

Product Information Packet

November 9, 2016

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

Model Number:	5KFS111XAA217
Catalog Number:	N414
Instruction Manual:	GEI-M1036
Connection Diagram:	GEM2034E-FIG116
Outline Drawing:	240C1150AA

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:	5KFS111XAA217	Estimated Weight:	35 Kg
Outline Drawing:	240C1150AA	Duty:	S1
Connection Diagram:	GEM2034E-FIG116	Enclosure:	TEFC
Connection:	DELTA	Encl Construction:	841
Instruction Book:	GEI-M1036	Cooling(IC):	411
Design Code:	18RD1001H	Protection (IP):	55
Type:	KFS	Ambient Max (°C):	40
Frame:	112S	Alt Ambient Max (°C):	--
Mounting(IM):	B3	Ambient Min (°C):	-40
Phases:	3	Insulation Class:	H
Poles:	4	IEC Design:	N
Output Power:	2.2 KW	Nominal Efficiency:	IE3-87.5 %
RPM:	1465	Guaranteed Efficiency:	85.6
Voltage:	400	Max KVAR:	1.4
Hertz:	50	Power Factor:	77.5
Amps - FL:	4.7	Bearing - DE:	6206ZC3
Service Factor:	1.00	Bearing - ODE:	6206ZC3
Alt Service Factor:	--	Vibration:	1.4 mm/s

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

DE BRG 30BC02XP3 ODE BRG 30BC02XP3
 STAMP ON NP249A5499AH AS FOLLOWS
 EX NA IIC T3 GC IECEX CSA.09.0012
 -40 DEG C <= TAMB <= +40 DEG C SIRA 11ATEX4118
 MODEL: 5KFS111XAA217 S/N:
 CLASS I, ZONE 2, AEX NA IIC T3

Additional Information:

4P - 28MM DIA X 60MM LONG EXTN - WYE START DELTA RUN
 FOOT MOUNTED; TOP MOUNTED CONDUIT BOX
 55 CONDUIT BOX - GLAND PLATE (2) M32X1.5 - M6 TERM BLOCK
 SPL PAINTED SURFACES: FRAME ID, SHAFT, INSIDE OF
 FAN COVER, AND ODE/SHLD TO PREVENT CORROSION
 ROUTINE AND 5 POINT VIBRATION TESTS INCL IN C/BOX
 GROUND SCREWS ON FRAME
 SHAFT RUNOUT LIMIT .025 MM TIR
 OIL RESISTANT SLEEVING ON LEADS

Performance Characteristics

1st Winding 1st Connection

Design: 18RD1001H

Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	87.86	88.42	89.31	89.69	88.96	83.94	0.00
% PF	80.8	79.73	78.93	70.95	58.85	37.46	5.92
AMPS	5.59	5.18	4.51	3.74	3.03	2.52	2.18

