

Product Information Packet

November 8, 2016

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

Model Number:	5KS404XAA308D6
Catalog Number:	M9460
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6400PZ

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:	5KS404XAA308D6	Estimated Weight:	1410 Lbs
Outline Drawing:	239C6400PZ	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	40BD3068A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	404T	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	6	Nominal Efficiency:	94.5 %
Output Power:	60HP 44.4KW	Guaranteed Efficiency:	94.1
RPM:	1190	3/4 Load Efficiency:	94.5
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	22.9
Amps - FL:	73.8	Power Factor:	80.5
Service Factor:	1.15	Bearing - DE:	6316ZC3S0
Alt Service Factor:	--	Bearing - ODE:	6316ZC3S0

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
 DE BRG 80BC03JP3026, ODE BRG 80BC03JP3026
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS404XAA308D6 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 -25C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
 SURF TEMP 200C AT 1.15SF ON SINE-WAVE PWR
 OR 200C VT OR 215C 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
 700 CU IN - 3.00" NPT
 INPRO SEAL BOTH ENDS
 OIL RESISTANT SLEEVING ON LEADS
 .0015" TIR SHAFT RUNOUT
 ROUTINE TEST REPORT AND 5 POINT VIBRATION TEST
 REPORT INCLUDED IN C/B
 COPPER WASHER UNDER HEADS OF BEARING CAP BOLTS,
 APPLY TITE-SEAL (A50CD427A) ON BEARING CAP SCREWS,
 RABBETS AND PLUG THREADS.
 GROUND PAD
 F1 MOUNTING

Performance Characteristics

1st Winding 1st Connection

Design: 40BD3068A

Marks:

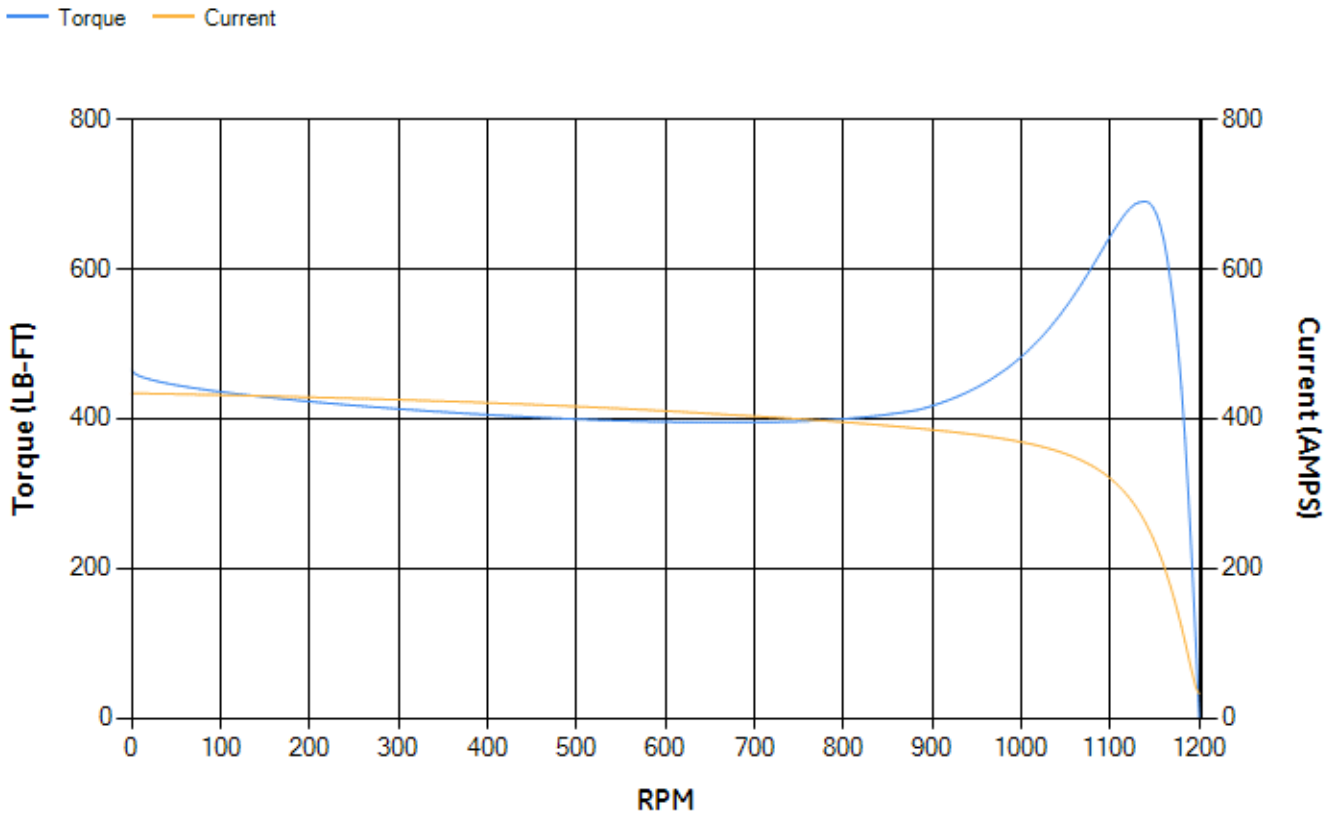
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.83	94.07	94.56	94.54	94.02	90.95	0.00
% PF	82.96	82.28	80.67	75.57	64.78	42.37	3.61
AMPS	90.18	83.43	73.47	58.95	46.1	36.43	31.89

TORQ(FL)#FT	264.9	TORQ(LR)%FL	175.68	TORQ(BD)%FL	259.77
AMPS(LR)	434	PF AT START	0.35		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 5292 Lb-Ft Sq (222.79 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 59 seconds. Safe stall time at 100% voltage is 122 seconds cold, 76 seconds hot. Rotor inertia is 28.57 Lb-Ft Sq (1.2 Kg-meter Sq).

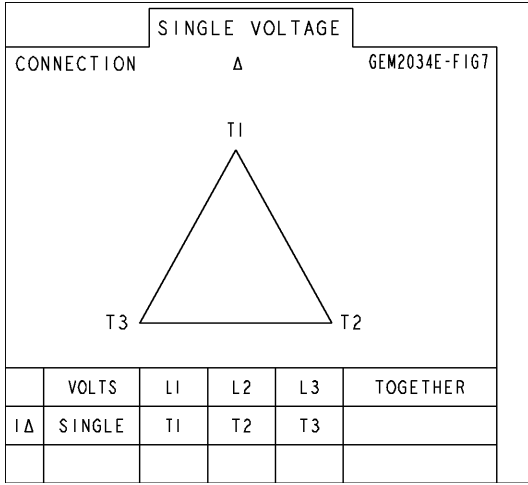
Open Circuit A-C:	0.634	Short Circuit D-C:	0.021
Short Circuit A-C:	0.04	X/R Ratio:	7.881
Stator Slots:	72	Rotor Slots:	58

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	115E4304AA1	115E4304LL1
Bearing	235A2618AA04	235A2618AA04
Slinger/Inproseal	235A4575GS4	235A4575GS4

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100G02
Fan Cover	128D6832AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	