

Product Information Packet

November 7, 2016

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

Model Number:	5KS364CAG308B
Catalog Number:	E9296
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	225B5200AL

Accessory Connection Diagrams

Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04
Spare parts	05



Marks:

MODEL NUMBER:	5KS364CAG308B	Estimated Weight:	1070 Lbs
Outline Drawing:	225B5200AL	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	XP
Design Code:	36ED3039A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	XX
Frame:	364T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	6	Nominal Efficiency:	94.1 %
Output Power:	40HP 29.6KW	Guaranteed Efficiency:	93.0
RPM:	1185	3/4 Load Efficiency:	94.9
Voltage:	460	KVA Code:	H
Hertz:	60	Max KVAR:	9.8
Amps - FL:	46.8	Power Factor:	85.0
Service Factor:	1.0	Bearing - DE:	6314ZC3
Alt Service Factor:	XX	Bearing - ODE:	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

Additional Information:

STAMP NP235A3573 AS FOLLOWS:
CL I GR C&D CL II GR F&G
6 POLE, T SHAFT EXTN
EXPLOSION PROOF
(3)NC THERMOSTAT LEADS TO MAIN CONDUIT BOX
920 CU. IN. CBOX

Performance Characteristics

1st Winding 1st Connection

Design: 36ED3039A

Marks:

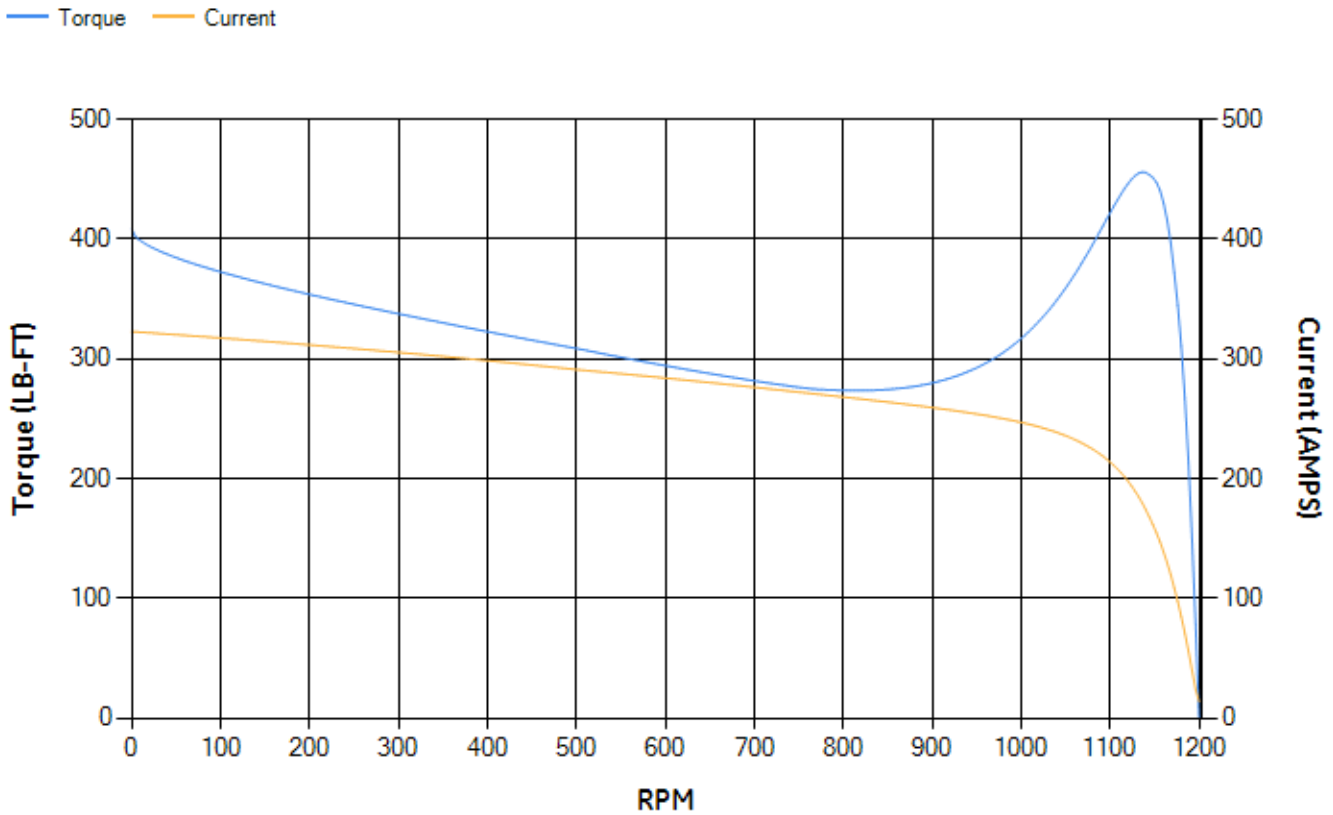
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.6	93.95	94.59	94.85	94.71	92.5	0.00
% PF	85.73	85.69	85.22	82.72	75.78	56.15	4.61
AMPS	58.32	53.48	46.45	35.78	26.08	18.02	13.66

TORQ(FL)#FT	176.86	TORQ(LR)%FL	230.89	TORQ(BD)%FL	257.3
AMPS(LR)	322.76	PF AT START	0.37		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 3414 Lb-Ft Sq (143.73 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 50 seconds. Safe stall time at 100% voltage is 110 seconds cold, 73 seconds hot. Rotor inertia is 31.01 Lb-Ft Sq (1.31 Kg-meter Sq).

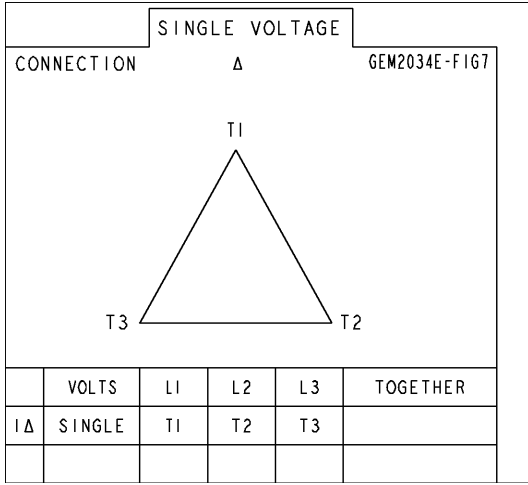
Open Circuit A-C:	0.872	Short Circuit D-C:	0.016
Short Circuit A-C:	0.032	X/R Ratio:	6.098
Stator Slots:	72	Rotor Slots:	60

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	128D6482CA1	128D6482CB1
Bearing	235A2516AC01	235A2516AC01
Slinger/Inproseal		

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100G01
Fan Cover	36FC6450G001

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	179B9027G01

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	