



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

February 15, 2021

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

Model Number:	5KS444SAA114D11
Catalog Number:	M9538
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6H00AH

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:	5KS444SAA114D11	Estimated Weight:	2020 Lbs
Outline Drawing:	239C6H00AH	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	44BD0197B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	444TS	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	95.0 %
Output Power:	125HP 92.5KW	Guaranteed Efficiency:	94.5 %
RPM:	3580	3/4 Load Efficiency:	--
Voltage:	575	KVA Code:	G
Hertz:	60	Max KVAR:	20.5
Amps - FL:	108.0	Power Factor:	91.5
Service Factor:	1.15	Bearing - DE:	6314ZC3
Alt Service Factor:	--	Bearing - ODE:	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

EXCEPTION TO IEEE-STD-841-2009: SOUND POWER 92 DBA
 DE BRG 70BC03JP30, ODE BRG 70BC03JP30
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS444SAA114D11 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 200C AT 1.15SF ON SINE-WAVE PWR
 OR 200C VT OR 200C CT OR ---C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0 - 60 HZ, CT 3 - 60 HZ, CHP -- HZ.



Additional Information:

2P - TS EXTN
PAINTED FRAME ID & SHAFT,
FAN COVER INSIDE & ODE E/S OUTSIDE
C/BOX 700 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: 44BD0197B

Marks:

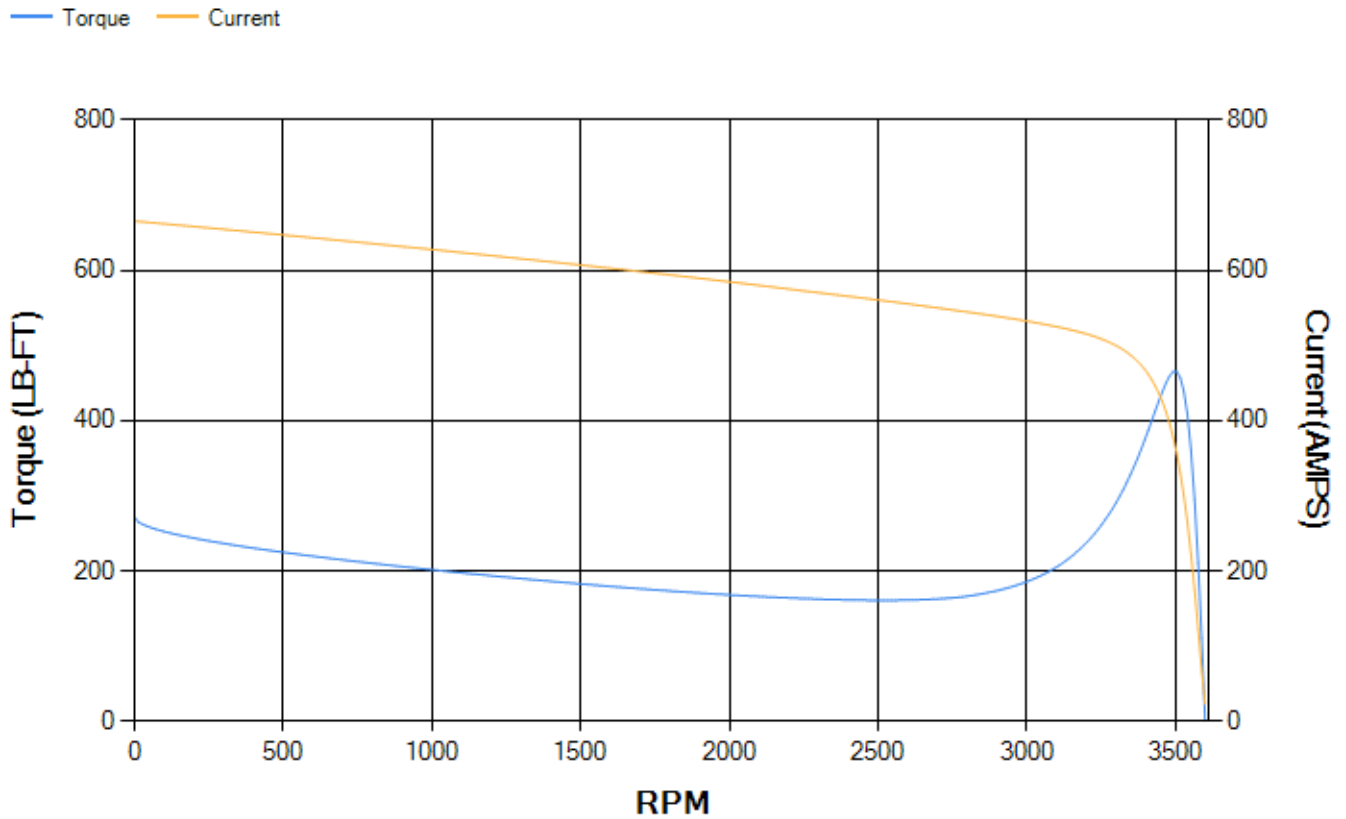
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.75	94.89	95.22	94.94	94.11	90.59	0.00
% PF	90.99	91.22	91.29	90.4	86.69	72.34	9.65
AMPS	135.7	124.36	107.68	81.78	57.36	35.71	22.84

TORQ(FL)#FT	183.41	TORQ(LR)%FL	147.97	TORQ(BD)%FL	254
AMPS(LR)	665.64	PF AT START	0.22		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 566 Lb-Ft Sq (23.83 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 47 seconds. Safe stall time at 100% voltage is 93 seconds cold, 57 seconds hot. Rotor inertia is 31.01 Lb-Ft Sq (1.31 Kg-meter Sq).

