



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

February 19, 2021

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

Model Number:	5KS324SAA308D12
Catalog Number:	M9119
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6000BC

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:	5KS324SAA308D12	Estimated Weight:	660 Lbs
Outline Drawing:	239C6000BC	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	32BD3099A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	324T	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	6	Nominal Efficiency:	93.0 %
Output Power:	25HP 18.5KW	Guaranteed Efficiency:	92.4 %
RPM:	1180	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	10.3
Amps - FL:	32.1	Power Factor:	78.5
Service Factor:	1.15	Bearing - DE:	6312ZC3
Alt Service Factor:	--	Bearing - ODE:	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009

DE BRG 60BC03JP30, ODE BRG 60BC03JP30

STAMP NP249A5564P051 AS BELOW:

MODEL:5KS324SAA308D12 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 215C AT 1.15SF ON SINE-WAVE PWR

OR 200C VT OR 200C CT OR 200C CHP PWM CONTROL

ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB

VT 0 - 60 HZ, CT 3 - 60 HZ, CHP 60 - 90 HZ.



Additional Information:

6P - T EXTN
PAINTED FRAME ID & SHAFT,
FAN COVER INSIDE & ODE E/S OUTSIDE
C/BOX 346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
.0015" TIR SHAFT RUNOUT
ROUTINE TEST REPORT AND 5 POINT VIBRATION TEST
REPORT INCLUDED IN C/B
GROUND PAD
F1 MOUNTING



Performance Characteristics

1st Winding 1st Connection

Design: 32BD3099A

Marks:

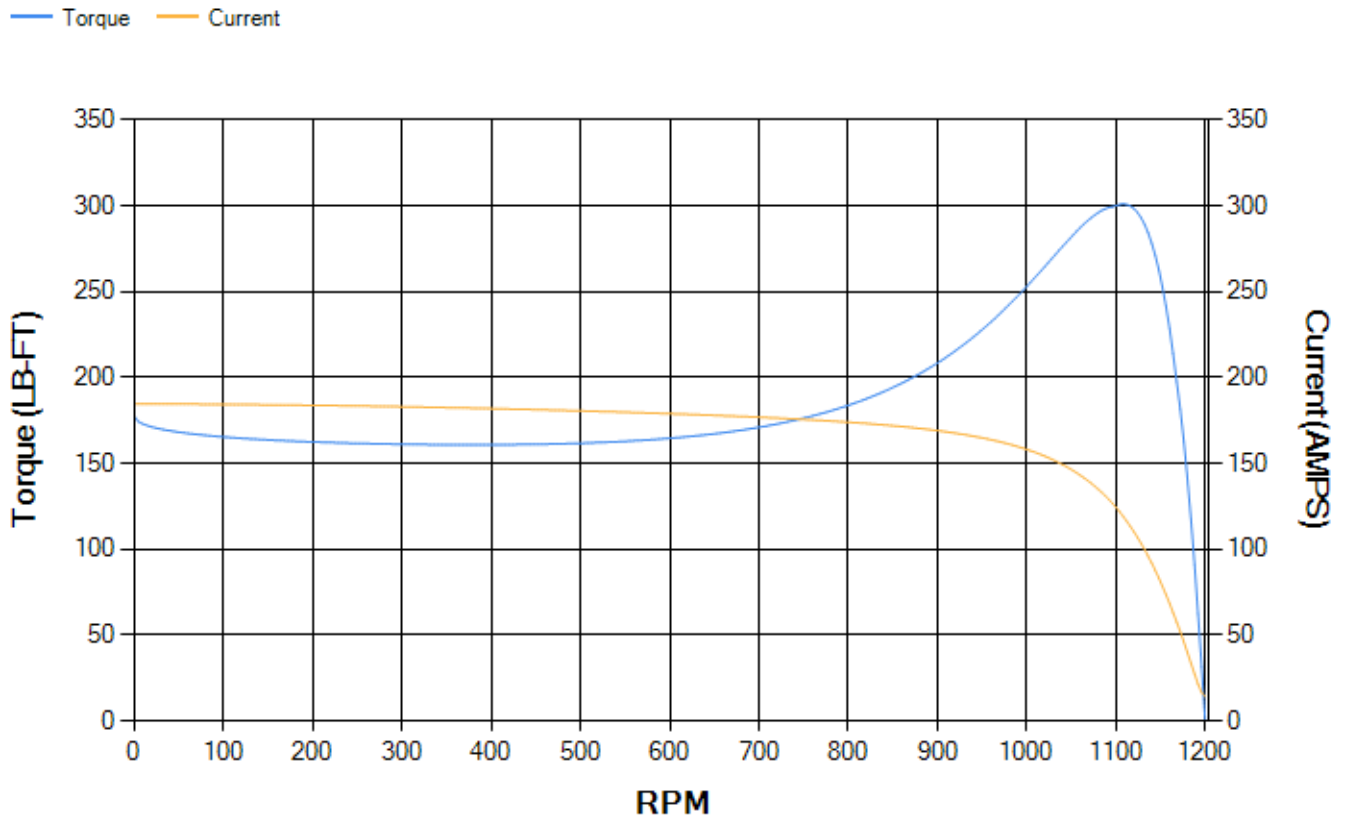
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.2	92.56	93.21	93.38	92.92	89.56	0.00
% PF	81	80.3	78.6	73.26	62.21	40.3	4
AMPS	39.16	36.2	31.92	25.65	20.24	16.21	14.32

TORQ(FL)#FT 111.19 **TORQ(LR)%FL** 159.54 **TORQ(BD)%FL** 268.46
AMPS(LR) 184.74 **PF AT START** 0.33

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2445 Lb-Ft Sq (102.93 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 62 seconds. Safe stall time at 100% voltage is 116 seconds cold, 75 seconds hot. Rotor inertia is 8.87 Lb-Ft Sq (0.37 Kg-meter Sq).

Open Circuit A-C: 0.34 **Short Circuit D-C:** 0.018
Short Circuit A-C: 0.022 **X/R Ratio:** 6.623
Stator Slots: 54 **Rotor Slots:** 40

Speed Torque Current Curve (First Connection, First Speed)



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	159C7000G01
Fan Cover	128D6800AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

