

Product Information Packet

November 8, 2016

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

Model Number:	5KS326STE115A
Catalog Number:	M7713
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG210
Outline Drawing:	358B6274AD

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



Marks:

MODEL NUMBER:	5KS326STE115A	Estimated Weight:	750 Lbs
Outline Drawing:	358B6274AD	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG210	Enclosure:	TEFC
Instruction Book:	GEI-M1031	Encl Construction:	SD
Design Code:	32AD0013A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	326TS	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	2	Nominal Efficiency:	93 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	91.7
RPM:	3545	3/4 Load Efficiency:	93.4
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	7.4
Amps - FL:	110/55	Power Factor:	91.5
Service Factor:	1.15	Bearing - DE:	6312C3
Alt Service Factor:	--	Bearing - ODE:	6212C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

LRA: 748.4/374.2

50HZ DATA: 40 HP,200/400V, 116/58 AMPS @ 1.15 SF

50HZ DATA:50 HP,200/400V,126.4/63.2 AMPS @ 1.00 SF

GREASE TYPE: EXXON POLYREX EM

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: 32AD0013A

Marks:

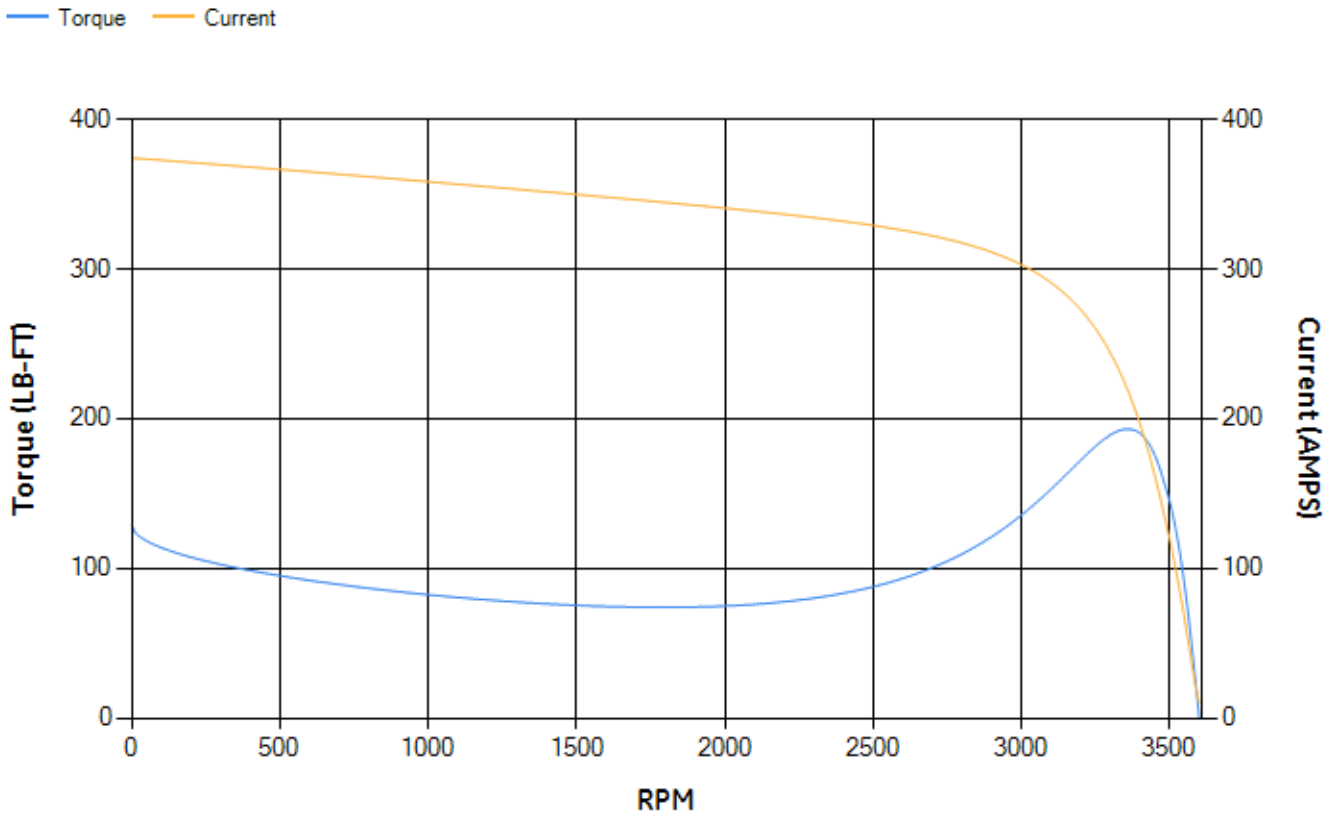
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.01	92.41	93.12	93.39	93.05	89.91	0.00
% PF	91.21	91.53	91.76	91.2	88.17	75.57	11.16
AMPS	69.7	63.62	54.77	41.21	28.52	17.22	10.19

TORQ(FL)#FT	74.06	TORQ(LR)%FL	174.28	TORQ(BD)%FL	258.84
AMPS(LR)	374.22	PF AT START	0.27		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 156 Lb-Ft Sq (6.57 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 25 seconds. Safe stall time at 100% voltage is 49 seconds cold, 30 seconds hot. Rotor inertia is 5.71 Lb-Ft Sq (0.24 Kg-meter Sq).

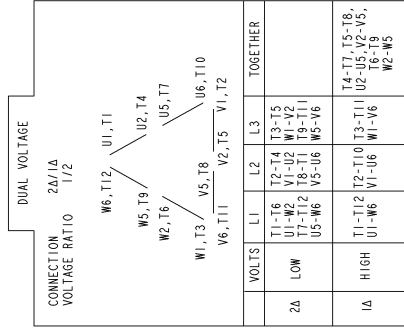
Open Circuit A-C:	0.956	Short Circuit D-C:	0.022
Short Circuit A-C:	0.025	X/R Ratio:	8.368
Stator Slots:	36	Rotor Slots:	28

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