

Product Information Packet

November 8, 2016

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

Model Number:	5KS324XAA353D
Catalog Number:	M9381
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6001FR

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:	5KS324XAA353D	Estimated Weight:	660 Lbs
Outline Drawing:	239C6001FR	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	32BD3099A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	324TC	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	6	Nominal Efficiency:	93.0 %
Output Power:	25HP 18.5KW	Guaranteed Efficiency:	92.4
RPM:	1180	3/4 Load Efficiency:	93.4
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	10.3
Amps - FL:	32.1	Power Factor:	78.5
Service Factor:	1.15	Bearing - DE:	6312ZC3
Alt Service Factor:	--	Bearing - ODE:	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
 DE BRG 60BC03JP30, ODE BRG 60BC03JP30
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS324XAA353D 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 200C AT 1.15SF ON SINE-WAVE PWR
 OR 200C VT OR 200C CT OR 200C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0-60 HZ, CT 3-60 HZ, CHP 60-90 HZ.

Additional Information:

6P - T 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.
 GROUND PAD

F1 MOUNTING

Performance Characteristics

1st Winding 1st Connection

Design: 32BD3099A

Marks:

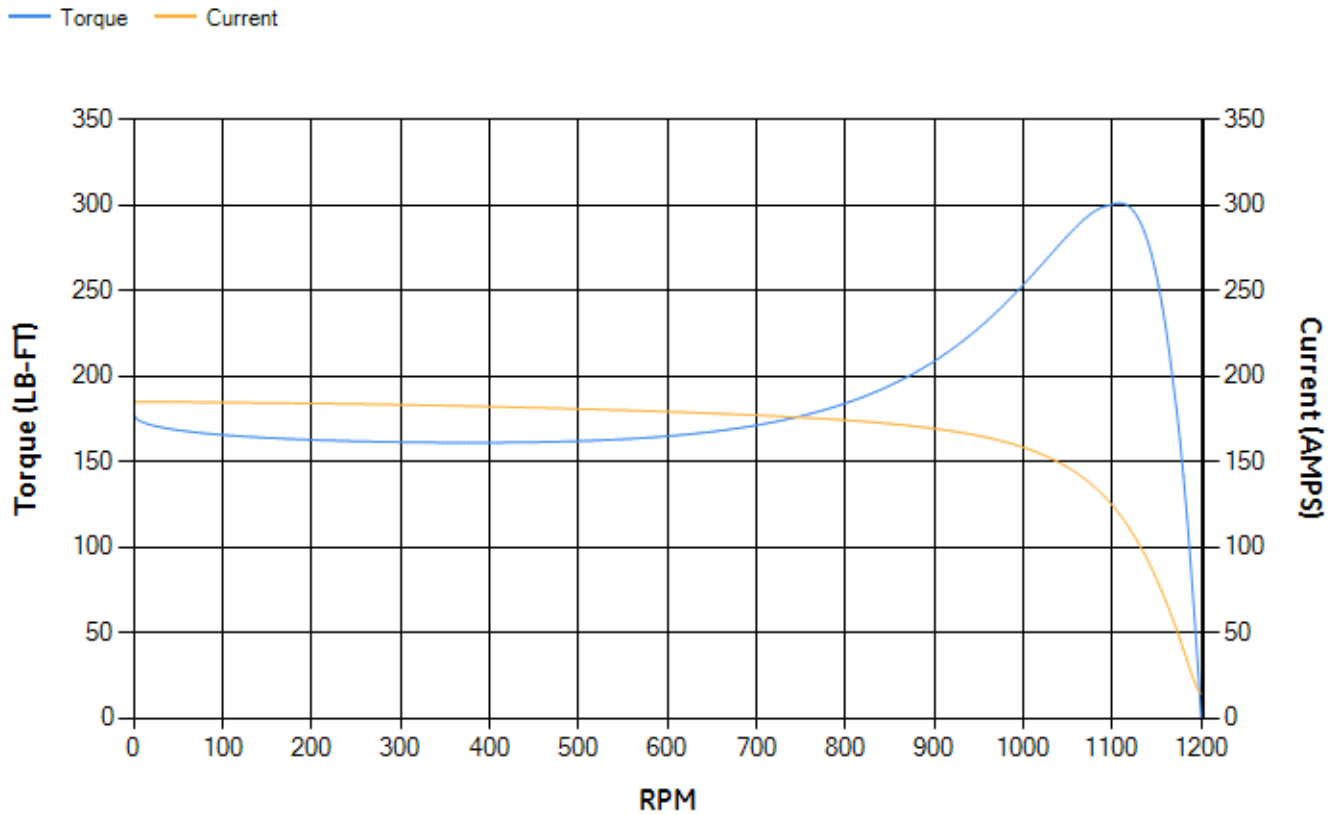
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.2	92.56	93.21	93.38	92.92	89.56	0.00
% PF	81.01	80.31	78.62	73.27	62.24	40.32	4
AMPS	39.16	36.2	31.91	25.65	20.23	16.2	14.31

