



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

February 17, 2023

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

Model Number:	5KGS444SAA208A
Catalog Number:	M8970
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6600AA

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:	5KGS444SAA208A	Estimated Weight:	1970 Lbs
Outline Drawing:	239C6600AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	44BD1160A	Ambient Max(°C):	40
Type:	KGS	Alt Ambient Max(°C):	--
Frame:	444T	Insulation Class:	H
Phases:	3	NEMA Design:	C
Poles:	4	Nominal Efficiency:	95.8 %
Output Power:	125HP 92.5KW	Guaranteed Efficiency:	95.4 %
RPM:	1780	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	36.8
Amps - FL:	143.0	Power Factor:	85.5
Service Factor:	1.15	Bearing - DE:	6318ZC3
Alt Service Factor:	--	Bearing - ODE:	6318ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

STAMP NP249A5564P051 AS BELOW:
 MODEL:5KGS444SAA208A 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 230C CT OR --C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0 - 60 HZ, CT 15-60 HZ, CHP -- HZ.



Additional Information:

4P - T EXTN
C/BOX 700 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
F1 MOUNTING



Performance Characteristics

1st Winding 1st Connection

Design: 44BD1160A

Marks:

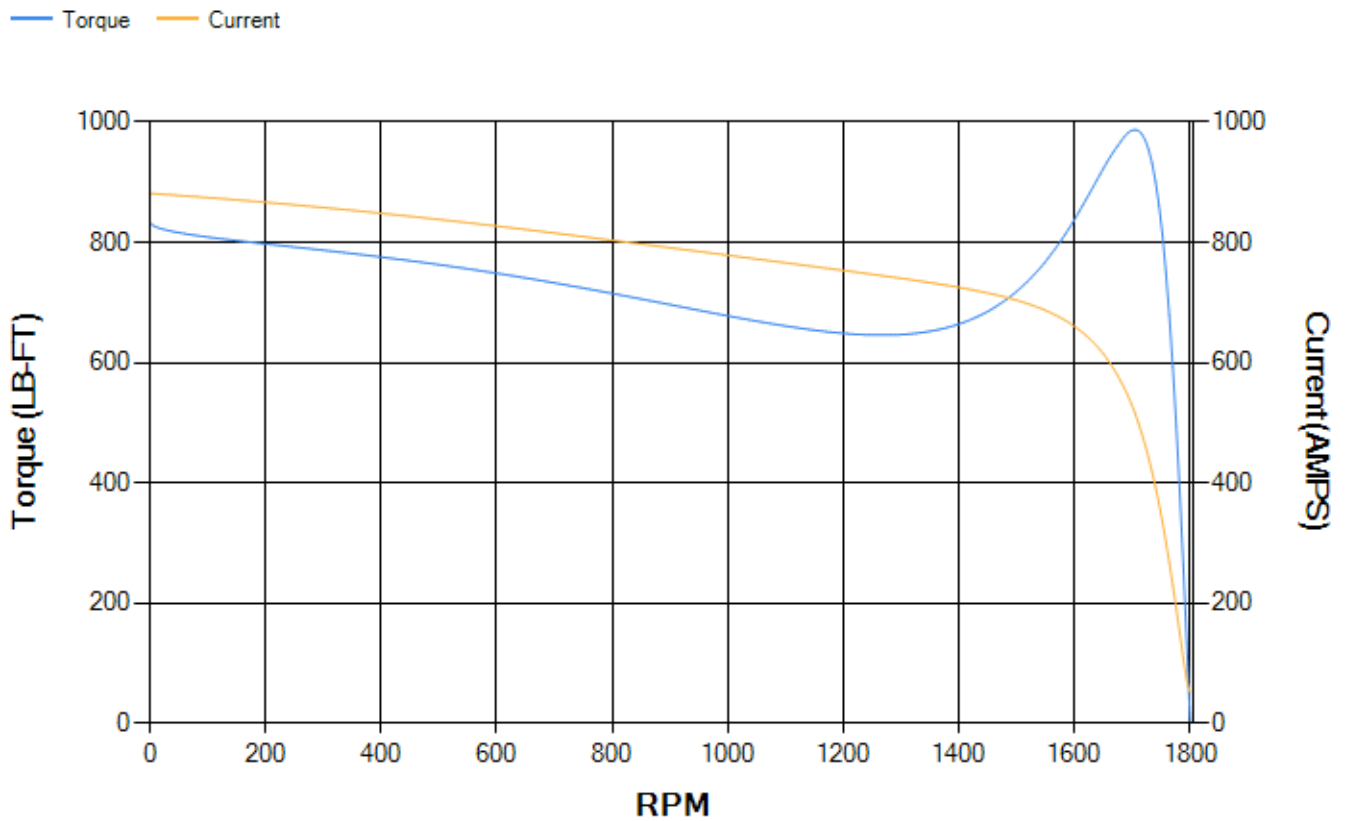
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.2	95.4	95.84	95.83	95.49	93.25	0.00
% PF	86.72	86.35	85.34	81.67	72.83	50.73	3.53
AMPS	177.13	163.32	143.05	112.11	84.11	61.83	51.31

TORQ(FL)#FT	368.39	TORQ(LR)%FL	226.42	TORQ(BD)%FL	267.68
AMPS(LR)	881.58	PF AT START	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2359 Lb-Ft Sq (99.31 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 23 seconds. Safe stall time at 100% voltage is 48 seconds cold, 27 seconds hot. Rotor inertia is 62.69 Lb-Ft Sq (2.64 Kg-meter Sq).

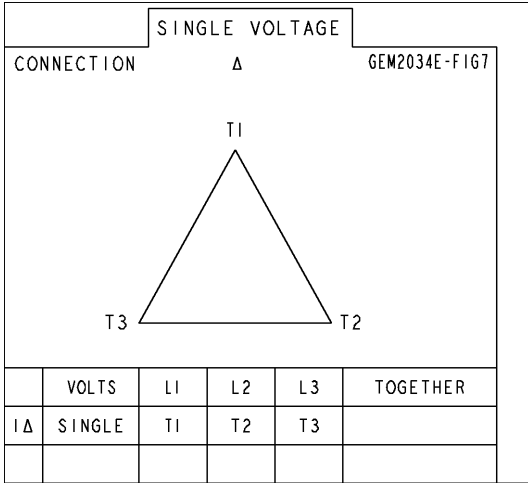
Open Circuit A-C:	0.691	Short Circuit D-C:	0.029
Short Circuit A-C:	0.032	X/R Ratio:	10.857
Stator Slots:	72	Rotor Slots:	58

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	115E4355AA1	115E4355LM1
Bearing	235A2614AA01	235A2614AA01
Slinger/Inproseal	149C4399G07	149C4399G07

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100AA2
Fan Cover	128D6841AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	118D4408AD2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

