

Product Information Packet

November 8, 2016

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

Model Number:	5KS326SAA115D7
Catalog Number:	M9164
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	239C6000AF

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:	5KS326SAA115D7	Estimated Weight:	670 Lbs
Outline Drawing:	239C6000AF	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	32BD0112A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	55
Frame:	326TS	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	93.0 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	92.4
RPM:	3565	3/4 Load Efficiency:	93.8
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	15.1
Amps - FL:	117.0/58.5	Power Factor:	86.0
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:5KS326SAA115D7 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 215C VT OR 230C CT OR 215C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0 - 60 HZ, CT 30-60 HZ, CHP 60-75 HZ.

Additional Information:

2P - TS EXTN
 346 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 F1 MOUNTING
 TEFC XSD ULTRA STOCK 08/24/2016
 ENGINEERED BY: BALASUBRAMANIANH/BILURP

Performance Characteristics

1st Winding 1st Connection

Design: 32BD0112A

Marks:

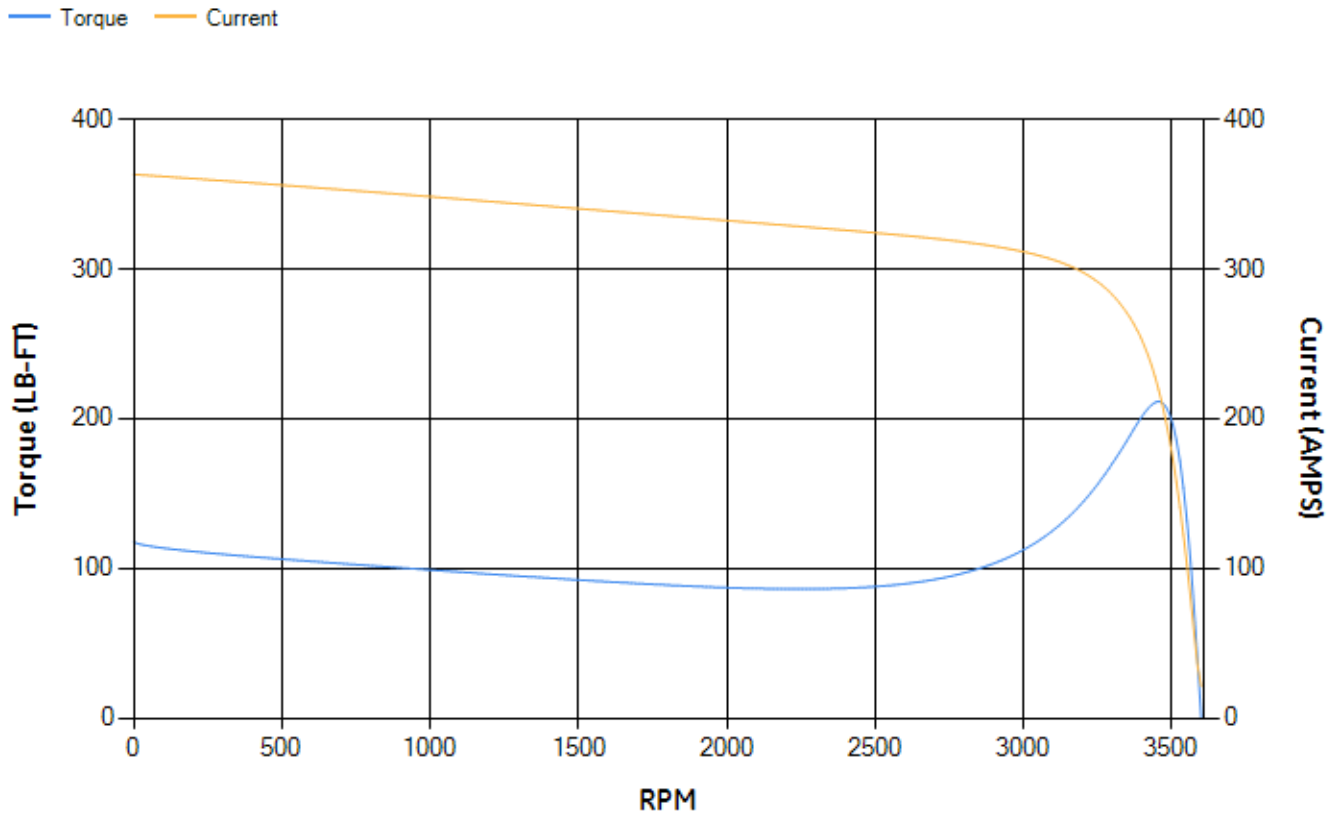
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.06	93.32	93.8	93.76	93.08	89.46	0.00
% PF	87.68	87.25	86.14	82.33	73.38	51.5	5.55
AMPS	71.68	66.1	57.85	45.47	34.26	25.4	21.1

TORQ(FL)#FT	73.65	TORQ(LR)%FL	160.32	TORQ(BD)%FL	286.91
AMPS(LR)	363.21	PF AT START	0.31		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 127 Lb-Ft Sq (5.35 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 19 seconds. Safe stall time at 100% voltage is 45 seconds cold, 22 seconds hot. Rotor inertia is 4.06 Lb-Ft Sq (0.17 Kg-meter Sq).

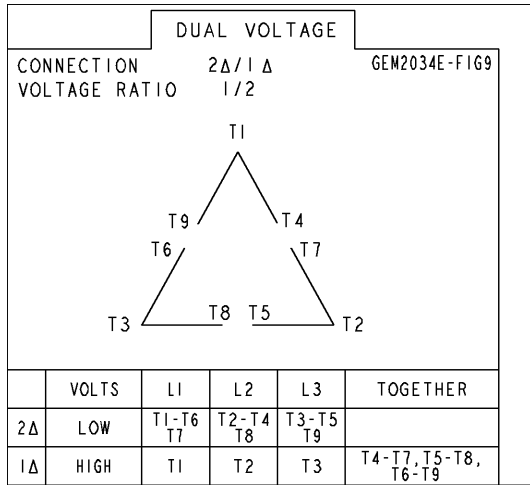
Open Circuit A-C:	0.707	Short Circuit D-C:	0.018
Short Circuit A-C:	0.039	X/R Ratio:	6.693
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG9



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	159C6700G02
Fan Cover	128D6800AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	