TORQ(FL)#FT	111.19	TORQ(LR)%FL	159.54	TORQ(BD)%FL	268.47
AMPS(LR)	184.74	PF AT START	0.33		

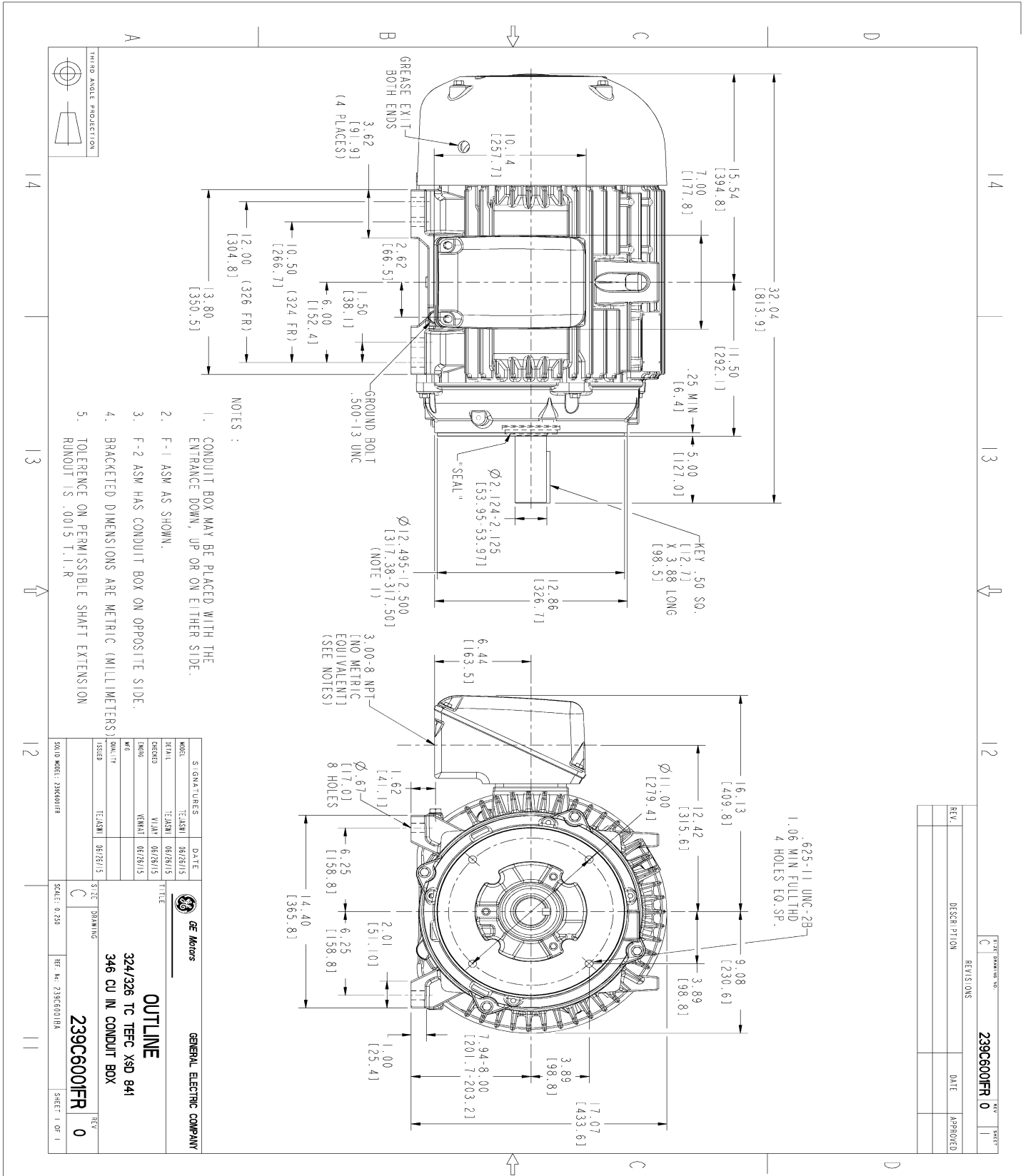
This motor is capable of two cold or one hot start with a maximum connected load inertia of 2445 Lb-Ft Sq (102.93 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 62 seconds. Safe stall time at 100% voltage is 116 seconds cold, 75 seconds hot. Rotor inertia is 8.96 Lb-Ft Sq (0.38 Kg-meter Sq).

Open Circuit A-C:	0.341	Short Circuit D-C:	0.018
Short Circuit A-C:	0.022	X/R Ratio:	6.623
Stator Slots:	54	Rotor Slots:	40

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.

REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES		DATE	 GENERAL ELECTRIC COMPANY
MODEL	TE:ASM	06/28/15	
SERIAL	TE:SM	06/28/15	OUTLINE 324/326 TC TFC XSD 841 346 CU IN. CONDUIT BOX 239C6001FR
ORDER	VJ:AT	06/28/15	
DESIG	VJ:KAI	06/28/15	
W/E			
QUALITY	TE:SM	06/28/15	SCALE: 0.250
ISSUED			REF. No. 239C6001BA
SOLID MODEL: 239C6001BA			SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4203AA1	115E4200LA1
Bearing	235A2609AA01	235A2609AA01
Slinger/Inproseal	235A4575GS2	235A4575GS2

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7000G01
Fan Cover	128D6800AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	