TORQ(FL)N-m 14.34
AMPS(LR) 29.36

TORQ(LR)%FL 237.45
PF AT START 0.55

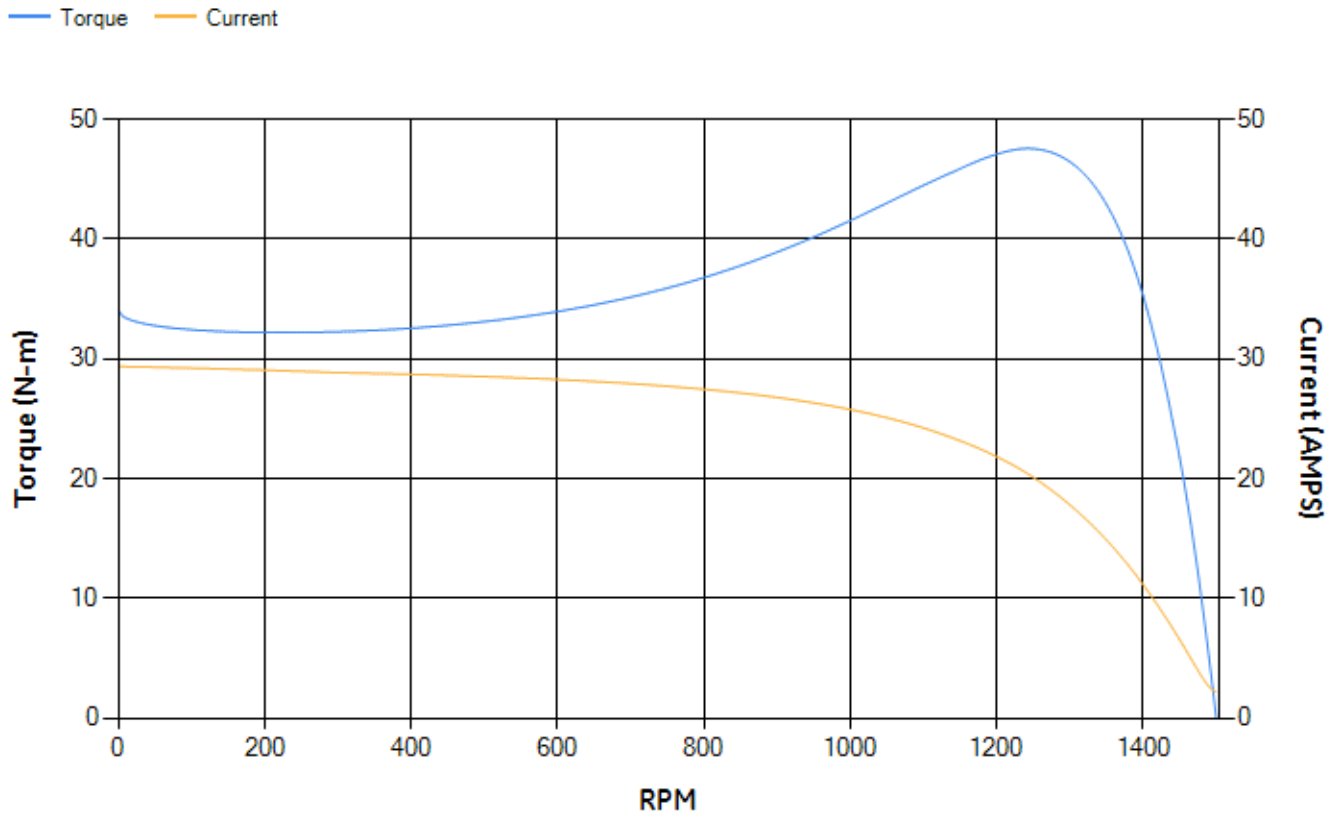
TORQ(BD)%FL 328.3

This motor is capable of two cold or one hot start with a maximum connected load inertia of 8.59 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 42 seconds. Safe stall time at 100% voltage is 92 seconds cold, 68 seconds hot. Rotor inertia is 0.01 Kg-meter Sq.

