

Product Information Packet

November 9, 2016

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

Model Number:	5KS444SAA204D9
Catalog Number:	M9832
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6600AA

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:	5KS444SAA204D9	Estimated Weight:	1900 Lbs
Outline Drawing:	239C6600AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	44BD1173B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	65
Frame:	444T	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	95.4 %
Output Power:	125HP 92.5KW	Guaranteed Efficiency:	95.0
RPM:	1785	3/4 Load Efficiency:	95.3
Voltage:	575	KVA Code:	G
Hertz:	60	Max KVAR:	37.1
Amps - FL:	115.0	Power Factor:	85.5
Service Factor:	1.25	Bearing - DE:	6318ZC3
Alt Service Factor:	1.00	Bearing - ODE:	6318ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

SF AMPS 141.0
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS444SAA204D9 S/N: XXX
 CSA CERTIFIED CSA09.2216219 FOR EX NA IIC 200 C GC
 CL 1 ZONE2 AEX NA IIC 200C;CL 1 DIV2 GRP ABCD 200C
 IN -40C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
 SURF TEMP 215C AT 1.25SF ON SINE-WAVE PWR
 OR 200C VT OR 230C CT OR 260C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0-60 HZ, CT 7.6-60 HZ, CHP 60-90 HZ.

Additional Information:

4P - T EXTN
 C/BOX 700 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 F1 MOUNTING

Performance Characteristics

1st Winding 1st Connection

Design: 44BD1173B

Marks:

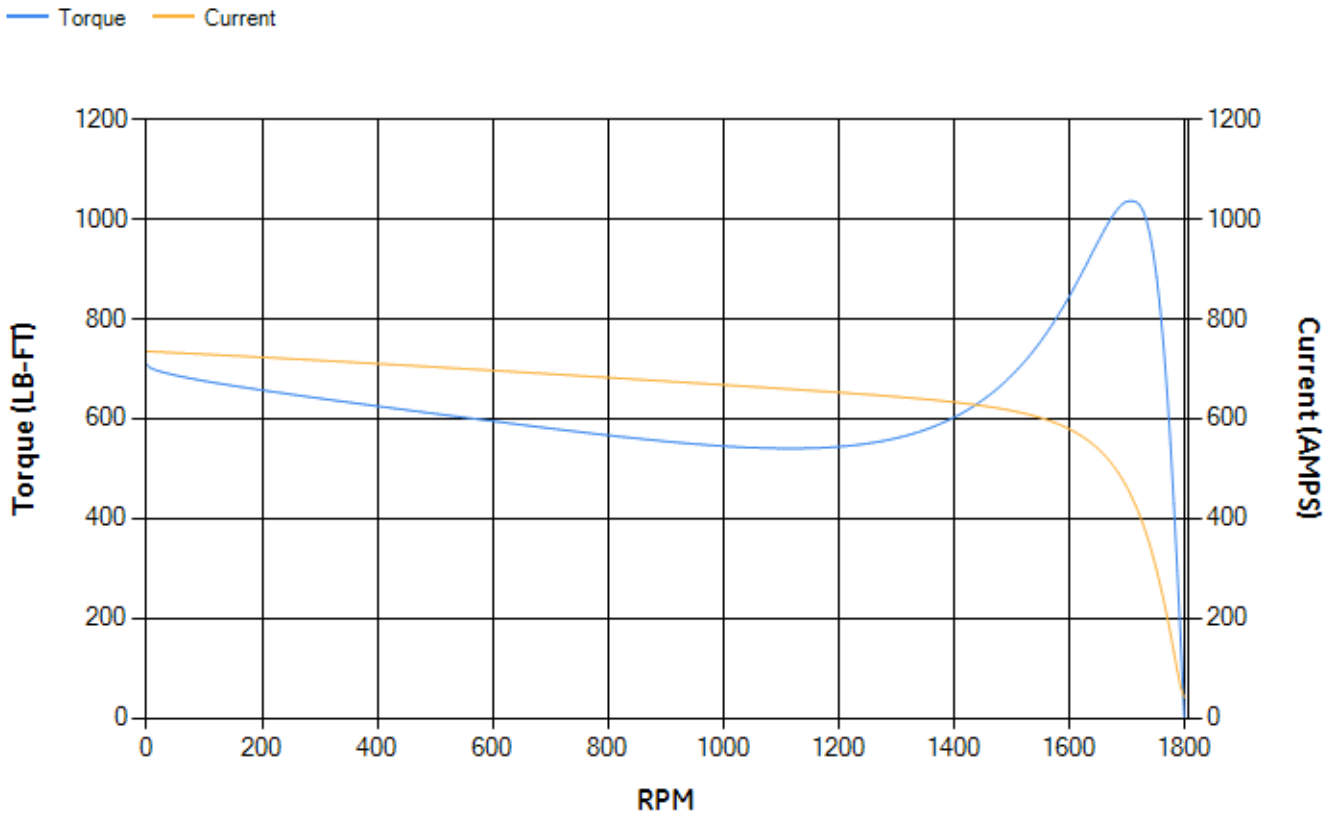
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.1	95.24	95.57	95.34	94.64	91.53	0.00
% PF	87.21	86.78	85.68	81.91	73.02	51.13	4.66
AMPS	141.05	130.23	114.29	89.88	67.72	50	41.44

TORQ(FL)#FT	367.76	TORQ(LR)%FL	192.78	TORQ(BD)%FL	281.42
AMPS(LR)	734.95	PF AT START	0.32		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2756 Lb-Ft Sq (116.03 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 32 seconds. Safe stall time at 100% voltage is 59 seconds cold, 38 seconds hot. Rotor inertia is 56.48 Lb-Ft Sq (2.38 Kg-meter Sq).

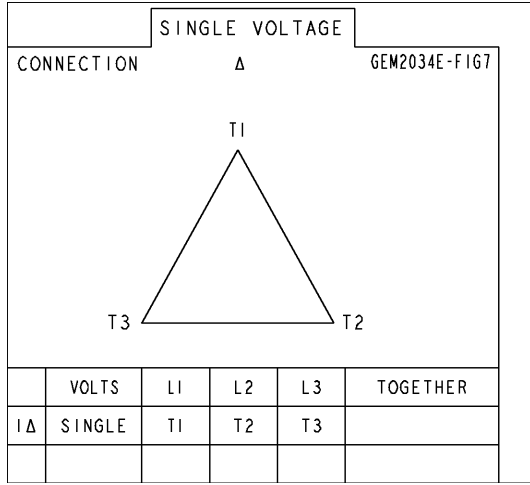
Open Circuit A-C:	0.814	Short Circuit D-C:	0.032
Short Circuit A-C:	0.042	X/R Ratio:	11.954
Stator Slots:	72	Rotor Slots:	58

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4355AA1	115E4355LM1
Bearing	235A2514AG01	235A2514AG01
Slinger/Inproseal	149C4399G07	149C4399G07

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100G02
Fan Cover	128D6841AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	118D4408AD2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	