

Product Information Packet

November 7, 2016

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

Model Number:	5KS213ATE305A
Catalog Number:	E7011
Instruction Manual:	GEI-M1023
Connection Diagram:	GEM2034E-FIG10
Outline Drawing:	358B6215AA

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:	5KS213ATE305A	Estimated Weight:	156 Lbs
Outline Drawing:	358B6215AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG10	Enclosure:	DP
Instruction Book:	GEI-M1023	Encl Construction:	OPEN
Design Code:	21AD3002A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	213T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	6	Nominal Efficiency:	88.5 %
Output Power:	3HP 2.2KW	Guaranteed Efficiency:	86.5
RPM:	1180	3/4 Load Efficiency:	89.7
Voltage:	230/460	KVA Code:	M
Hertz:	60	Max KVAR:	2.3
Amps - FL:	9.6/4.8	Power Factor:	64.5
Service Factor:	1.15	Bearing - DE:	6308ZZ
Alt Service Factor:	--	Bearing - ODE:	6208ZZ

Enclosure is Dripproof

Stamped Nameplate Notes:**Additional Information:**

OFFSET STATOR CORE NOT SUITABLE FOR F2 CONVERSION
 6 POLE DP
 LRA: 90.2/45.1
 NO. OF MOTOR LEADS: 12
 CONDUIT BOX VOLUME (IN³): 50.3
 CONDUIT BOX MTL: STAMPED STEEL
 GREASE TYPE: SHELL ALVANIA R3 LITHIUM GREASE
 USABLE AT 200V @ 3HP, 9.8 AMPS @ 1.0 SF
 50 HZ DATA: 3 HP, 200/400V, 10.8/5.4 AMPS @ 1.0 SF, 980 RPM
 DMK, 06/04, DATA UPDATE 11/2004
 INVERTER DUTY PER NEMA MG1 PART 31
 FOR VARIABLE TORQUE LOADS

Performance Characteristics

1st Winding 1st Connection

Design: 21AD3002A

Marks:

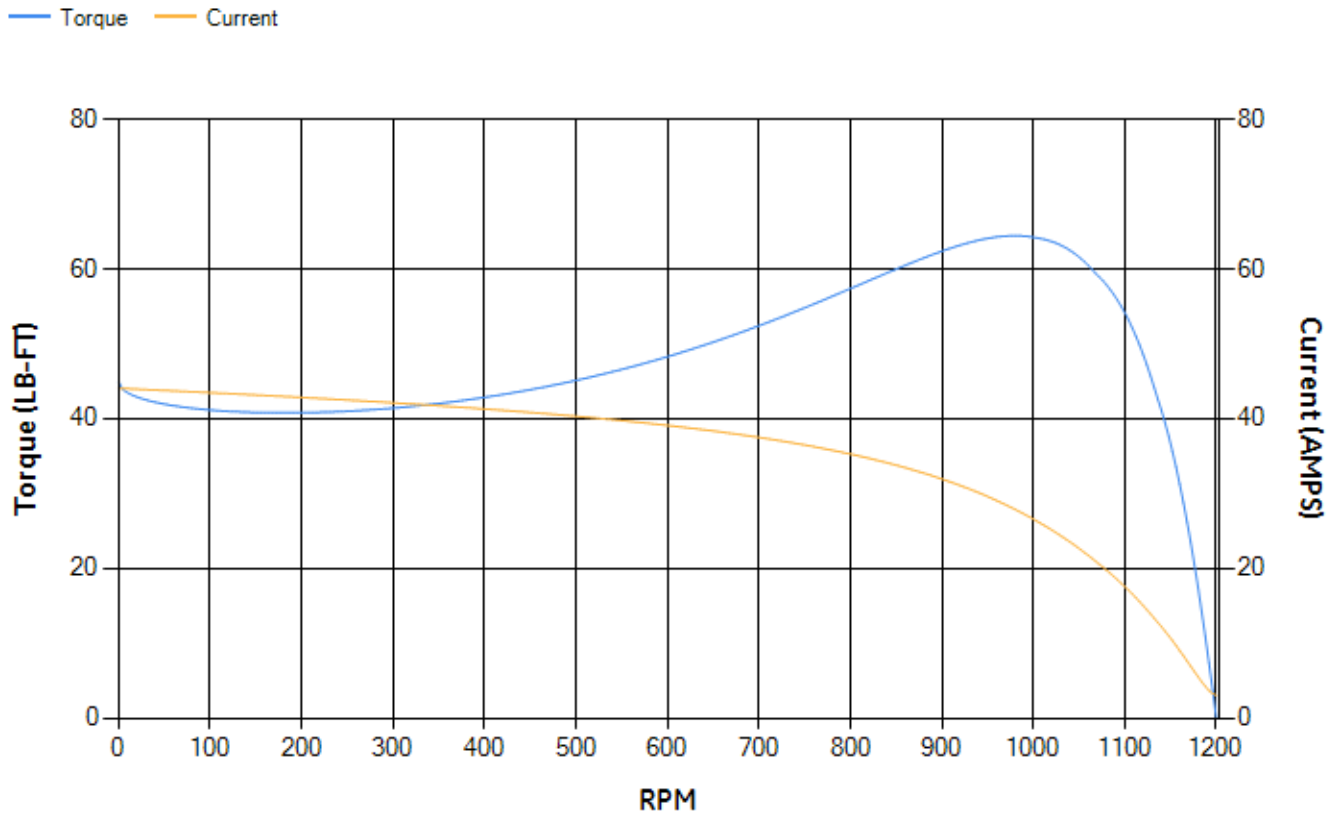
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.31	90.39	90.56	89.73	87.54	80.12	0.00
% PF	72.11	70.06	66.28	57.57	44.82	27.18	5.19
AMPS	5.39	5.1	4.68	4.08	3.58	3.22	3.04

TORQ(FL)#FT	13.31	TORQ(LR)%FL	337.7	TORQ(BD)%FL	478.02
AMPS(LR)	44.06	PF AT START	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 366 Lb-Ft Sq (15.41 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 32 seconds. Safe stall time at 100% voltage is 76 seconds cold, 60 seconds hot. Rotor inertia is 0.88 Lb-Ft Sq (0.04 Kg-meter Sq).

Open Circuit A-C:	0.229	Short Circuit D-C:	0.01
Short Circuit A-C:	0.015	X/R Ratio:	3.671
Stator Slots:	54	Rotor Slots:	42

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG10

