

Product Information Packet

November 8, 2016

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

Model Number:	5KS365XAA204D9
Catalog Number:	M9596
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6200RC

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:	5KS365XAA204D9	Estimated Weight:	1020 Lbs
Outline Drawing:	239C6200RC	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	36BD1227B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	365T	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	95.4 %
Output Power:	75HP 55.5KW	Guaranteed Efficiency:	95.0
RPM:	1785	3/4 Load Efficiency:	95.6
Voltage:	575	KVA Code:	G
Hertz:	60	Max KVAR:	26.2
Amps - FL:	71.4	Power Factor:	82.5
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:5KS365XAA204D9 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 260C AT 1.15SF ON SINE-WAVE PWR
 OR 200 C VT OR 230 C CT OR 200 C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0-60 HZ, CT 10-60 HZ, CHP 60-90 HZ.

Additional Information:

4P - T EXTN
 PAINTED FRAME ID & SHAFT,
 FAN COVER INSIDE & ODE E/S OUTSIDE
 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: 36BD1227B

Marks:

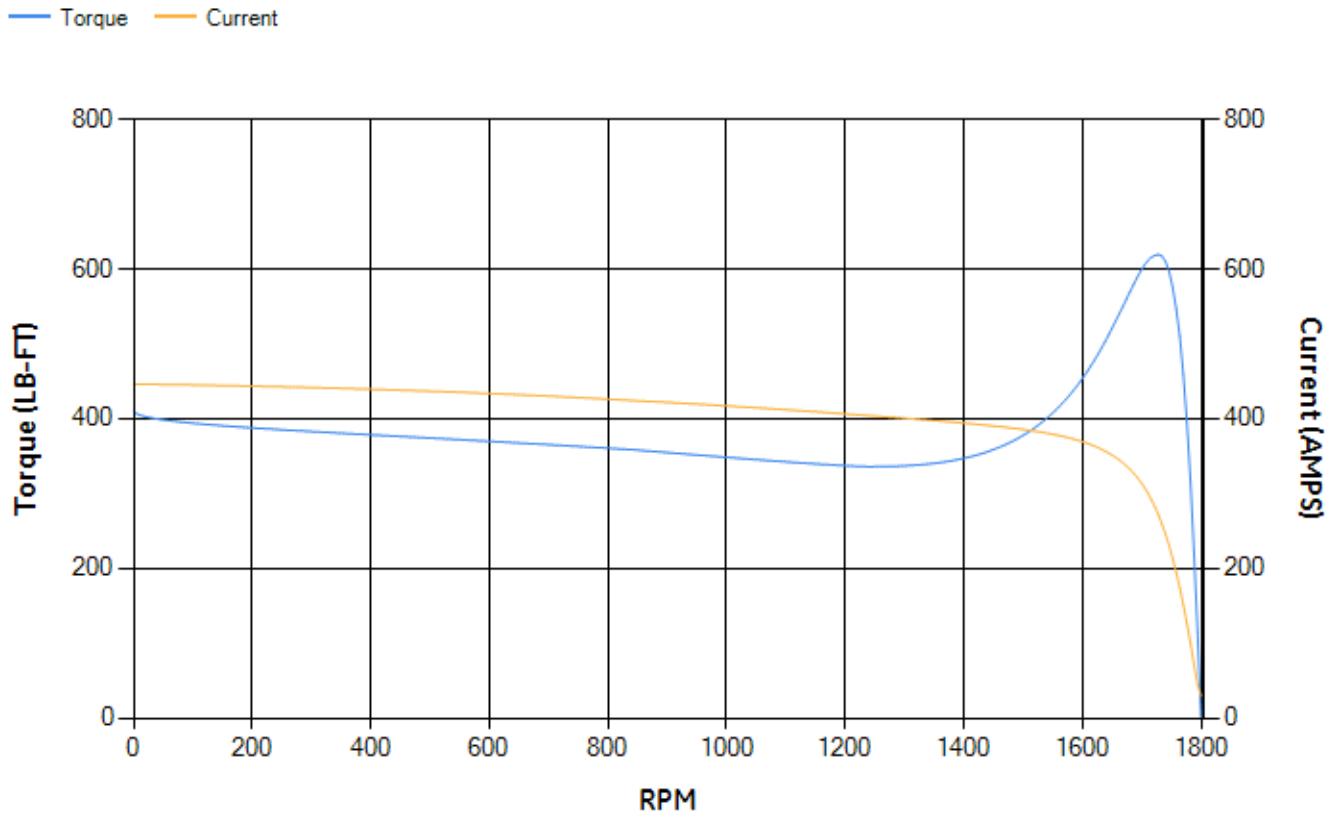
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.87	95.09	95.55	95.57	95.23	92.9	0.00
% PF	84.71	84.08	82.58	77.81	67.4	44.61	2.94
AMPS	87.34	80.78	71.02	56.64	43.74	33.87	29.28

