

Product Information Packet

November 9, 2016

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

Model Number:	5KS364XAA187D2
Catalog Number:	M9529
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6205CN

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:	5KS364XAA187D2	Estimated Weight:	970 Lbs
Outline Drawing:	239C6205CN	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	36BD0117A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	364TSC	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:	1.15	Bearing - DE:	6314ZZC3
Alt Service Factor:	--	Bearing - ODE:	6314ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
 DE BRG 70BC03JPP3, ODE BRG 70BC03JPP3
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS364XAA187D2 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 -25C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
 SURF TEMP 215C AT 1.15SF ON SINE-WAVE PWR
 OR 200 C VT OR 230 C 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 FACE ON DE
 346 CU IN - 3.00" NPT
 INPRO SEAL BOTH ENDS
 OIL RESISTANT SLEEVING ON LEADS
 .0015" TIR SHAFT RUNOUT
 ROUTINE TEST REPORT AND 5 POINT VIBRATION TEST
 REPORT INCLUDED IN C/B
 COPPER WASHER UNDER HEADS OF BEARING CAP BOLTS,
 APPLY TITE-SEAL (A50CD427A) ON BEARING CAP SCREWS,
 RABBETS AND PLUG THREADS.
 ROUND FRAME

GROUND PAD
VERTICAL MOUNT SHAFT DOWN WITH DRIP COVER

Performance Characteristics

1st Winding 1st Connection

Design: 36BD0117A

Marks:

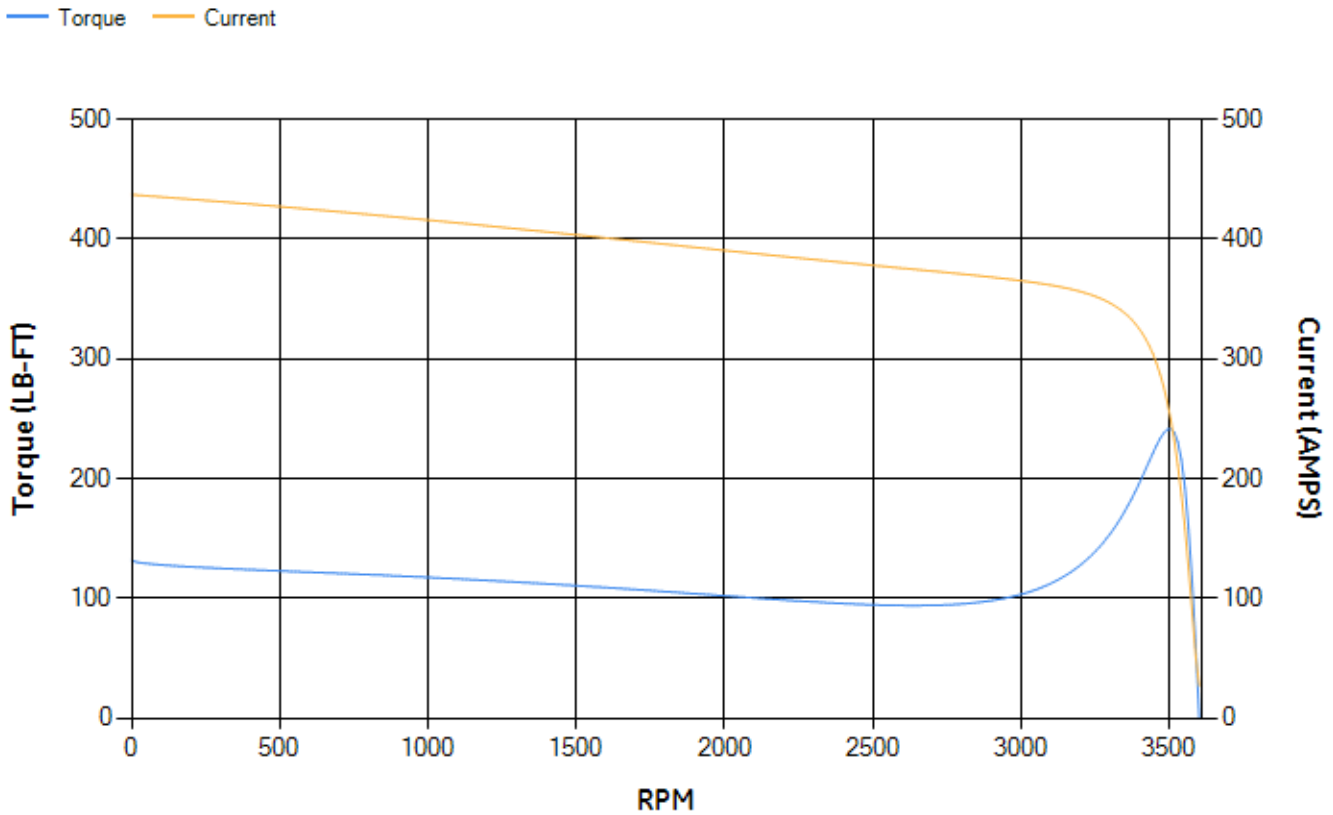
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.24	94.42	94.8	94.6	93.84	90.36	0.00
% PF	86.3	85.82	84.6	80.48	71.02	48.83	4.73
AMPS	86.31	79.7	69.89	55.32	42.13	31.82	26.86

