



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

June 25, 2020

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

Model Number:	5KS365XAA100
Catalog Number:	M9001
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6201GR

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:	5KS365XAA100	Estimated Weight:	1030 Lbs
Outline Drawing:	239C6201GR	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	36BD0118A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	365TSC	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	94.5 %
Output Power:	75HP 55.5KW	Guaranteed Efficiency:	94.1 %
RPM:	3575	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	20.9
Amps - FL:	85.9	Power Factor:	86.5
Service Factor:	1.15	Bearing - DE:	6314ZC3
Alt Service Factor:	--	Bearing - ODE:	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
 DE BRG 70BC03JP30, ODE BRG 70BC03JP30
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS365XAA100 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 200C VT OR 230C CT OR ---C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0 - 60 HZ, CT 15 - 60 HZ, CHP --- HZ.



Additional Information:

2P - TS EXTN
PAINTED FRAME ID & SHAFT,
FAN COVER INSIDE & ODE E/S OUTSIDE
C FACE WITH 12.50 RABBIT ON DE
C/BOX 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.
GROUND PAD
F1 MOUNTING



Performance Characteristics

1st Winding 1st Connection

Design: 36BD0118A

Marks:

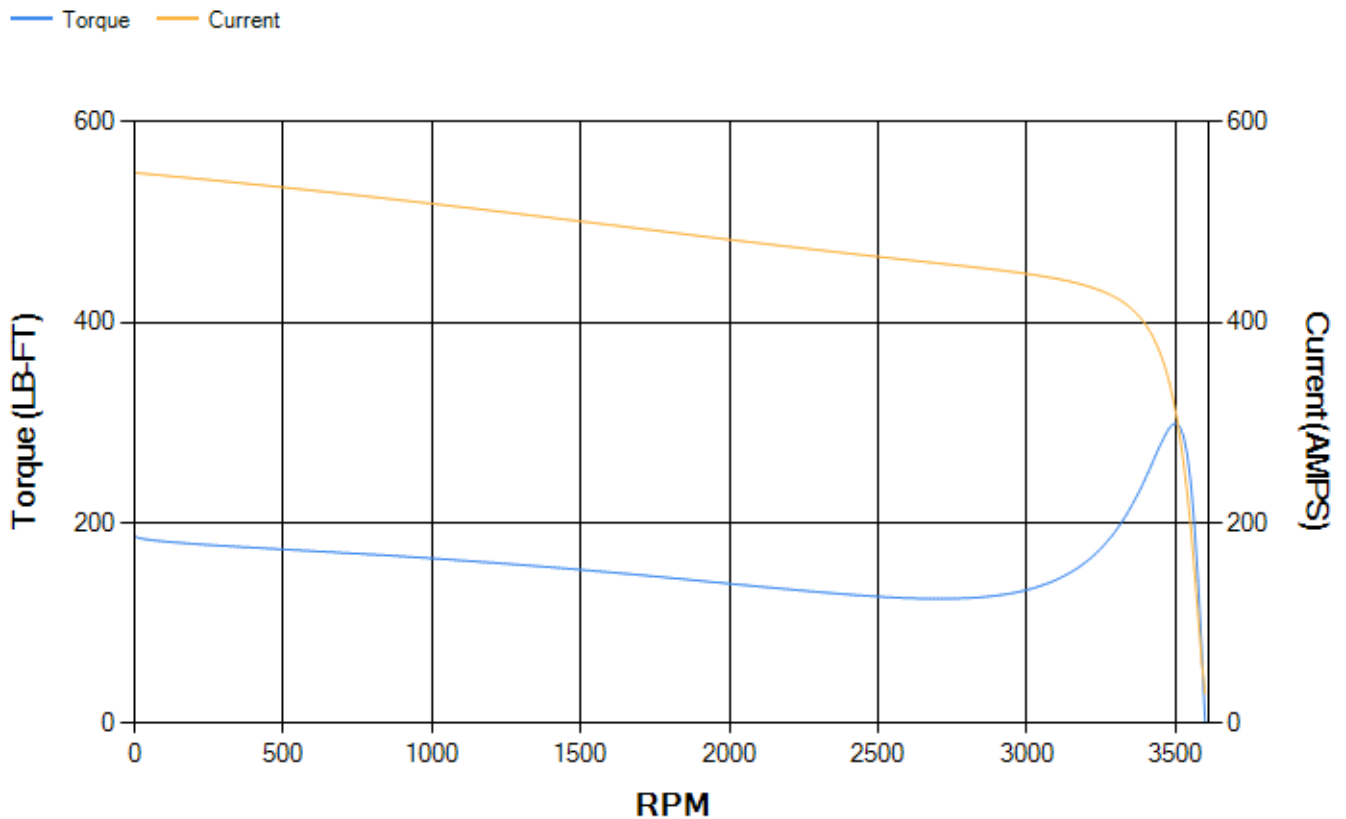
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.47	94.68	95.12	95.06	94.56	91.72	0.00
% PF	87.86	87.55	86.65	83.31	75.02	53.41	4.51
AMPS	105.71	97.39	85.02	66.47	49.48	35.82	29.15

