

Product Information Packet

November 9, 2016

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

Model Number:	5KFS203XAA207
Catalog Number:	N448
Instruction Manual:	GEI-M1036
Connection Diagram:	GEM2034E-FIG116
Outline Drawing:	240C1550AA

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:	5KFS203XAA207	Estimated Weight:	354 Kg
Outline Drawing:	240C1550AA	Duty:	S1
Connection Diagram:	GEM2034E-FIG116	Enclosure:	TEFC
Connection:	DELTA	Encl Construction:	841
Instruction Book:	GEI-M1036	Cooling(IC):	411
Design Code:	32RD1005H	Protection (IP):	55
Type:	KFS	Ambient Max (°C):	40
Frame:	200L	Alt Ambient Max (°C):	--
Mounting(IM):	B3T	Ambient Min (°C):	-40
Phases:	3	Insulation Class:	H
Poles:	4	IEC Design:	N
Output Power:	37 KW	Nominal Efficiency:	94.0 %
RPM:	1485	Guaranteed Efficiency:	93.1
Voltage:	400	Max KVAR:	21.7
Hertz:	50	Power Factor:	78.5
Amps - FL:	72.4	Bearing - DE:	6312ZC3
Service Factor:	1.00	Bearing - ODE:	6312ZC3
Alt Service Factor:	--	Vibration:	1.4 mm/s

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

GREASE: EXXON POLYREX EM
 DE BRG 60BC03JP3, ODE BRG 60BC03JP3
 OVER TEMP PROT 2
 OP TEMP CODE T3
 STAMP ON NP249A5499AH AS FOLLOWS:
 EX NA IIC T3 GC IECEX CSA.09.0012
 -40 DEG C <= TAMB <= +40 DEG C SIRA 11ATEX4118
 MODEL: 5KFS203XAA207 S/N:
 CLASS I, ZONE 2, AEX NA IIC T3

Additional Information:

4P - 55 MM DIA X 110 MM LONG EXTN - WYE START DELTA RUN
 PAINTED FRAME ID & SHAFT
 FAN COVER INSIDE & ODE E/S OUTSIDE
 346 CONDUIT BOX - GLAND PLATE (2) M50X1.5 - M8 TERM BLOCK
 - AUX TERM BLOCK -
 OIL RESISTANT SLEEVING ON LEADS
 ROUTINE TEST REPORT AND 5 POINT VIBRATION TEST
 REPORT INCLUDED IN C/B
 CLASS I DIVISION 2 GROUP A,B,C,D.TEMP CODE T3
 TOP MOUNTED CONDUIT BOX
 SIEMENS THERMISTOR LDS TO C-BOX
 GROUND SCREWS ON FRAME
 CE MARK MOTOR

Performance Characteristics

1st Winding 1st Connection

Design: 32RD1005H

Marks:

