

Product Information Packet

November 8, 2016

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

Model Number:	5KS213STE122A
Catalog Number:	M7717
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG210
Outline Drawing:	358B6277AA

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:	5KS213STE122A	Estimated Weight:	202 Lbs
Outline Drawing:	358B6277AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG210	Enclosure:	TEFC
Instruction Book:	GEI-M1031	Encl Construction:	SD
Design Code:	21AD0013A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	213TC	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	2	Nominal Efficiency:	89.5 %
Output Power:	7.5HP 5.6KW	Guaranteed Efficiency:	87.5
RPM:	3515	3/4 Load Efficiency:	92.0
Voltage:	230/460	KVA Code:	J
Hertz:	60	Max KVAR:	2.0
Amps - FL:	18.0/9.0	Power Factor:	87.0
Service Factor:	1.15	Bearing - DE:	6308ZZC3
Alt Service Factor:	--	Bearing - ODE:	6208ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

USABLE AT 200V @ 7.5 HP,20.4 AMPS @ 1.0 SF

LRA: 141.6/70.8

50HZ DATA: 5 HP,200/400V, 15.8/7.9 AMPS @ 1.15 SF

50HZ DATA:7.5 HP,200/400V,20.6/10.3 AMPS @ 1.00 SF

GREASE TYPE: SHELL ALVANIA R3 LITHIUM GREASE

Additional Information:

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: 21AD0013A

Marks:

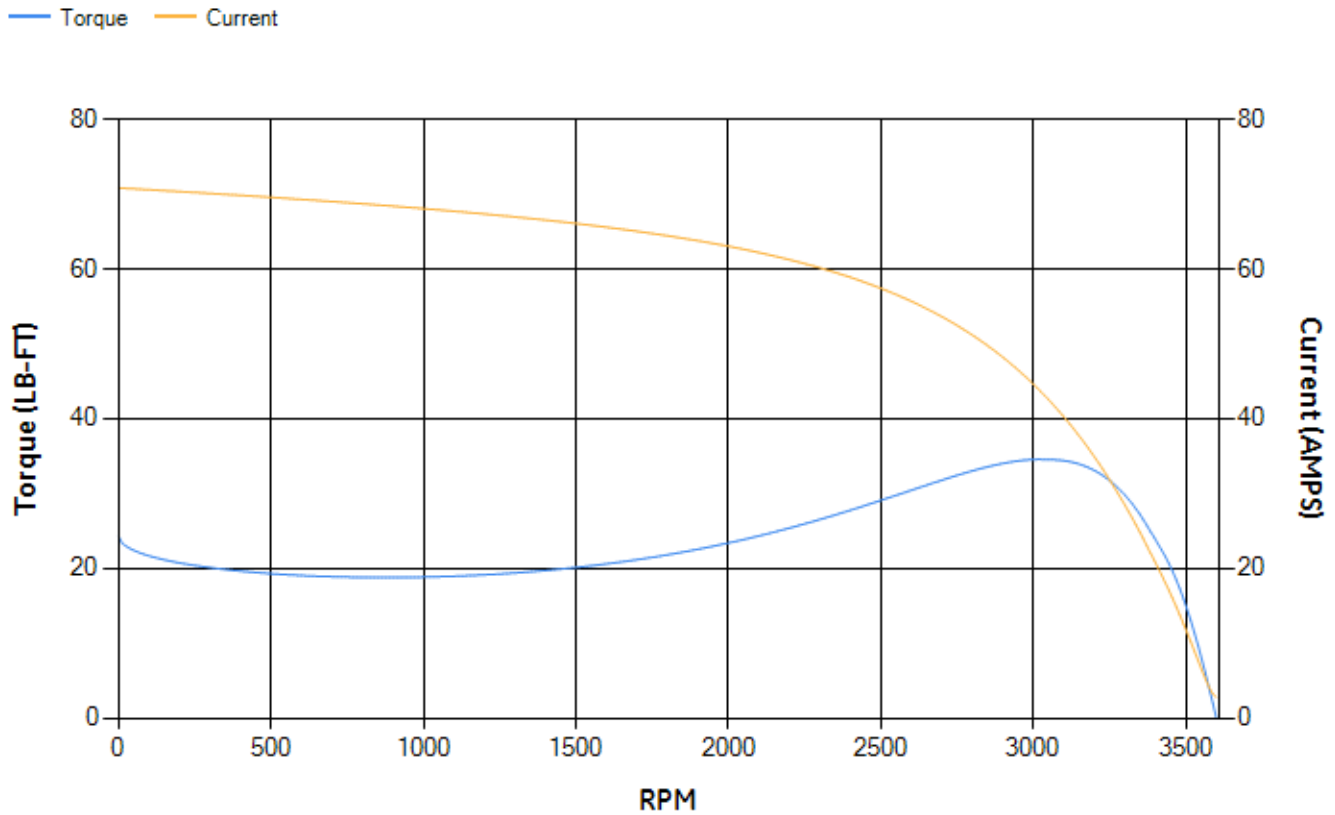
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.12	90.66	91.54	92.05	91.82	88.42	0.00
% PF	88.1	87.94	87.27	84.41	76.92	56.53	7.08
AMPS	11.05	10.13	8.79	6.78	4.97	3.51	2.77

TORQ(FL)#FT	11.21	TORQ(LR)%FL	216.99	TORQ(BD)%FL	302.47
AMPS(LR)	70.83	PF AT START	0.34		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 40 Lb-Ft Sq (1.68 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 24 seconds. Safe stall time at 100% voltage is 40 seconds cold, 31 seconds hot. Rotor inertia is 0.4 Lb-Ft Sq (0.02 Kg-meter Sq).

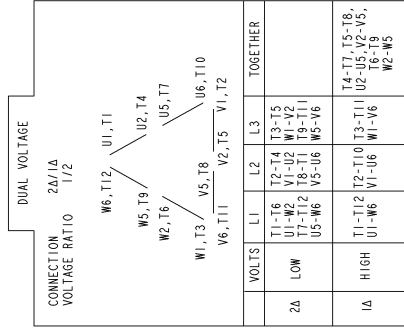
Open Circuit A-C:	0.347	Short Circuit D-C:	0.014
Short Circuit A-C:	0.013	X/R Ratio:	5.25
Stator Slots:	24	Rotor Slots:	18

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG210



NAME:501452353 OBJECT:GEM2034E-FIG210 DATE:25-Feb-08 14:03:35