TORQ(FL)#FT	88.11	TORQ(LR)%FL	149.69	TORQ(BD)%FL	273.92
AMPS(LR)	437.05	PF AT START	0.3		

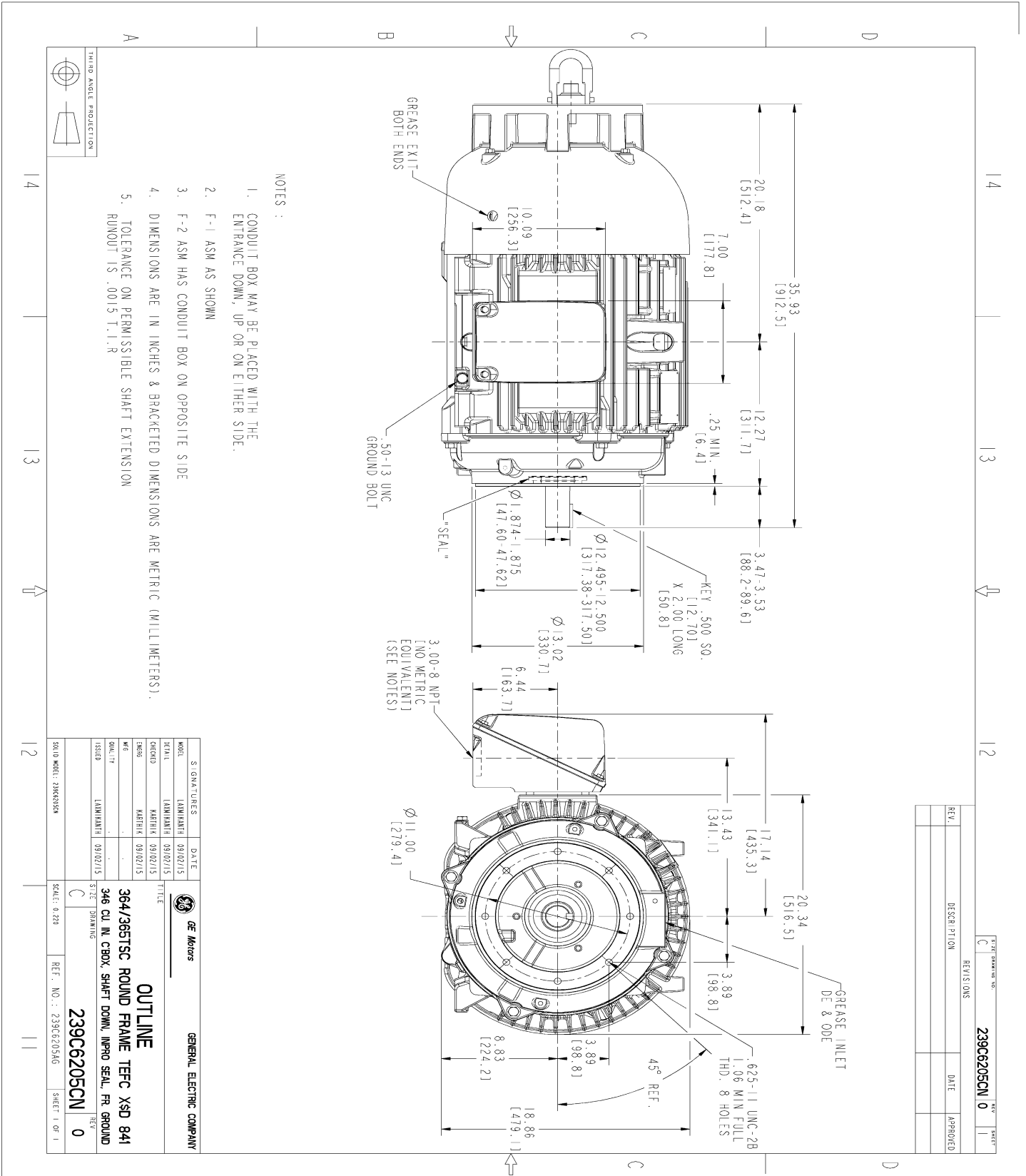
This motor is capable of two cold or one hot start with a maximum connected load inertia of 159 Lb-Ft Sq (6.69 Kg-meter Sq) at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 22 seconds. Safe stall time at 100% 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)



Marks:



NOTES :

1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN
3. F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE
4. DIMENSIONS ARE IN INCHES & BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).
5. TOLERANCE ON PERMISSIBLE SHAFT EXTENSION RUNOUT IS .0015 T.I.R

REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES		DATE	
MODEL	LAN/HA/TH	09/02/15	
SCALE	LAN/HA/TH	09/02/15	
DESIGN	MA/TH/IK	09/02/15	
QUALITY	LAN/HA/TH	09/02/15	
ISSUED	LAN/HA/TH	09/02/15	
TITLE			
364/365TSC ROUND FRAME TEFC XSD 841			
346 CU IN. CBOX SHAFT DOWN, INPRO SEAL, RR GROUND			
SIZE	DRAWING	REV	
C		0	
SOLID MODEL: 239C6205X		SCALE: 0.270	REF. NO.: 239C6205K6
			SHEET 1 OF 1

GENERAL ELECTRIC COMPANY

OUTLINE

239C6205CN

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4253AG1	115E4250LW1
Bearing	235A2516AF01	235A2516AF01
Slinger/Inproseal	235A4575GS3	235A4575GS3

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G02
Fan Cover	128D6811AB1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	