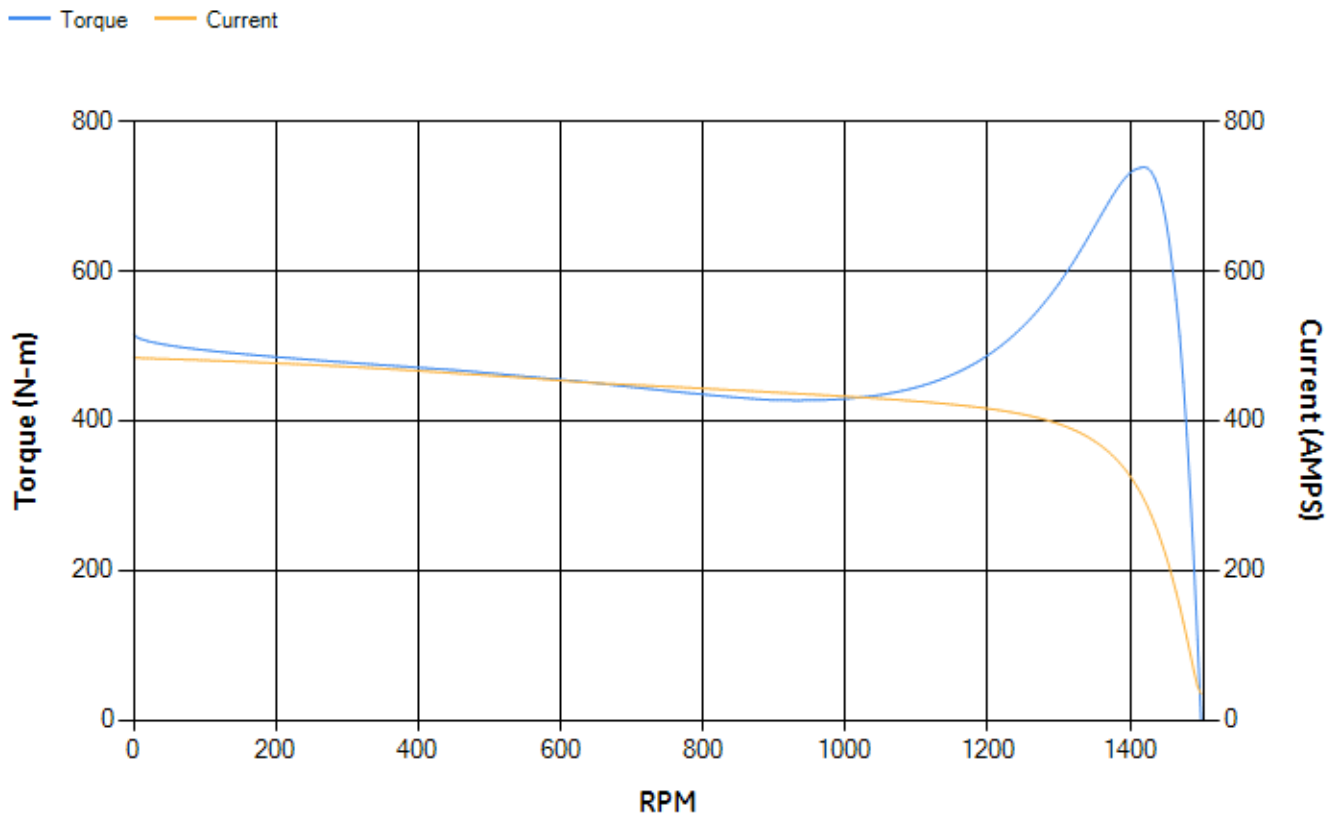
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.65	94.84	95.27	95.2	94.71	91.94	0.00
% PF	81.56	80.53	78.34	72.08	60.05	37.64	2.76
AMPS	86.48	80.41	71.43	58.37	46.95	38.58	34.75

