

Product Information Packet

November 9, 2016

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

Model Number:	5KS215STE204A
Catalog Number:	M7529
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG1
Outline Drawing:	358B6271AB

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:	5KS215STE204A	Estimated Weight:	197 Lbs
Outline Drawing:	358B6271AB	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG1	Enclosure:	TEFC
Instruction Book:	GEI-M1031	Encl Construction:	SD
Design Code:	21AD1015B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	215T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	4	Nominal Efficiency:	91.7 %
Output Power:	10HP 7.4KW	Guaranteed Efficiency:	90.2
RPM:	1760	3/4 Load Efficiency:	92.6
Voltage:	575	KVA Code:	J
Hertz:	60	Max KVAR:	3.2
Amps - FL:	9.8	Power Factor:	84
Service Factor:	1.15	Bearing - DE:	6308ZZC3
Alt Service Factor:	--	Bearing - ODE:	6208ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:**Additional Information:**

4 POLE, TEFC, LRA: 77.8 AMPS
 SOUND POWER : 79 DBA
 GREASE: SHELL ALVANIA R3 LITHIUM GREASE
 NO. OF MOTOR LEADS: 3
 CONDUIT BOX VOLUME (CU IN): 66.7
 CONDUIT BOX MATERIAL: CAST IRON
 SUITABLE FOR USE IN CLASS I DIVISION 2 LOCATIONS
 CLASS I DIVISION 2 GROUPS A,B,C,D T3C
 CLASS I ZONE 2 IIC T3C

Performance Characteristics

1st Winding 1st Connection

Design: 21AD1015B

Marks:

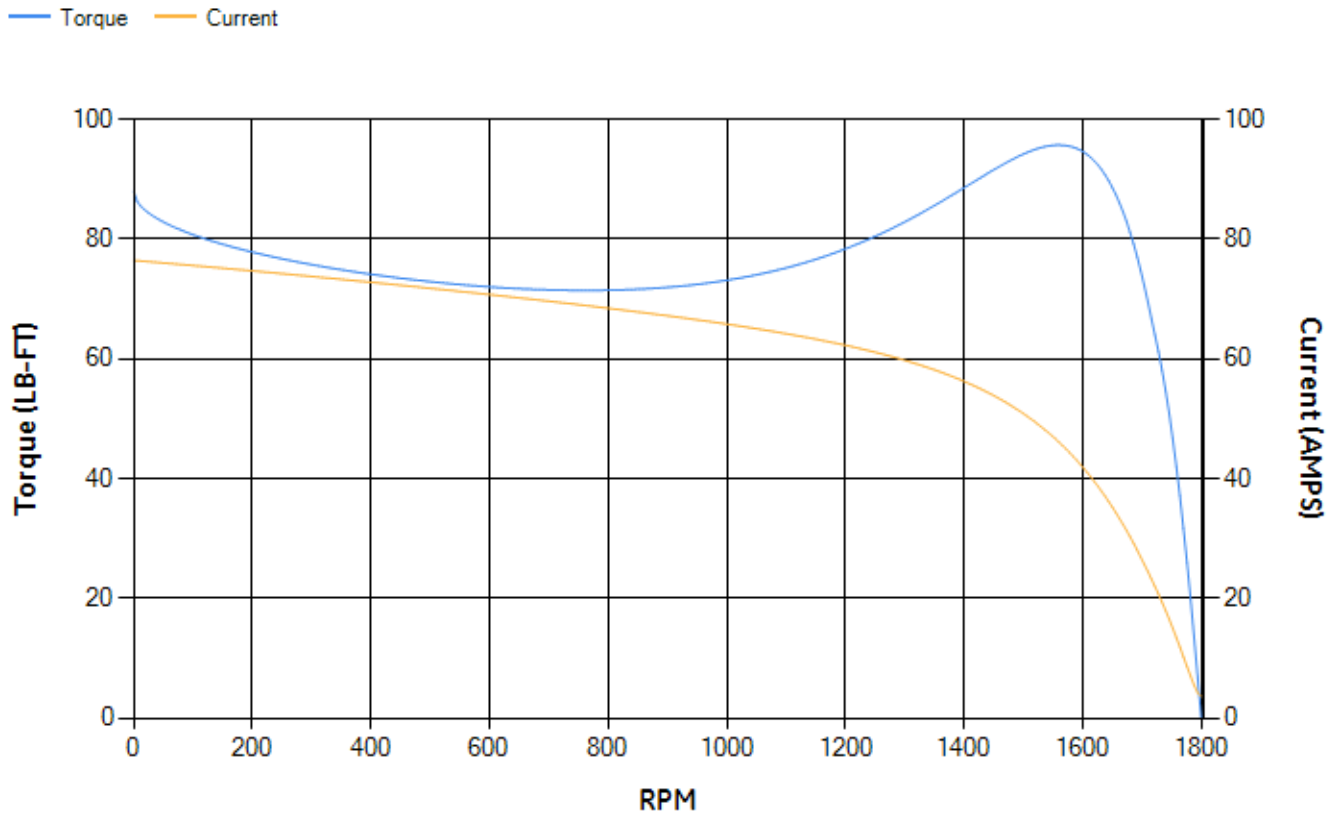
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.86	91.35	92.18	92.64	92.44	89.34	0.00
% PF	85.26	84.83	83.66	79.61	70.32	48.67	5.17
AMPS	12.08	11.11	9.71	7.61	5.76	4.31	3.58

TORQ(FL)#FT	29.8	TORQ(LR)%FL	295.38	TORQ(BD)%FL	318.31
AMPS(LR)	76.44	PF AT START	0.43		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 303 Lb-Ft Sq (12.76 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 26 seconds. Safe stall time at 100% voltage is 81 seconds cold, 44 seconds hot. Rotor inertia is 1.16 Lb-Ft Sq (0.05 Kg-meter Sq).

Open Circuit A-C:	0.334	Short Circuit D-C:	0.011
Short Circuit A-C:	0.014	X/R Ratio:	4.242
Stator Slots:	48	Rotor Slots:	40

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG1

