

# Product Information Packet

January 12, 2017

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

<b>Model Number:</b>	<b>5KS365CAG118A</b>
<b>Catalog Number:</b>	<b>E9279</b>
<b>Instruction Manual:</b>	GEI-56128
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	225B5200AK

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

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**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS365CAG118A</b>	<b>Estimated Weight:</b>	1020 Lbs
<b>Outline Drawing:</b>	225B5200AK	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG7	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-56128	<b>Encl Construction:</b>	XP
<b>Design Code:</b>	36ED0055A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	XX
<b>Frame:</b>	365TS	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	B
<b>Poles:</b>	2	<b>Nominal Efficiency:</b>	94.1 %
<b>Output Power:</b>	75HP 55.5KW	<b>Guaranteed Efficiency:</b>	93.0
<b>RPM:</b>	3550	<b>3/4 Load Efficiency:</b>	94.5
<b>Voltage:</b>	460	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	19.1
<b>Amps - FL:</b>	84.3	<b>Power Factor:</b>	88.5
<b>Service Factor:</b>	1.0	<b>Bearing - DE:</b>	6314ZC3
<b>Alt Service Factor:</b>	XX	<b>Bearing - ODE:</b>	6314ZC3

**Enclosure is Totally Enclosed Fan-Cooled**

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**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  
NC THERMOSTAT LEADS TO MAIN CONDUIT BOX  
920 Cu. In. CBOX

**Performance Characteristics**

1st Winding 1st Connection

**Design: 36ED0055A**

**Marks:**

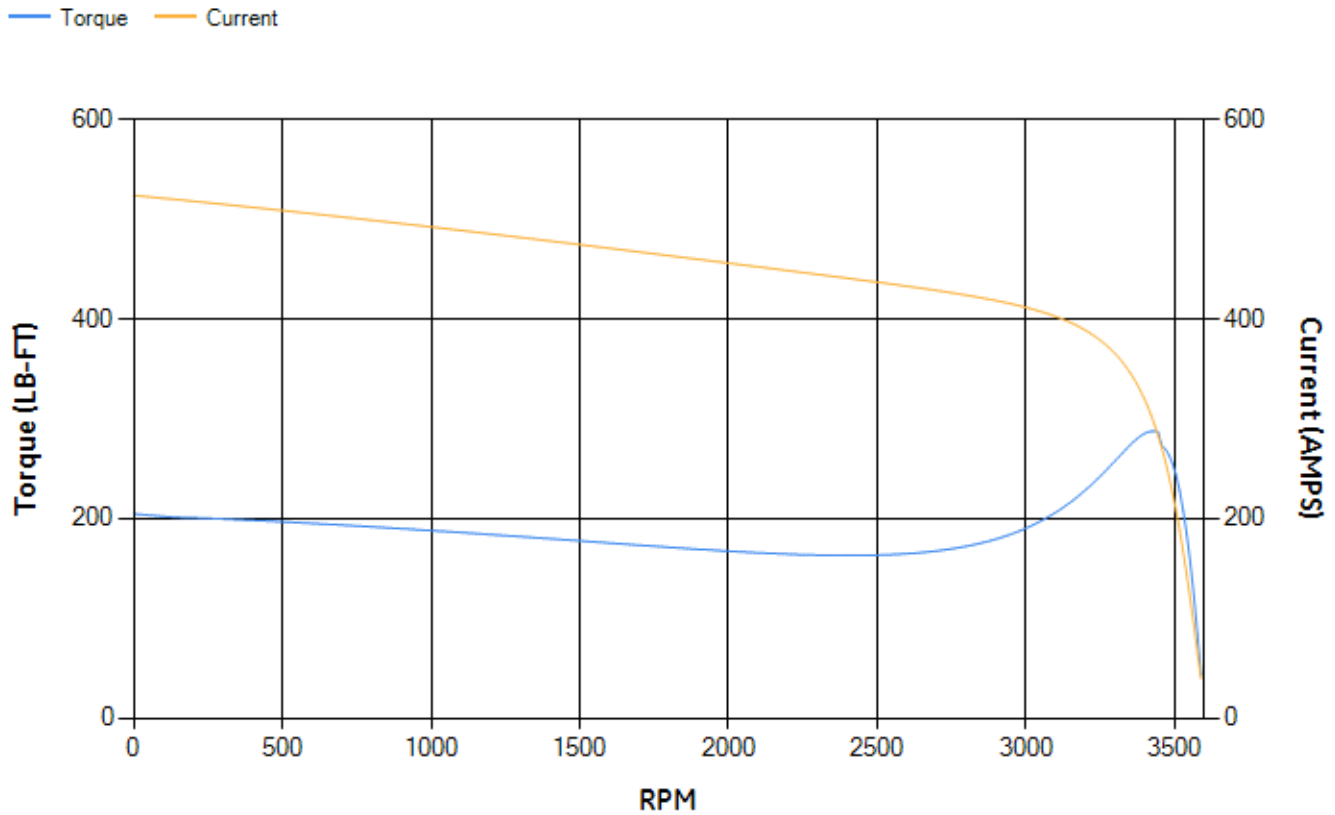
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.47	93.77	94.34	94.45	94.02	91	0.00
% PF	89.01	88.99	88.59	86.45	80.21	61.17	5.84
AMPS	105.47	96.74	83.97	64.48	46.54	31.53	23.47

<b>TORQ(FL)#FT</b>	111.01	<b>TORQ(LR)%FL</b>	184.3	<b>TORQ(BD)%FL</b>	258.92
<b>AMPS(LR)</b>	523.79	<b>PF AT START</b>	0.28		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 176 Lb-Ft Sq (7.41 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 42 seconds cold, 16 seconds hot. Rotor inertia is 5.61 Lb-Ft Sq (0.24 Kg-meter Sq).

<b>Open Circuit A-C:</b>	0.654	<b>Short Circuit D-C:</b>	0.029
<b>Short Circuit A-C:</b>	0.028	<b>X/R Ratio:</b>	10.975
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	38

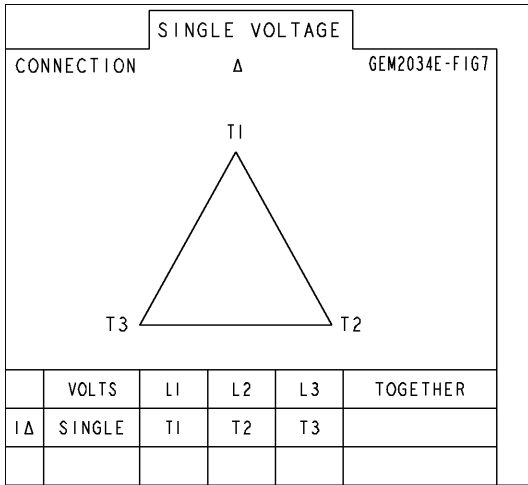
**Speed Torque Current Curve (First Connection, First Speed)**





Marks:

**Connection Diagram**  
**GEM2034E-FIG7**



**Thermostat Connection**  
**3027JE-2**

FIG. 2  
THERMOSTAT CONN.

