

Product Information Packet

November 8, 2016

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

Model Number:	5KS447LAA304D
Catalog Number:	M7965
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239CC800AA

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KS447LAA304D	Estimated Weight:	2510 Lbs
Outline Drawing:	239CC800AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	SD
Design Code:	49BD3086B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	447T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	6	Nominal Efficiency:	95.8 %
Output Power:	150HP 111KW	Guaranteed Efficiency:	95.0
RPM:	1195	3/4 Load Efficiency:	95.7
Voltage:	575	KVA Code:	J
Hertz:	60	Max KVAR:	61.7
Amps - FL:	147.0	Power Factor:	80.0
Service Factor:	1.15	Bearing - DE:	6318ZC3S0
Alt Service Factor:	--	Bearing - ODE:	6318ZC3S0

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
 VAR TORQUE RANGE 0-60 HZ

Additional Information:

6P - T EXTN
 700 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 F1 MOUNTING
 VIBRATION LIMIT 0.15 INCH PER SEC

Performance Characteristics

1st Winding 1st Connection

Design: 49BD3086B

Marks:

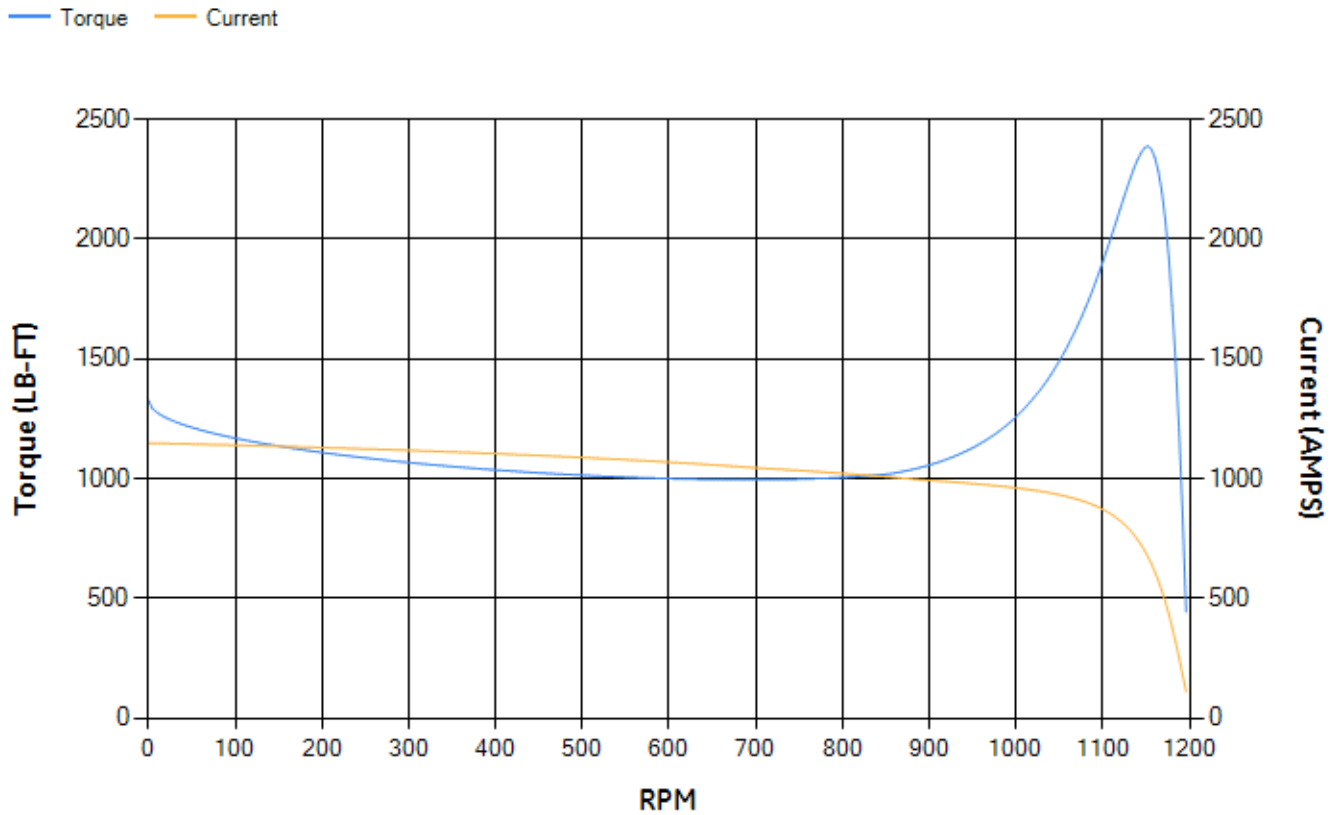
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.28	95.44	95.82	95.71	95.22	92.65	0.00
% PF	83.05	82.07	80	74.03	62.28	39.53	2.79
AMPS	177.42	164.89	146.52	118.88	94.7	76.66	68.6

TORQ(FL)#FT	659.84	TORQ(LR)%FL	200.88	TORQ(BD)%FL	361.38
AMPS(LR)	1148.07	PF AT START	0.29		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 8756 Lb-Ft Sq (368.63 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 36 seconds. Safe stall time at 100% voltage is 88 seconds cold, 53 seconds hot. Rotor inertia is 115.65 Lb-Ft Sq (4.87 Kg-meter Sq).

Open Circuit A-C:	0.95	Short Circuit D-C:	0.023
Short Circuit A-C:	0.052	X/R Ratio:	8.704
Stator Slots:	72	Rotor Slots:	58

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG7

