



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

June 22, 2020

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

Model Number:	5KS326SAA104D1
Catalog Number:	M9187
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6000AE

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:	5KS326SAA104D1	Estimated Weight:	670 Lbs
Outline Drawing:	239C6000AE	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	32BD0112B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	55
Frame:	326T	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	93.0 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	92.4 %
RPM:	3565	3/4 Load Efficiency:	93.9 %
Voltage:	575	KVA Code:	G
Hertz:	60	Max KVAR:	15.6
Amps - FL:	46.8	Power Factor:	86.0
Service Factor:	1.15	Bearing - DE:	6312ZC3
Alt Service Factor:	1.00	Bearing - ODE:	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS326SAA104D1 S/N: XXX
 CSA CERTIFIED CSA09.2216219 FOR EX NA IIC 200 C GC
 CL 1 ZONE2 AEX NA IIC 200C;CL 1 DIV2 GRP ABCD 200C
 IN -40C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
 SURF TEMP 260C AT 1.15SF ON SINE-WAVE PWR
 OR 215C VT OR 230C CT OR 215C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0 - 60 HZ, CT 30-60 HZ, CHP 60-75 HZ.

Additional Information:

2P - T EXTN
 346 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 F1 MOUNTING



Performance Characteristics

1st Winding 1st Connection

Design: 32BD0112B

Marks:

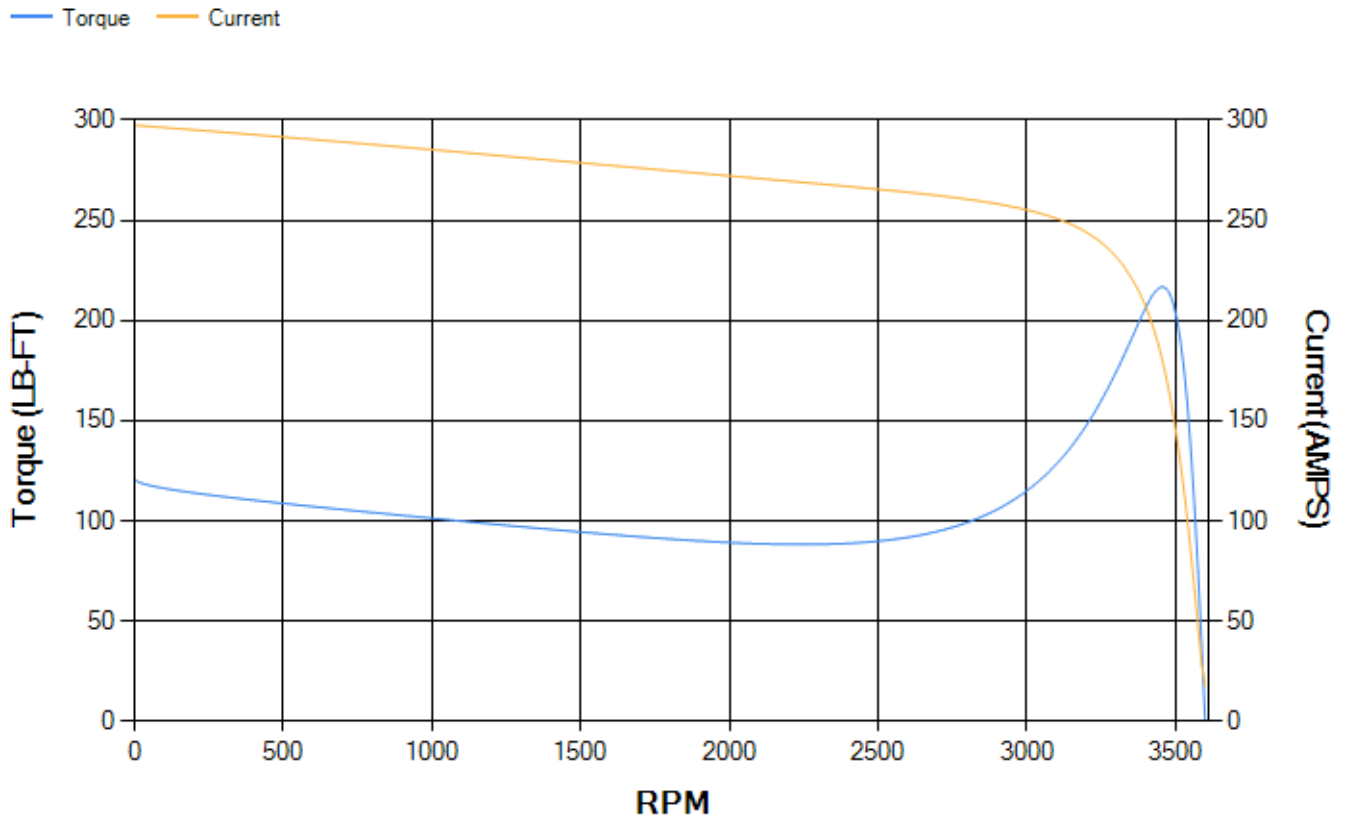
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.33	93.55	94	93.89	93.14	89.45	0.00
% PF	87.37	86.88	85.66	81.6	72.3	50.22	5.4
AMPS	57.39	52.97	46.44	36.65	27.79	20.84	17.48

