

Product Information Packet

November 7, 2016

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

Model Number:	5KS143ATE205RG3
Catalog Number:	E7050
Instruction Manual:	GEI-M1023
Connection Diagram:	GEM2034E-FIG3
Outline Drawing:	358B6213AC

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:	5KS143ATE205RG3	Estimated Weight:	41 Lbs
Outline Drawing:	358B6213AC	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG3	Enclosure:	DP
Instruction Book:	GEI-M1023	Encl Construction:	OPEN
Design Code:	14AD1003A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	143T	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	85.5 %
Output Power:	1HP 0.7KW	Guaranteed Efficiency:	82.5
RPM:	1735	3/4 Load Efficiency:	87.9
Voltage:	230/460	KVA Code:	N
Hertz:	60	Max KVAR:	.5
Amps - FL:	2.8/1.4	Power Factor:	77.5
Service Factor:	1.15	Bearing - DE:	6205ZZ
Alt Service Factor:	--	Bearing - ODE:	6205ZZ

Enclosure is Dripproof

Stamped Nameplate Notes:**Additional Information:**

4 POLE DP
 LRA: 20.4/10.2
 NO. OF MOTOR LEADS: 9
 CONDUIT BOX VOLUME (IN³): 30.2
 CONDUIT BOX MTL: STAMPED STEEL
 GREASE TYPE: SHELL ALVANIA R3 LITHIUM GREASE
 USABLE AT 200V @ 1 HP, 3.1 AMPS @ 1.0 SF
 50 HZ DATA: 3/4 HP, 200/400V, 2.6 / 1.3 AMPS @1.0SF, 1450 RPM
 SOUND POWER: 50.96
 DMK, 06/04, DATA UPDATE 11/2004
 INVERTER DUTY PER NEMA MG1 PART 31
 FOR VARIABLE TORQUE LOADS
 MADE FROM MODEL 5KS143ATE205
 W/ SHAFT GROUNDING RING, P/N 235A4970AG12
 BAM 2/12

Performance Characteristics

1st Winding 1st Connection

Design: 14AD1003A

Marks:

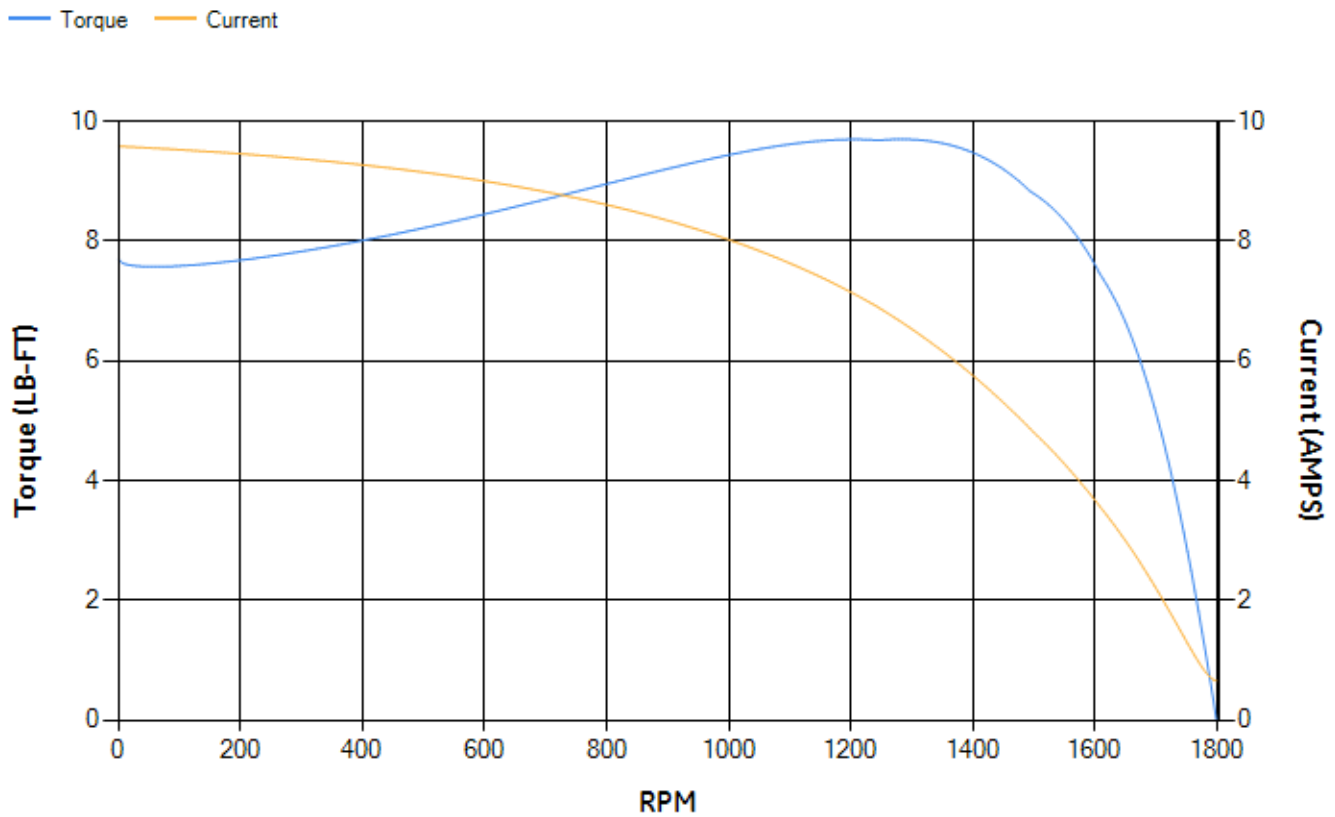
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	86.48	87	87.81	87.95	86.7	80.31	0.00
% PF	82.44	81.36	79.1	72.78	61.04	39.99	7.73
AMPS	1.64	1.52	1.35	1.1	0.88	0.73	0.65