Open Circuit A-C:	2.086	Short Circuit D-C:	0.039
Short Circuit A-C:	0.075	X/R Ratio:	14.812
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

SOLID MODEL: 239C6H00AH



THIRD ANGLE PROJECTION

A

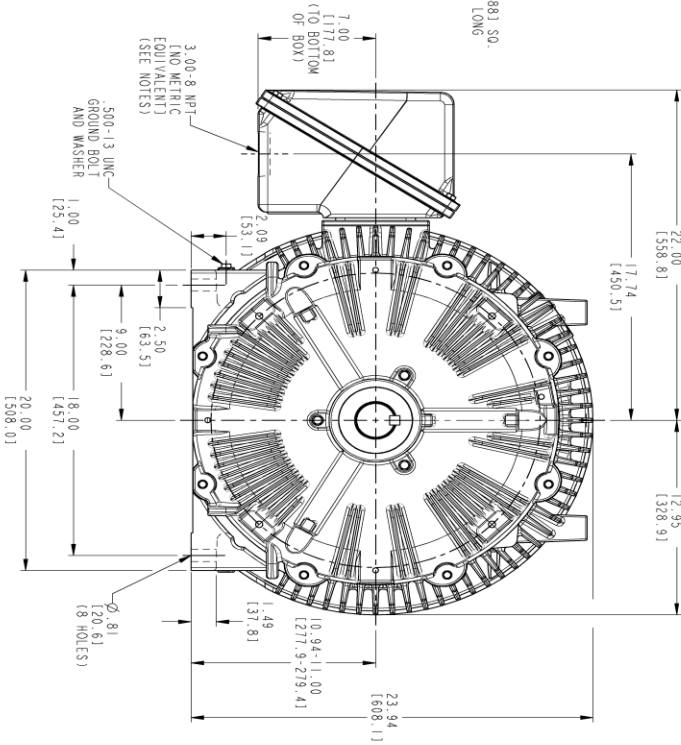
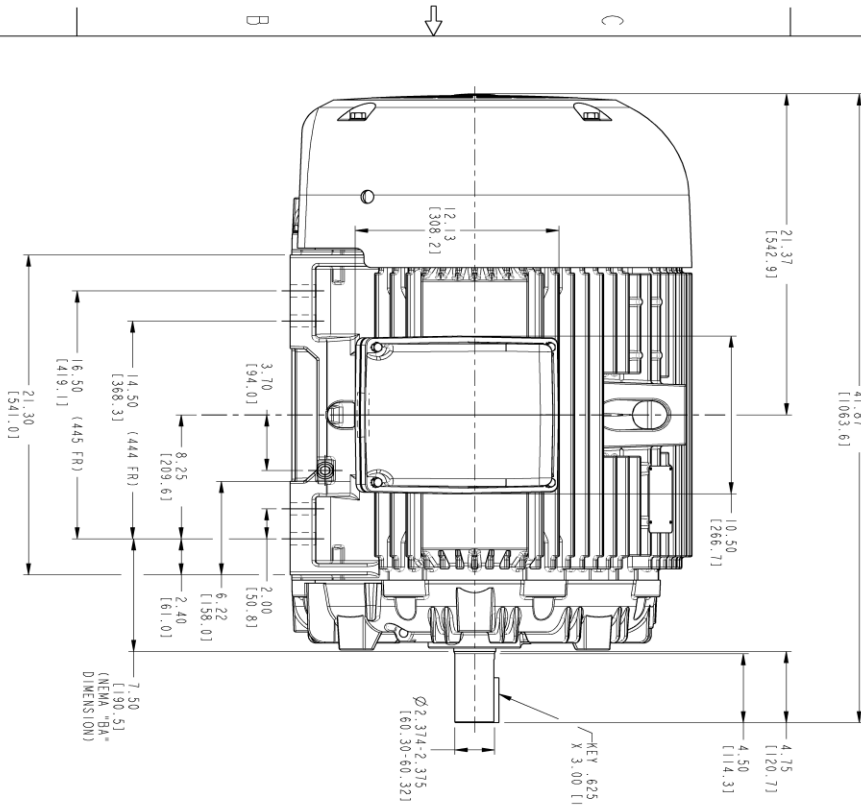
B

C

D

NOTES:

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



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REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES	DATE	DATE	DATE
MODEL: BHARTH 07/18/18	07/18/18	07/18/18	07/18/18
CHECKED: VIJAY 07/18/18	07/18/18	07/18/18	07/18/18
DESIGN: SUDHAR 07/18/18	07/18/18	07/18/18	07/18/18
QUALITY: BHARTH 07/18/18	07/18/18	07/18/18	07/18/18

GE POWER CONVERSION

OUTLINE

444/445TS TEFC

700 CU IN CONDUIT BOX, GROUND PAD

239C6H00AH

SCALE: 0.200

REF: 239C6H00AA

DISTRIBUTION: MMP

SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4354AA1	115E4354LL1
Bearing	235A2516AC01	235A2516AC01
Slinger/Inproseal	149C4399G05	149C4399G05

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100AA1
Fan Cover	128D6841AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