TORQ(FL)#FT	73.62	TORQ(LR)%FL	164.19	TORQ(BD)%FL	294.35
AMPS(LR)	297.46	PF AT START	0.3		

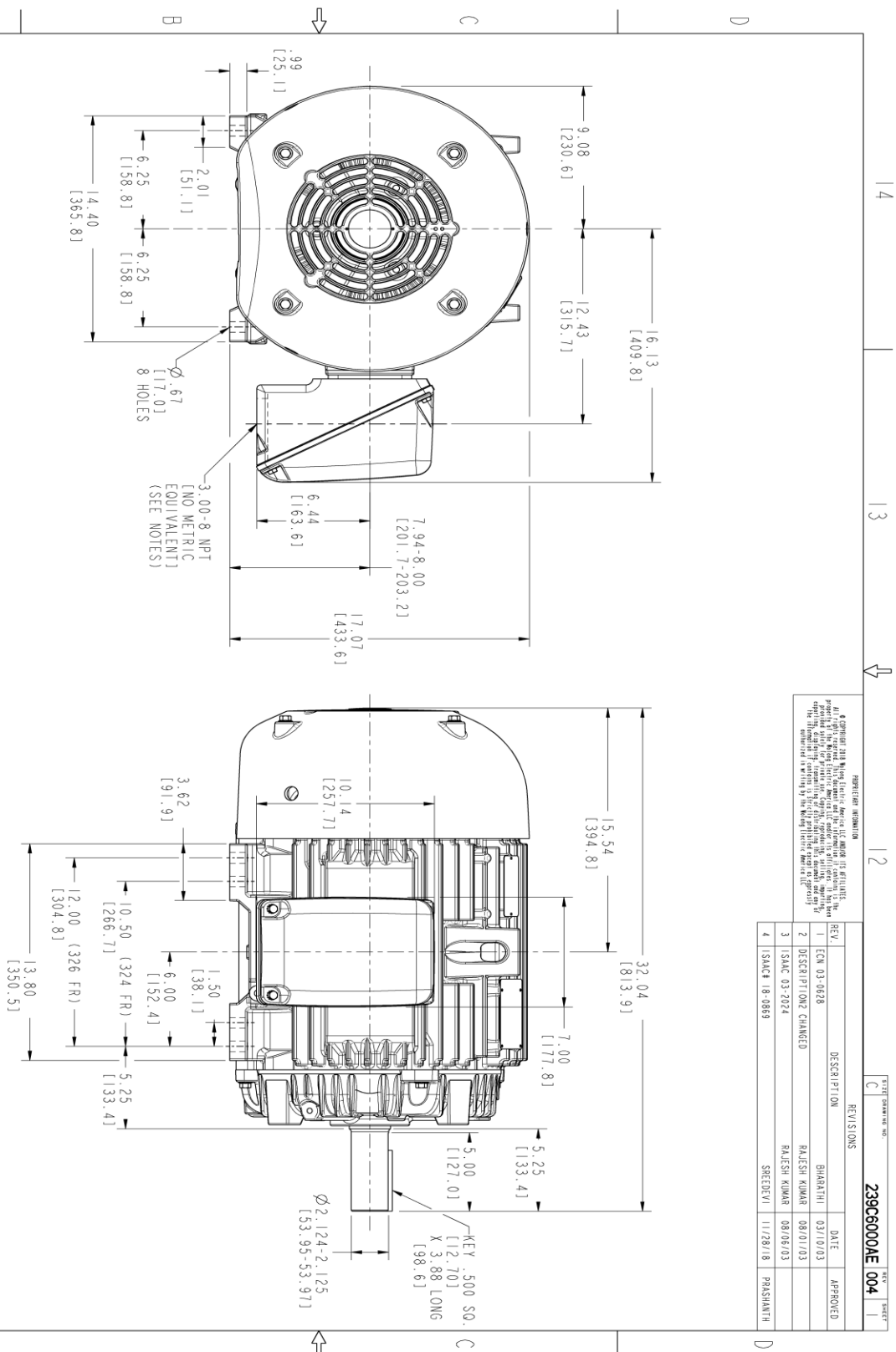
This motor is capable of two cold or one hot start with a maximum connected load inertia of 134 Lb-Ft Sq (5.64 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 19 seconds. Safe stall time at 100% voltage is 44 seconds cold, 23 seconds hot. Rotor inertia is 4.02 Lb-Ft Sq (0.17 Kg-meter Sq).