TORQ(FL)#FT	110.18	TORQ(LR)%FL	169.64	TORQ(BD)%FL	271.45
AMPS(LR)	549.53	PF AT START	0.33		

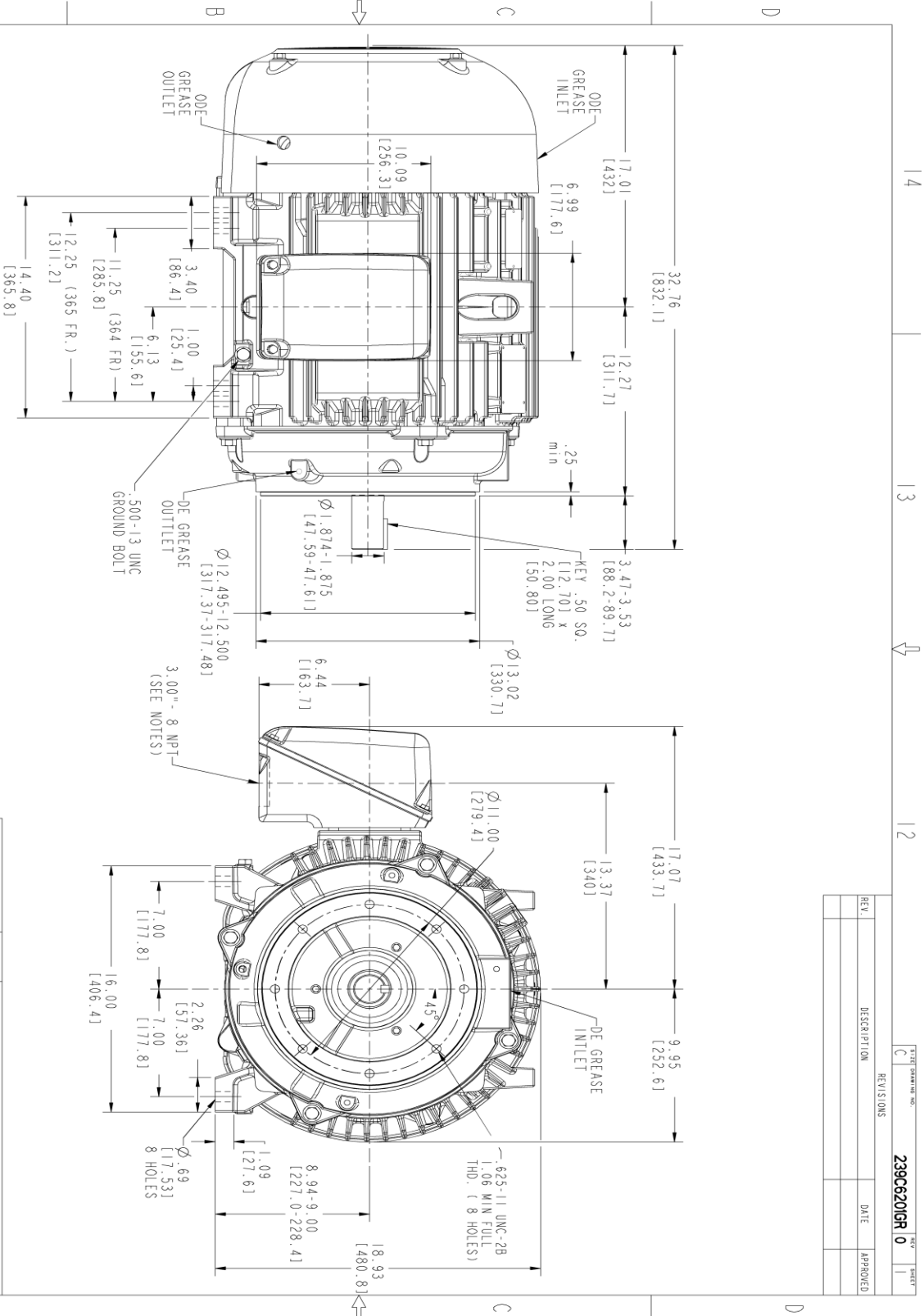
This motor is capable of two cold or one hot start with a maximum connected load inertia of 168 Lb-Ft Sq (7.07 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 17 seconds. Safe stall time at 100% voltage is 40 seconds cold, 20 seconds hot. Rotor inertia is 8.98 Lb-Ft Sq (0.38 Kg-meter Sq).

Open Circuit A-C:	1.034	Short Circuit D-C:	0.022
Short Circuit A-C:	0.05	X/R Ratio:	8.401
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. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).
 5. TOLERANCE ON PERMISSIBLE SHAFT EXTENSION RUNOUT IS .0015 T.I.R

TITLE		DRAWING NO.	
C		239C6201GR 0	
REV.	DESCRIPTION	DATE	APPROVED



THIRD ANGLE PROJECTION

SIGNATURES	DATE	<p>GENERAL ELECTRIC COMPANY</p> <p>OUTLINE</p> <p>364/365 TSC TERC XSD 841</p> <p>346 CU IN CONDUIT BOX, GROUND PAD</p> <p>239C6201GR</p>
MODEL	PRASIMA 087212015	
DETAIL	PRASIMA 087212015	
CHECKED	MARTIN 087212015	
DESIGN	PRASIMA 087212015	
DATE		TITLE
QUALITY		
ISSUED	PRASIMA 087212015	
SCALE: 0:100	REF. NO. 239C6200DD	SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4253AA1	115E4250LK1
Bearing	235A2516AC01	235A2516AC01
Slinger/Inproseal	235A4575GS3	235A4575GS3

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	

