



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

January 30, 2021

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

Model Number:	5KS364SAA115D3
Catalog Number:	M9190
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	239C6200ACD

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: 5KS364SAA115D3
Outline Drawing: 239C6200ACD
Connection Diagram: GEM2034E-FIG9
Instruction Book: GEI-56128
Design Code: 36BD0117A
Type: KS
Frame: 364TS
Phases: 3
Poles: 2
Output Power: 60HP 44.4KW
RPM: 3575
Voltage: 230/460
Hertz: 60
Amps - FL: 140.6/70.3
Service Factor: 1.15
Alt Service Factor: --

Estimated Weight: 970 Lbs
Time Rating: CONT
Enclosure: TEFC
Encl Construction: 841
Ambient Max(°C): 40
Alt Ambient Max(°C): --
Insulation Class: H
NEMA Design: B
Nominal Efficiency: 94.5 %
Guaranteed Efficiency: 94.1 %
3/4 Load Efficiency: --
KVA Code: G
Max KVAR: 19.4
Power Factor: 84.5
Bearing - DE: 6314ZC3
Bearing - ODE: 6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

DE BRG 70BC03JP30, ODE BRG 70BC03JP30
 EXCEPTION-IEEE-STD-841-2009:DUAL VOLTAGE 230/460
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS364SAA115D3 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 200C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0-60 HZ, CT 3-60 HZ, CHP 60-75 HZ.



Additional Information:

2P - TS 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: 36BD0117A

Marks:

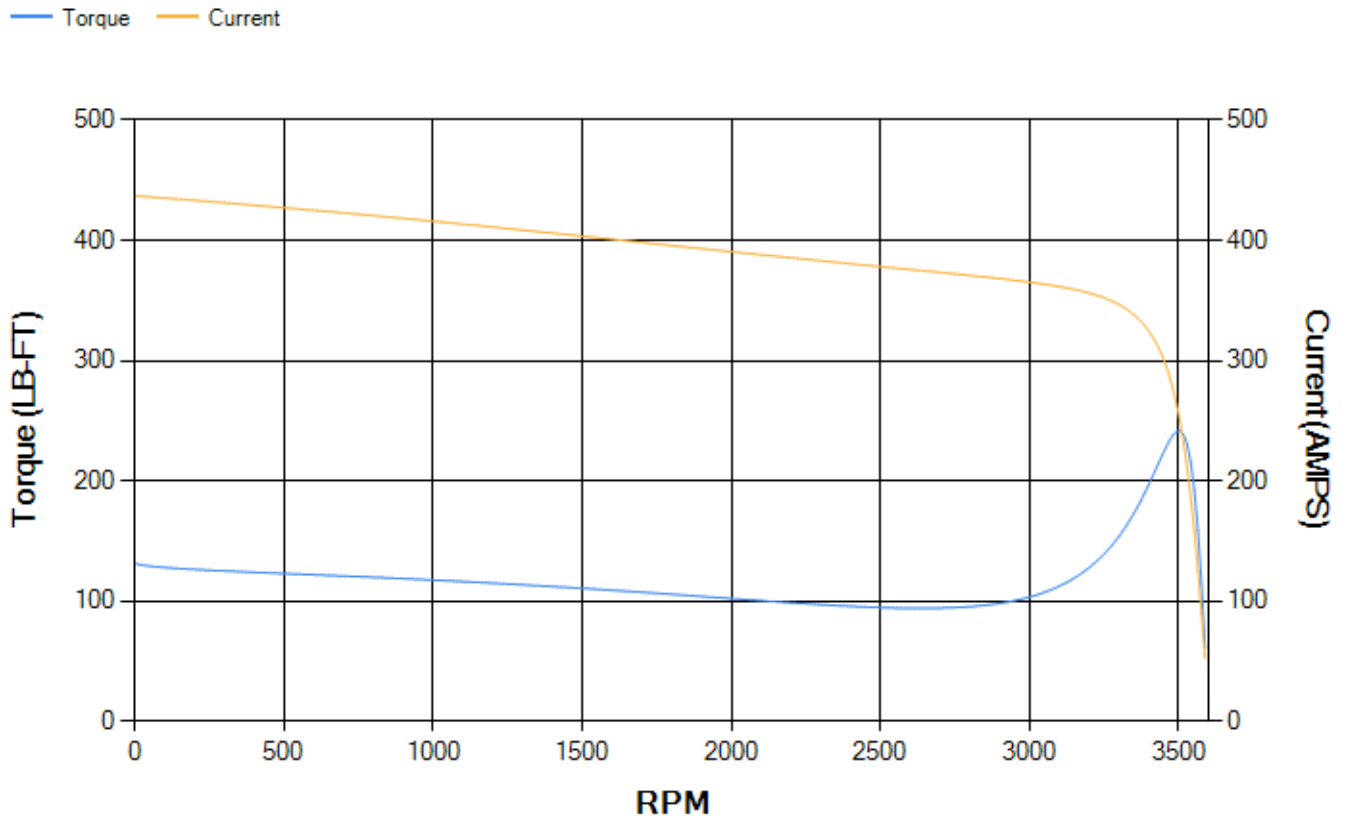
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.24	94.41	94.79	94.59	93.84	90.34	0.00
% PF	86.22	85.73	84.5	80.34	70.83	48.62	4.71
AMPS	86.39	79.79	69.97	55.42	42.24	31.96	27.02

TORQ(FL)#FT	88.11	TORQ(LR)%FL	149.66	TORQ(BD)%FL	273.86
AMPS(LR)	437.11	PF AT START	0.3		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 159 Lb-Ft Sq (6.69 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 22 seconds. Safe stall time at 100% voltage is 46 seconds cold, 26 seconds hot. Rotor inertia is 6.96 Lb-Ft Sq (0.29 Kg-meter Sq).

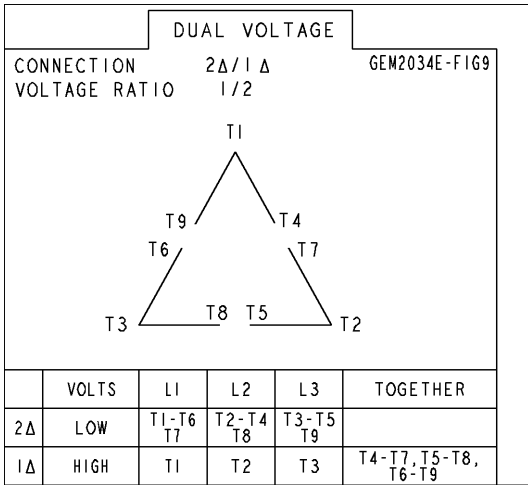
Open Circuit A-C:	0.95	Short Circuit D-C:	0.023
Short Circuit A-C:	0.055	X/R Ratio:	8.805
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG9



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4250AA1	115E4250LK1
Bearing	235A2516AC01	235A2516AC01
Slinger/Inproseal	149C4399G05	149C4399G05

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G02
Fan Cover	128D6810AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