TORQ(FL)#FT	3.01	TORQ(LR)%FL	255.49	TORQ(BD)%FL	317.27
AMPS(LR)	9.58	PF AT START	0.53		

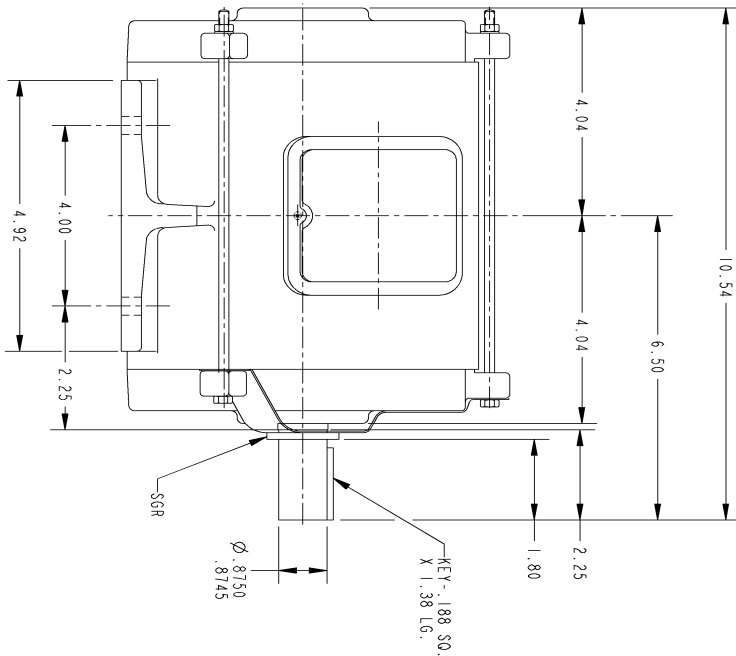
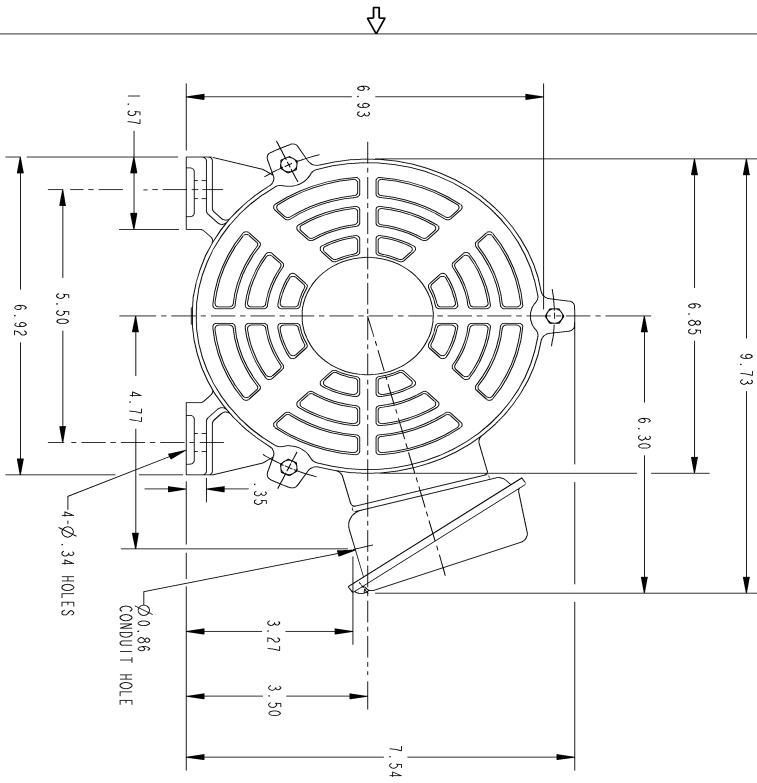
This motor is capable of two cold or one hot start with a maximum connected load inertia of 64 Lb-Ft Sq (2.69 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 49 seconds. Safe stall time at 100% voltage is 117 seconds cold, 93 seconds hot. Rotor inertia is 0.1 Lb-Ft Sq (0 Kg-meter Sq).

Open Circuit A-C:	0.156	Short Circuit D-C:	0.007
Short Circuit A-C:	0.008	X/R Ratio:	2.723
Stator Slots:	36	Rotor Slots:	28

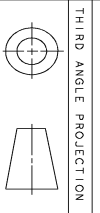
Speed Torque Current Curve (First Connection, First Speed)



Marks:



- NOTES:
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
 2. F-1 ASM AS SHOWN.
 3. F-2 ASM - HAS CONDUIT BOX ON OPPOSITE SIDE.



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REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES	DATE
MODEL: SHANKAR	07/14/11
DETAIL: VENKAT J	07/14/11
CHECKED: VENKAT J	07/14/11
ENGR: VENKAT J	07/14/11
ISSUED: SHANKAR	07/14/11
SOLID MODEL: MODEL NAME	

GE Motors GENERAL ELECTRIC COMPANY

TITLE: **OUTLINE**

143T - OPEN DRIP PROOF WITH SGR

SCALE: DRAWING SCALE

358B6213AC REV 0

SHEET 1 of 1

DISTRIBUTION:

Marks:

Connection Diagram
GEM2034E-FIG3

