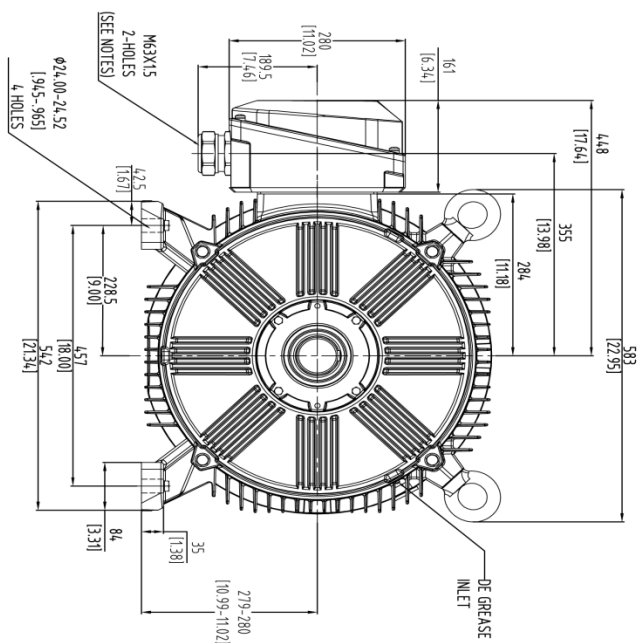
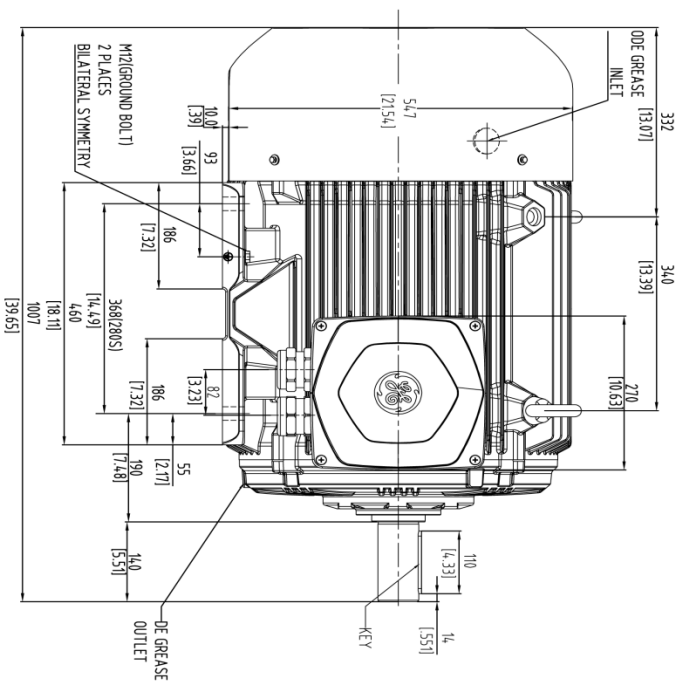
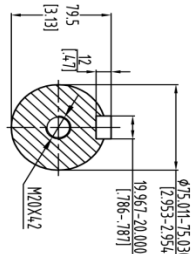
TORQUE(FL) N-m 482 TORQUE(LR)%FL 290.1 TORQUE(BD)%FL 347.1
 AMPS(LR 400V) 991.0 PF AT START 26.74%

Other Useful Information for Application:

Rotor Inertia (Kg-m ²) :	1.5
Max load inertia (Kg-m ²):	18.58
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	2.6
Safe stall time (sec): Cold/Hot	26.7/10.9



Marks:



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
001	ISALC #20-0596 ALLEY	06/15/2020	SAHMD

SIGNATURES		DATE	
MODEL	-	-	
DETAIL	ALLET	07/08/19	
CHECKED	SHAD	07/08/19	
ENGNG	ALLET	07/08/19	
HFG			
QUALITY			
ISSUED	SHAD	07/08/19	
SOLID MODEL	MODEL	NAME	
SCALE		NA	REF. #
SIZE		DRAWING	REV
B			001
 GE INDUSTRIAL MOTORS <i>a wolong company</i> DUTLINE, IEC 280S - 4,6 B3 TEFC 10020 CU CENTIMETER C/BDX			
358B6970AB			
SHEET 1			