

Product Information Packet

November 9, 2016

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

Model Number:	5KS364SAA118D11
Catalog Number:	M998
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6200AB

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04
Spare parts	05



Marks:

MODEL NUMBER:	5KS364SAA118D11	Estimated Weight:	970 Lbs
Outline Drawing:	239C6200AB	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	36BD0117A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	65
Frame:	364TS	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	94.5 %
Output Power:	60HP 44.4KW	Guaranteed Efficiency:	94.1
RPM:	3575	3/4 Load Efficiency:	94.6
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	19.3
Amps - FL:	70.3	Power Factor:	84.5
Service Factor:	1.25	Bearing - DE:	6314ZC3
Alt Service Factor:	1.00	Bearing - ODE:	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

SF AMPS 86.3
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS364SAA118D11 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 260C AT 1.25SF 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 3-60 HZ, CHP -- HZ.

Additional Information:

2P - TS EXTN
 346 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 F1 MOUNTING
 TEFC XSD ULTRA STOCK 10/19/2016
 ENGINEERED BY: BALASUBRAMANIANH/BILURP

Performance Characteristics

1st Winding 1st Connection

Design: 36BD0117A

Marks:

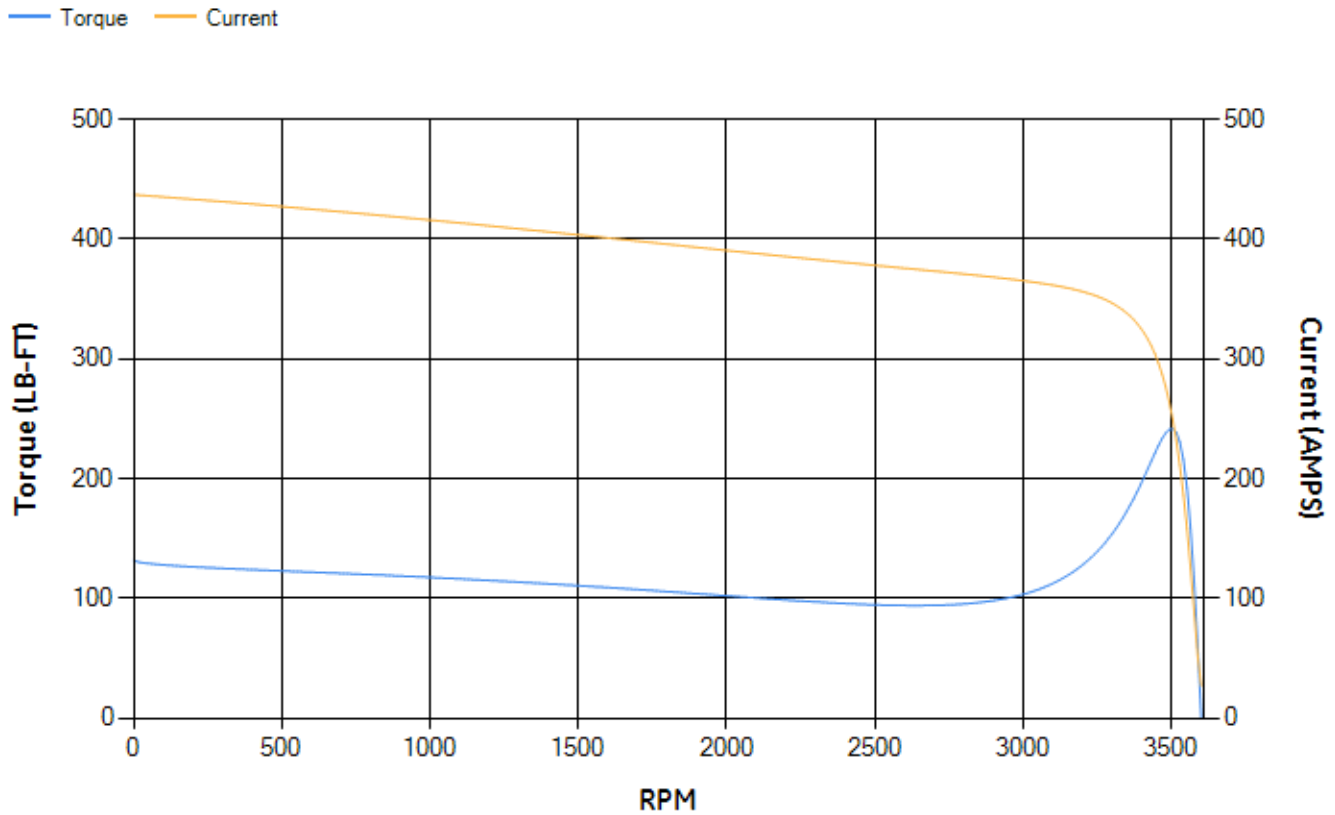
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.24	94.42	94.8	94.6	93.84	90.36	0.00
% PF	86.3	85.82	84.6	80.48	71.02	48.83	4.73
AMPS	86.31	79.7	69.89	55.32	42.13	31.82	26.86

TORQ(FL)#FT	88.11	TORQ(LR)%FL	149.69	TORQ(BD)%FL	273.92
AMPS(LR)	437.05	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 7.03 Lb-Ft Sq (0.3 Kg-meter Sq).

