

Product Information Packet

November 8, 2016

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

Model Number:	5KS326SAA204D9
Catalog Number:	M9765
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6000AE

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:	5KS326SAA204D9	Estimated Weight:	710 Lbs
Outline Drawing:	239C6000AE	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	32BD1183B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	60
Frame:	326T	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	94.5 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	94.1
RPM:	1780	3/4 Load Efficiency:	94.8
Voltage:	575	KVA Code:	G
Hertz:	60	Max KVAR:	18.1
Amps - FL:	48.9	Power Factor:	81.0
Service Factor:	1.15	Bearing - DE:	6312ZC3
Alt Service Factor:	1.00	Bearing - ODE:	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS326SAA204D9 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 260C AT 1.15SF ON SINE-WAVE PWR
 OR 200C VT OR 230C CT OR 200C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0 - 60 HZ, CT 10-60 HZ, CHP 60-90 HZ.

Additional Information:

4P - T EXTN
 346 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 F1 MOUNTING

Performance Characteristics

1st Winding 1st Connection

Design: 32BD1183B

Marks:

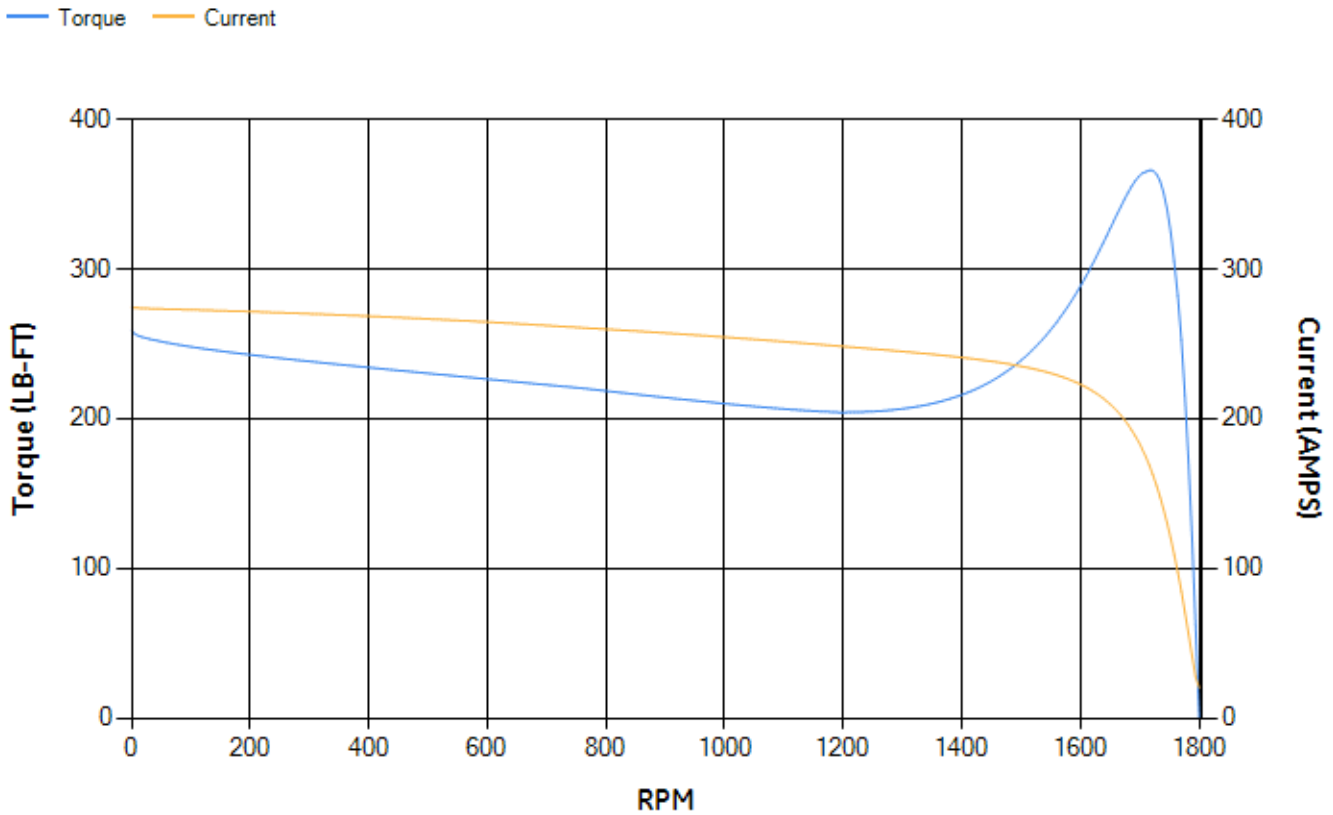
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.86	94.15	94.7	94.81	94.48	91.87	0.00
% PF	82.89	82.37	81.02	76.4	66.13	43.76	3.31
AMPS	60.15	55.52	48.7	38.76	29.96	23.28	20.15

TORQ(FL)#FT	147.6	TORQ(LR)%FL	175.51	TORQ(BD)%FL	246.96
AMPS(LR)	274.09	PF AT START	0.33		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1083 Lb-Ft Sq (45.59 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 34 seconds. Safe stall time at 100% voltage is 78 seconds cold, 41 seconds hot. Rotor inertia is 8.61 Lb-Ft Sq (0.36 Kg-meter Sq).

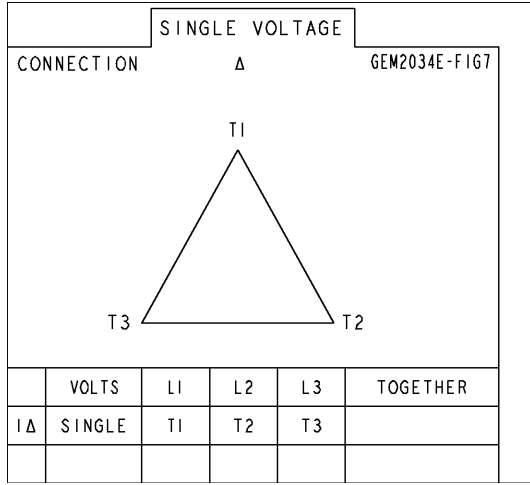
Open Circuit A-C:	0.509	Short Circuit D-C:	0.023
Short Circuit A-C:	0.031	X/R Ratio:	8.831
Stator Slots:	48	Rotor Slots:	38

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	115E4200AA1	115E4200LA1
Bearing	235A2609AA01	235A2609AA01
Slinger/Inproseal	149C4399G04	149C4399G04

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6900G04
Fan Cover	128D6800AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	149C4429AA2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	