Open Circuit A-C:	0.708	Short Circuit D-C:	0.019
Short Circuit A-C:	0.04	X/R Ratio:	7.069
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:



PROPRIETARY INFORMATION
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REV.	DESCRIPTION	DATE	APPROVED
1	ECN 03-0628	03/10/03	BHARATHI
2	DESCRIPTION CHANGED	08/01/03	RAJESH KUMAR
3	ISAC 03-2024	08/08/03	RAJESH KUMAR
4	ISAC# 18-0869	11/28/18	PRAASHANTH

NOTES :

- CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
- F-1 ASM AS SHOWN.
- F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE.
- BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).



SIGNATURES	DATE
MODEL: MGRANJ	03/13/02
REVIEW: MANIVANNAN	03/13/02
DRAWN: MGRANJ	03/13/02
ISSUED: MGRANJ	03/13/02

GE INDUSTRIAL MOTORS
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OUTLINE ASSEMBLY
 324/326T TEFC
 346 CU. IN. CONDUIT BOX

SCALE: 0.250

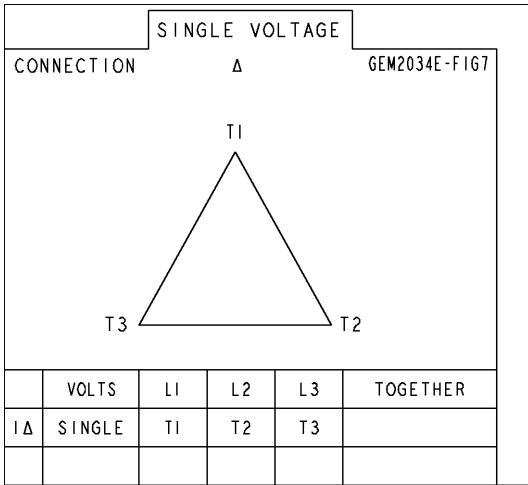
REF. NO.: 239C6000AE

REV: 004

SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4200AA1	115E4200LA1
Bearing	235A2509AS01	235A2509AS01
Slinger/Inproseal	149C4399G04	149C4399G04

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G02
Fan Cover	128D6800AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	149C4429AA2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