TORQ(FL)#FT	220.88	TORQ(LR)%FL	185.78	TORQ(BD)%FL	279.54
AMPS(LR)	446.19	PF AT START	0.32		

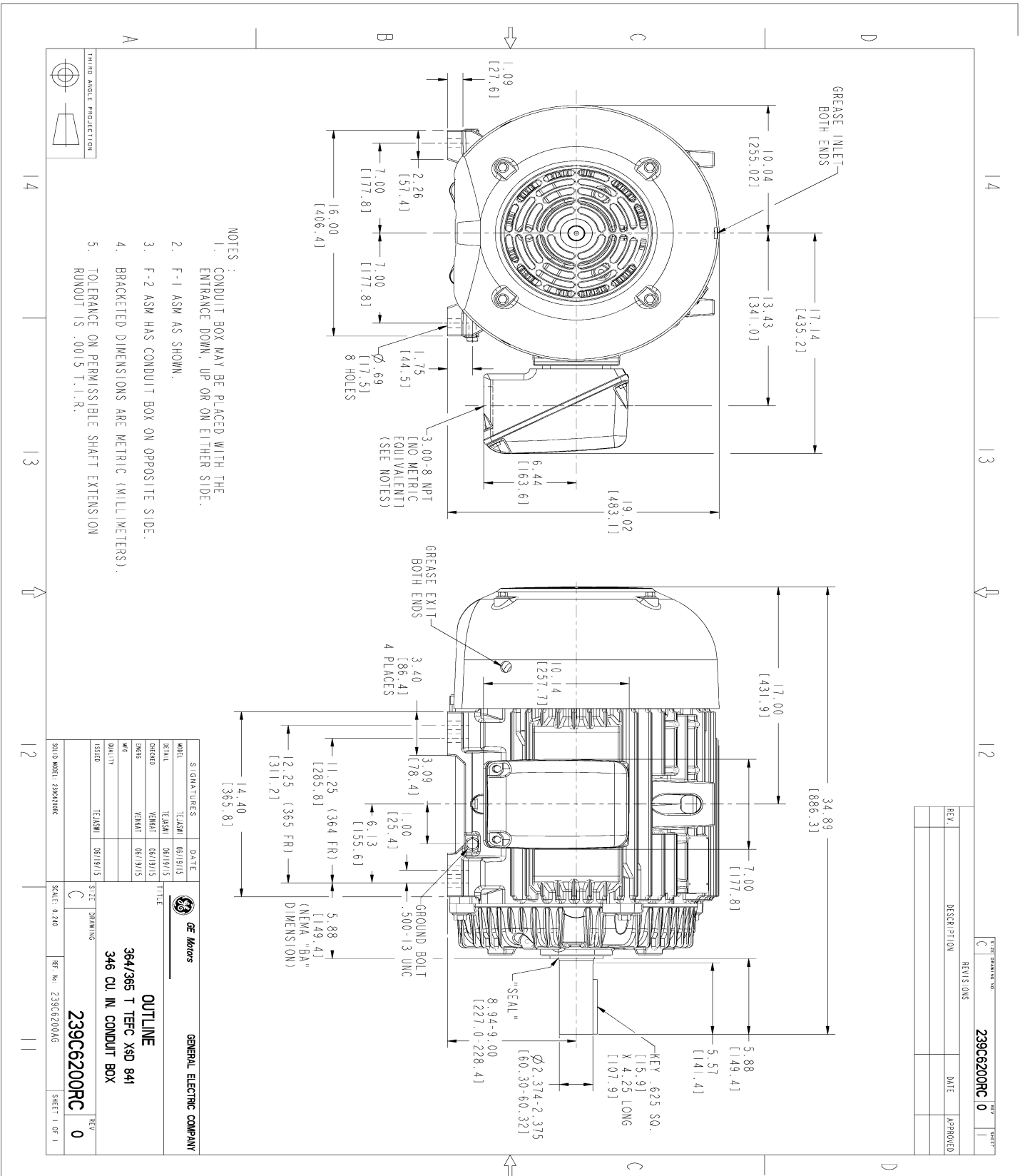
This motor is capable of two cold or one hot start with a maximum connected load inertia of 1431 Lb-Ft Sq (60.25 Kg-meter Sq) at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 27 seconds. Safe stall time at 100% voltage is 65 seconds cold, 33 seconds hot. Rotor inertia is 15.28 Lb-Ft Sq (0.64 Kg-meter Sq).

Open Circuit A-C:	0.629	Short Circuit D-C:	0.026
Short Circuit A-C:	0.034	X/R Ratio:	9.618
Stator Slots:	60	Rotor Slots:	50

Speed Torque Current Curve (First Connection, First Speed)



Marks:



REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES		DATE	
MODEL	TEJSM	06/19/15	
SCALE	TEJSM	06/19/15	
ORDER	VENKI	06/19/15	
DESIGN	VENKI	06/19/15	
DATE			
ISSUED	TEJSM	06/19/15	

GENERAL ELECTRIC COMPANY

OUTLINE

364/365 T TFC XSD 841
346 CU IN. CONDUIT BOX

239C6200RC

SCALE: 0.240 REF. NO: 239C6200AG SHEET 1 OF 1

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	235A4575GS3	235A4575GS3

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100AA1
Fan Cover	128D6810AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	