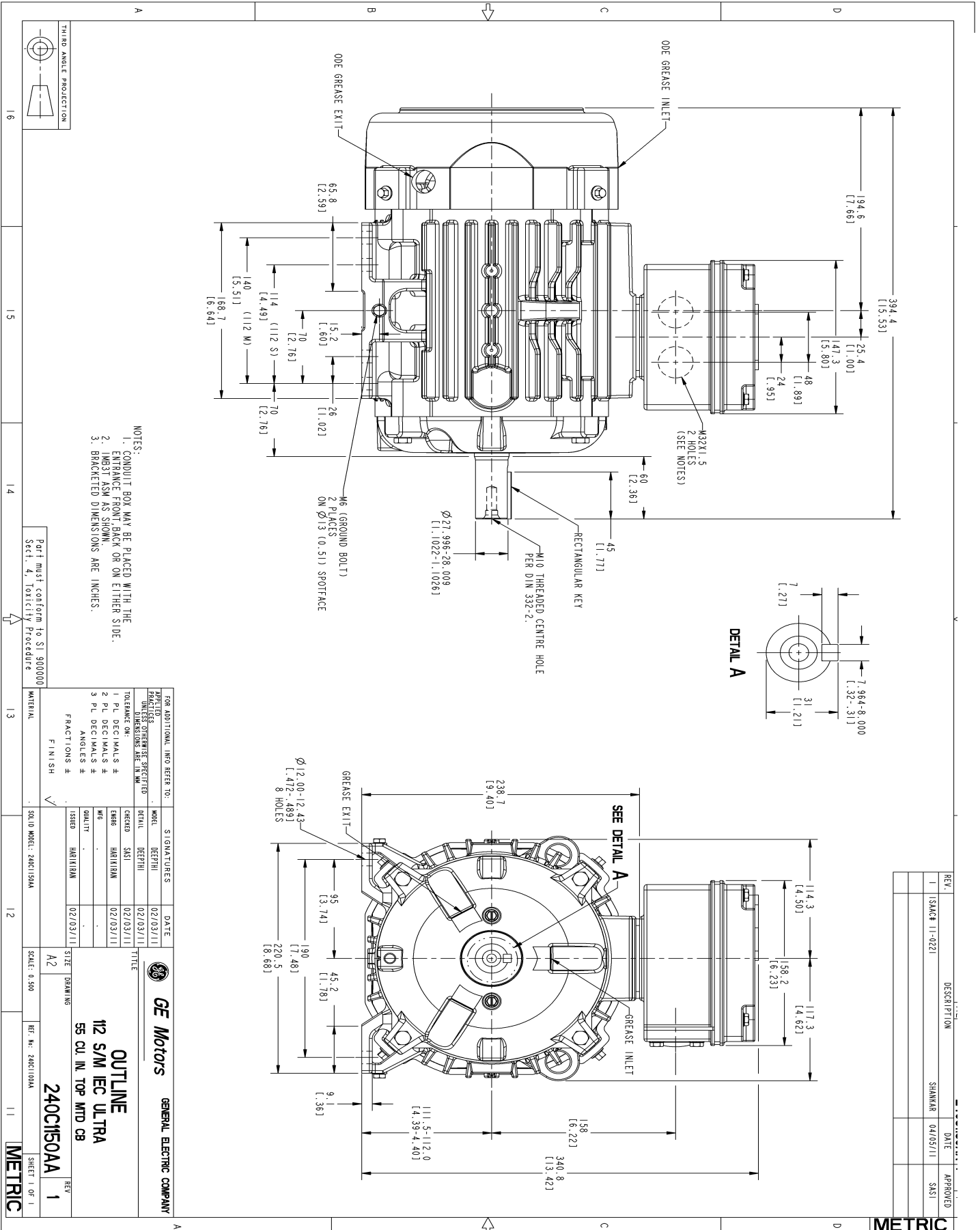
Open Circuit A-C: 0.251
Short Circuit A-C: 0.014
Stator Slots: 36

Short Circuit D-C: 0.009
X/R Ratio: 2.711
Rotor Slots: 28

Speed Torque Current Curve (First Connection, First Speed)



Marks:



- NOTES:
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE FRONT BACK OR ON EITHER SIDE.
 2. INLET ASM AS SHOWN.
 3. BRACKETED DIMENSIONS ARE INCHES.

Part must conform to SI 900000
Sect. 4, Toxicity Procedure

REV.	DESCRIPTION	DATE	APPROVED
1	ISAC# 11-0221	SHANKAR 04/05/11	SASI

FOR ADDITIONAL INFO REFER TO:		SIGNATURES		DATE	
APPROVED	DETAIL	MODEL DEPTH	02/03/11		
CHECKED	DETAIL	DATE	02/03/11		
DESIGNED	DETAIL				
DRAWN	DETAIL				
ISSUED	DETAIL				
DATE	DETAIL				

TOLERANCE ON:	FINISH
1 PL DECIMALS ±	
2 PL DECIMALS ±	
3 PL DECIMALS ±	
ANGLES ±	

SIZE	DRAWING	REV
A2		1

GE Motors GENERAL ELECTRIC COMPANY

OUTLINE
112 S/M IEC ULTRA
55 CU IN TOP MTD CB

240C1150AA

SCALE: 0.500 REF: No. 240C108AA

SHEET 1 OF 1

METRIC

Marks:

Connection Diagram
GEM2034E-FIG116