TORQ(FL)N-m	237.95	TORQ(LR)%FL	216.98	TORQ(BD)%FL	309.3
AMPS(LR)	483.88	PF AT START	0.34		

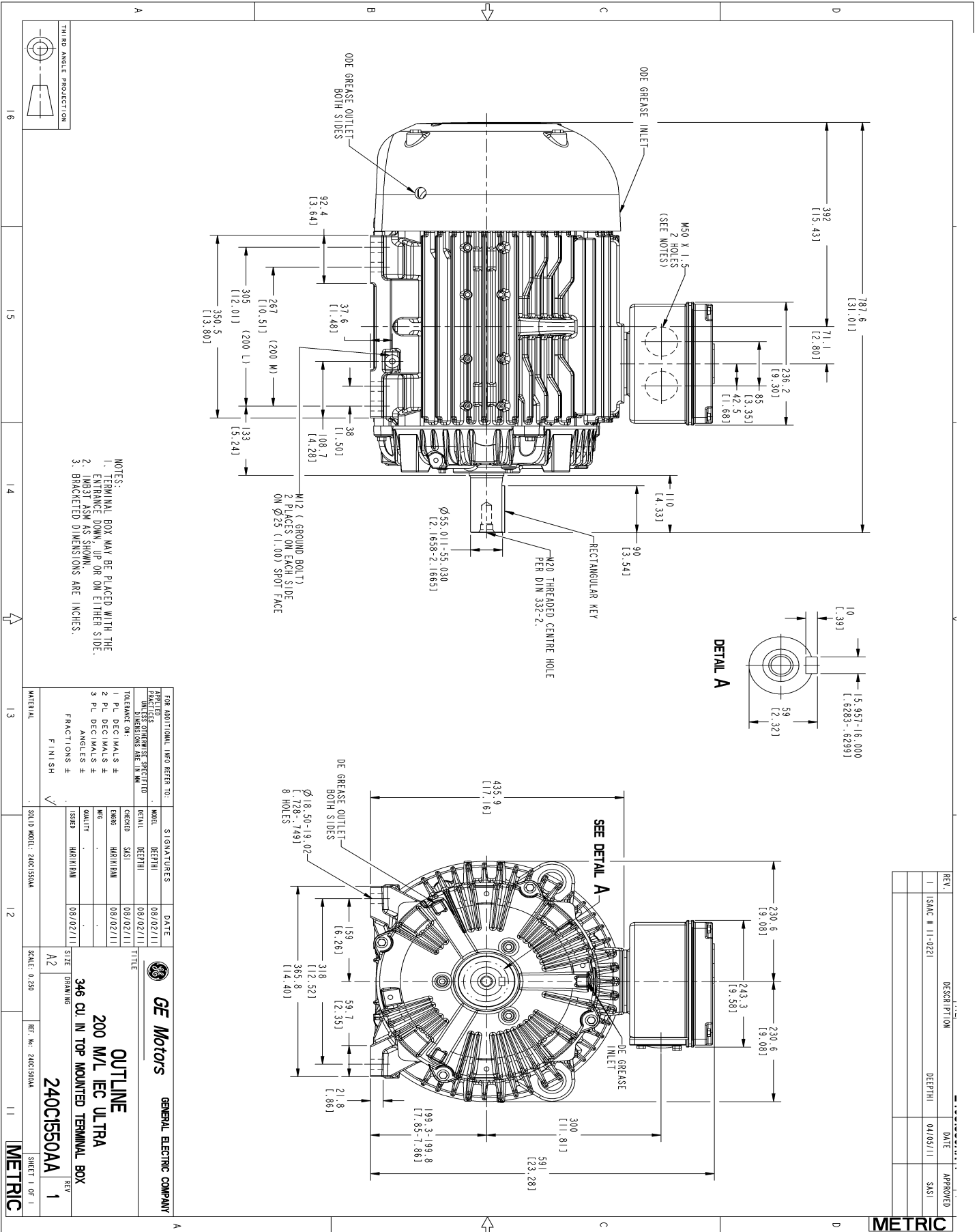
This motor is capable of two cold or one hot start with a maximum connected load inertia of 119.14 Kg-meter Sqat 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 46 seconds. Safe stall time at 100% voltage is 92 seconds cold, 55 seconds hot. Rotor inertia is 0.48 Kg-meter Sq.

Open Circuit A-C:	0.564	Short Circuit D-C:	0.027
Short Circuit A-C:	0.033	X/R Ratio:	8.507
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:



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

METRIC

FOR ADDITIONAL INFO REFER TO:		SIGNATURES		DATE	
TERMINAL FACILITIES	DETAIL	MODEL	DEPTH	08/02/11	
UNLESS OTHERWISE SPECIFIED				08/02/11	
TOLERANCE ON: <td></td> <td>CHECKED</td> <td>SASI</td> <td>08/02/11</td> <td></td>		CHECKED	SASI	08/02/11	
1. PL DECIMALS #		ENG	HARTMAN	08/02/11	
2. PL DECIMALS #		DES	HARTMAN		
3. PL DECIMALS #		QUALITY			
4. ANGLES #		ISSUED	HARTMAN	08/02/11	
FRACTIONS #		SIZE	A2		
FINISH		DRAWING			

GE Motors GENERAL ELECTRIC COMPANY

OUTLINE
200 M/L IEC ULTRA
346 CU IN TOP MOUNTED TERMINAL BOX
240C1550AA

SCALE: 0.250 REF. No. 240C1550AA SHEET 1 OF 1

METRIC

Marks:

Connection Diagram
GEM2034E-FIG116

