

Product Information Packet

January 12, 2017

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

Model Number:	5KS364CAG118A
Catalog Number:	E9278
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	225B5200AK

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:	5KS364CAG118A	Estimated Weight:	950 Lbs
Outline Drawing:	225B5200AK	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	XP
Design Code:	36ED0062A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	XX
Frame:	364TS	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	93.6 %
Output Power:	60HP 44.4KW	Guaranteed Efficiency:	92.4
RPM:	3550	3/4 Load Efficiency:	93.9
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	17.4
Amps - FL:	69.0	Power Factor:	87.0
Service Factor:	1.0	Bearing - DE:	6314ZC3
Alt Service Factor:	XX	Bearing - ODE:	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

TEMP CODE T3C
THERMOSTAT LEADS TB1-TB2:TRIP

Additional Information:

STAMP NP235A3573 AS FOLLOWS:
CL I GR C&D CL II GR F&G
2 POLE, TS SHAFT EXTN
EXPLOSION PROOF
(3) NC THERMOSTAT LEADS TO MAIN CND BOX
920 Cu. In. CBOX

Performance Characteristics

1st Winding 1st Connection

Design: 36ED0062A

Marks:

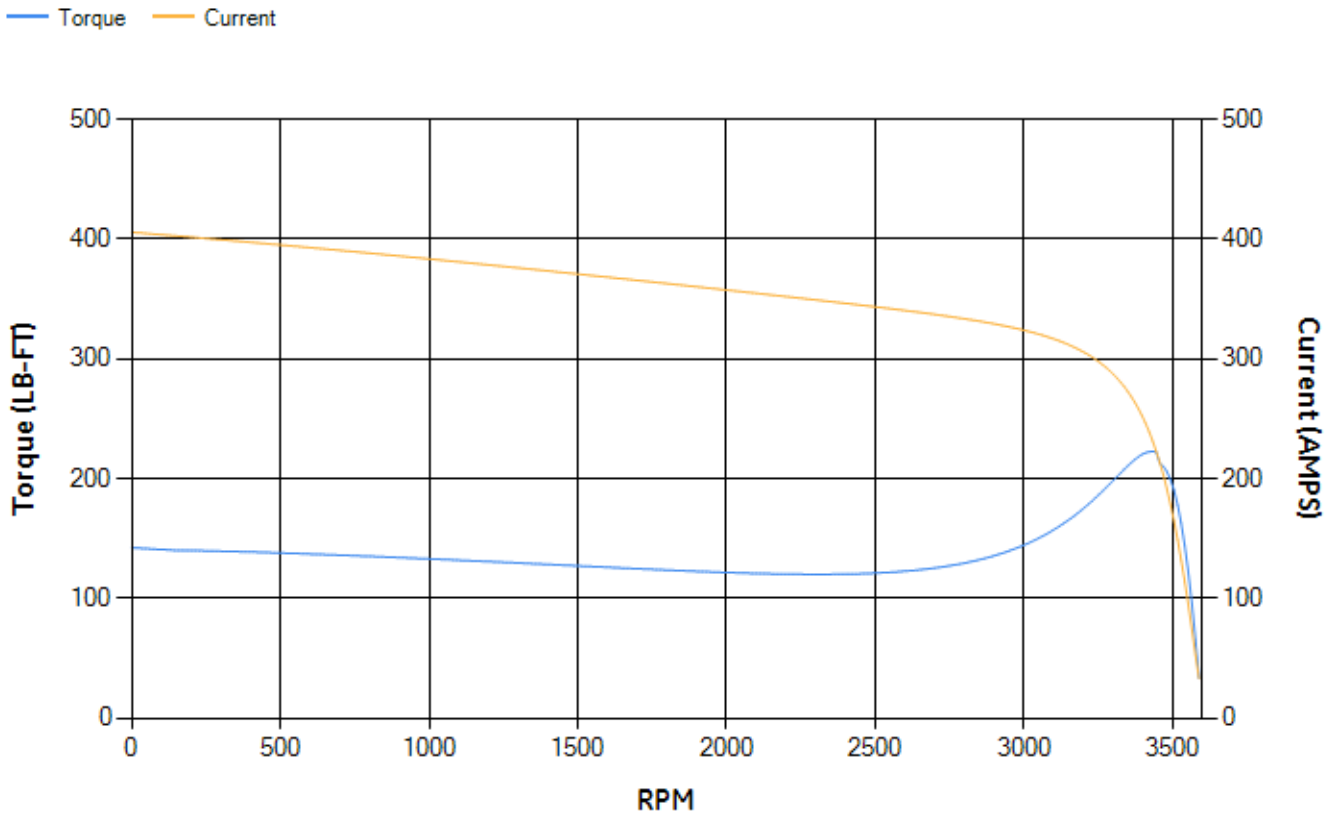
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.14	93.43	93.95	93.94	93.27	89.56	0.00
% PF	87.7	87.6	87.04	84.42	77.28	57.26	6.2
AMPS	85.93	78.91	68.66	53.11	38.96	27.38	21.35

TORQ(FL)#FT	88.81	TORQ(LR)%FL	160.17	TORQ(BD)%FL	250.48
AMPS(LR)	405.73	PF AT START	0.26		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 166 Lb-Ft Sq (6.99 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 17 seconds. Safe stall time at 100% voltage is 50 seconds cold, 20 seconds hot. Rotor inertia is 4.29 Lb-Ft Sq (0.18 Kg-meter Sq).

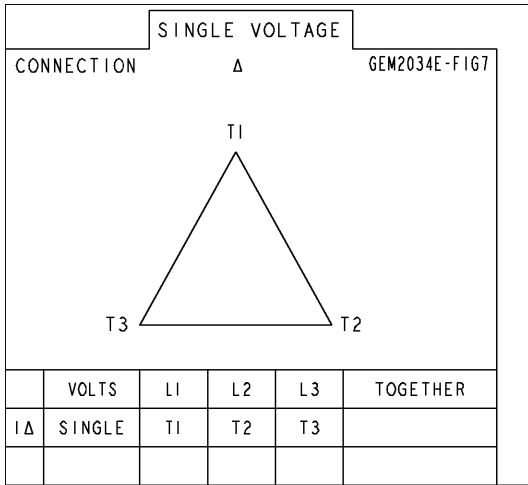
Open Circuit A-C:	0.586	Short Circuit D-C:	0.029
Short Circuit A-C:	0.03	X/R Ratio:	10.899
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG7



Thermostat Connection
3027JE-2

FIG. 2
THERMOSTAT CONN.

