

Product Information Packet

January 12, 2017

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

Model Number:	5KS326CAG115A
Catalog Number:	E9275
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	225B4700AY

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	3027JE-2	Winding Thermocouple:	None
Bearing RTD:	None		

Table of Contents	
Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04

Marks:

MODEL NUMBER:	5KS326CAG115A	Estimated Weight:	650 Lbs
Outline Drawing:	225B4700AY	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	XP
Design Code:	32ED0049A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	XX
Frame:	326TS	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	93.0 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	91.7
RPM:	3535	3/4 Load Efficiency:	93.4
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	17.0
Amps - FL:	117.8/58.9	Power Factor:	85.5
Service Factor:	1.0	Bearing - DE:	6312ZC3
Alt Service Factor:	XX	Bearing - ODE:	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

EXPLOSION PROOF MOTOR
TEMP CODE T3C
THERMOSTAT LEADS TB1-TB2:TRIP

Additional Information:

STAMP NP249A5571AD AS FOLLOWS:
CL I GR C&D CL II GR F&G
2 POLE, TS SHAFT EXTN
(3)NC THERMOSTAT LEADS TO MAIN CONDUIT BOX
250 Cu. In. CBOX

Performance Characteristics

1st Winding 1st Connection

Design: 32ED0049A

Marks:

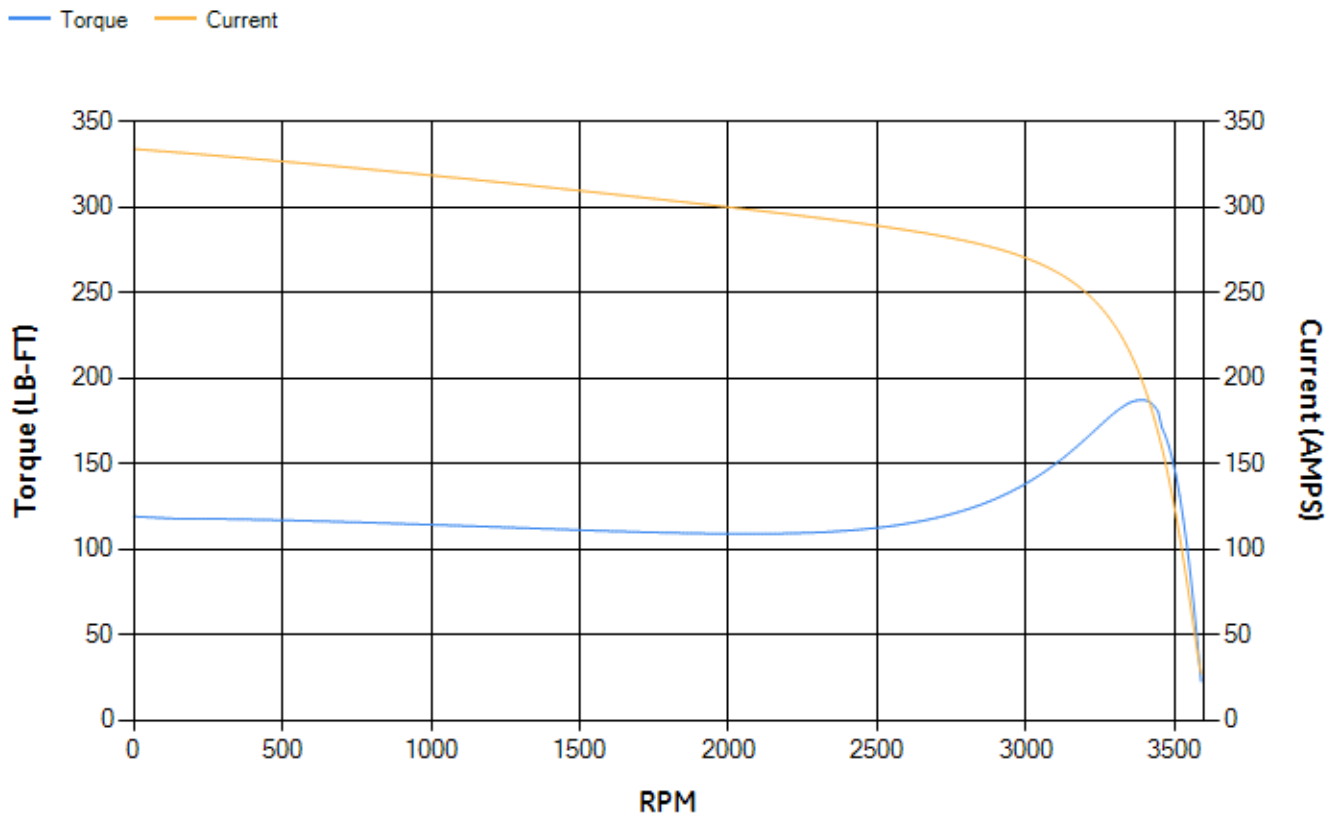
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.19	92.56	93.21	93.37	92.8	89.04	0.00
% PF	86.65	86.35	85.42	81.9	73.27	51.82	5.63
AMPS	73.23	67.33	58.77	45.9	34.41	25.36	20.86

TORQ(FL)#FT	74.24	TORQ(LR)%FL	160.31	TORQ(BD)%FL	251.81
AMPS(LR)	333.88	PF AT START	0.31		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 111 Lb-Ft Sq (4.67 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 13 seconds. Safe stall time at 100% voltage is 38 seconds cold, 16 seconds hot. Rotor inertia is 2.58 Lb-Ft Sq (0.11 Kg-meter Sq).

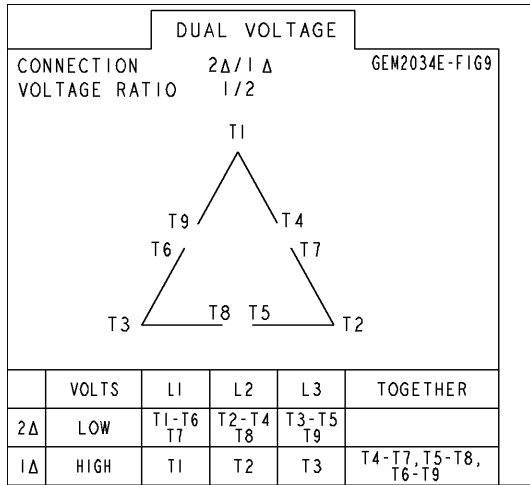
Open Circuit A-C:	0.424	Short Circuit D-C:	0.022
Short Circuit A-C:	0.024	X/R Ratio:	8.127
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG9



Thermostat Connection
3027JE-2

FIG. 2
THERMOSTAT CONN.