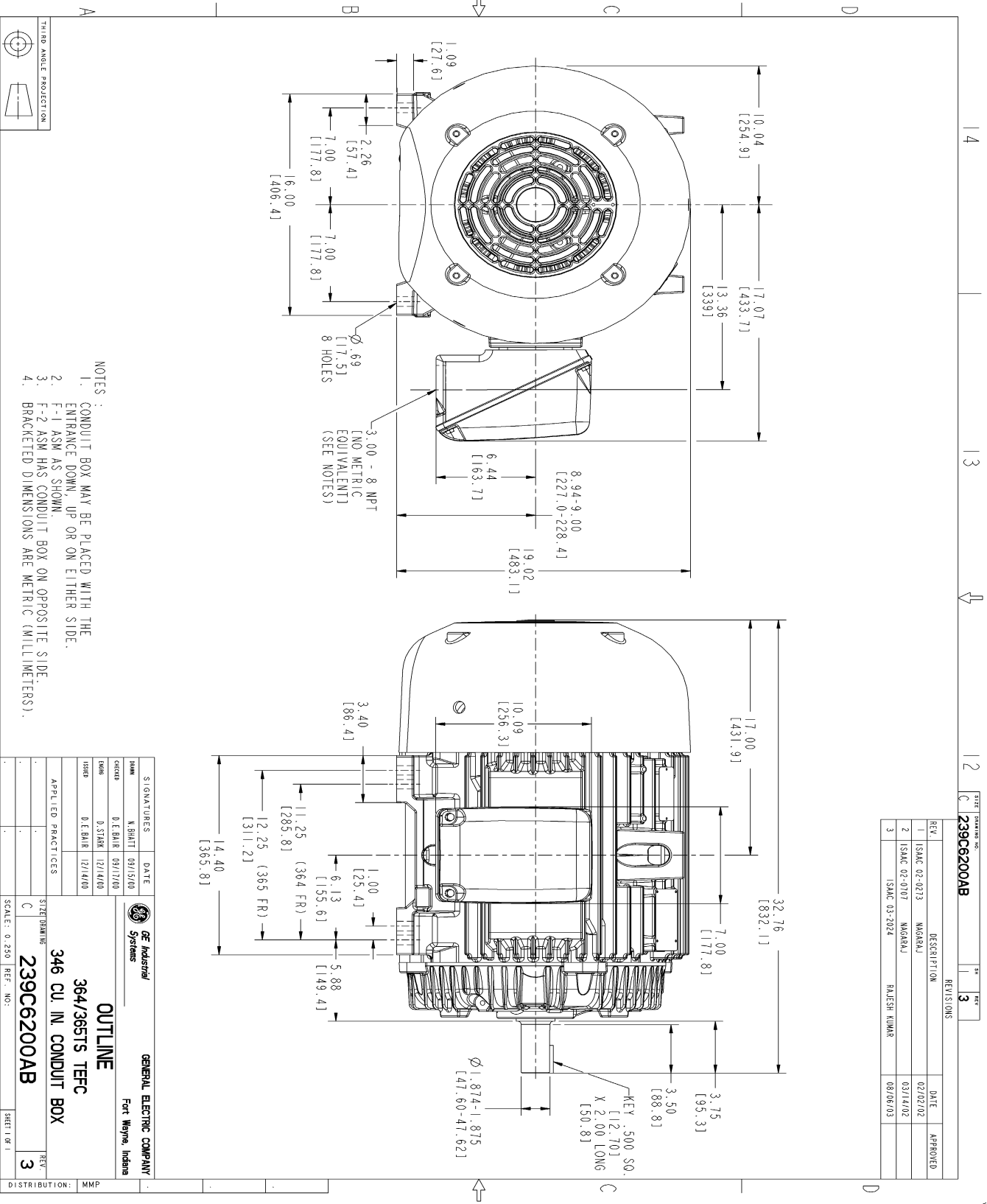
Open Circuit A-C:	0.956	Short Circuit D-C:	0.023
Short Circuit A-C:	0.055	X/R Ratio:	8.805
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)

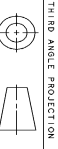


NAME: 103016807 OBJECT: 239C6200AB DATE: 07-Aug-03 23:40:52

Marks:



REV.	DESCRIPTION	DATE	APPROVED
1	ISMAC 02-0213 MAGRAJ	02/02/02	
2	ISMAC 02-0707 MAGRAJ	03/14/02	
3	ISMAC 03-2024 RAJESH KUMAR	08/06/03	



NOTES :

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

SIGNATURES	DATE	GENERAL ELECTRIC COMPANY
DESIGNED BY: K. BHATT	09/15/00	 OUTLINE 364/365TS TFFC 346 CU. IN. CONDUIT BOX 239C6200AB
DRAWN BY: D. STARK	12/14/00	
APPLIED PRACTICES		
SCALE: 0.250	REF. NO:	
SHEET NO: 3		

DISTRIBUTION: MMP

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4250AA1	115E4250LK1
Bearing	235A2616AA01	235A2616AA01
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	