

Product Information Packet

November 8, 2016

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

Model Number:	5KS324SAA2007D2
Catalog Number:	M8965
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6001AE

Accessory Connection Diagrams

Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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imagination at work

Marks:

MODEL NUMBER:	5KS324SAA2007D2	Estimated Weight:	670 Lbs
Outline Drawing:	239C6001AE	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	32BD1182A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	65
Frame:	324TC	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	94.1 %
Output Power:	40HP 29.6KW	Guaranteed Efficiency:	93.6
RPM:	1780	3/4 Load Efficiency:	94.4
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	15.2
Amps - FL:	49.7	Power Factor:	80.0
Service Factor:	1.15	Bearing - DE:	6312ZC3
Alt Service Factor:	1.00	Bearing - ODE:	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS324SAA2007D2 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 -40C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
 SURF TEMP 230C AT 1.15SF ON SINE-WAVE PWR
 OR 200C VT OR 230C 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:

4P - T EXTN
 C FACE ON DE
 346 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 F1 MOUNTING

Performance Characteristics

1st Winding 1st Connection

Design: 32BD1182A**Marks:**

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.44	93.73	94.29	94.38	93.95	91	0.00
% PF	82.2	81.63	80.17	75.3	64.74	42.47	3.55
AMPS	60.93	56.27	49.42	39.51	30.78	24.22	21.15

TORQ(FL)#FT 118.11
AMPS(LR) 267.58

TORQ(LR)%FL 162.86
PF AT START 0.33

TORQ(BD)%FL 242.16

This motor is capable of two cold or one hot start with a maximum connected load inertia of 952 Lb-Ft Sq (40.08 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 40 seconds. Safe stall time at 100% voltage is 88 seconds cold, 47 seconds hot. Rotor inertia is 7.01 Lb-Ft Sq (0.3 Kg-meter Sq).

Open Circuit A-C: 0.48

Short Circuit D-C: 0.022

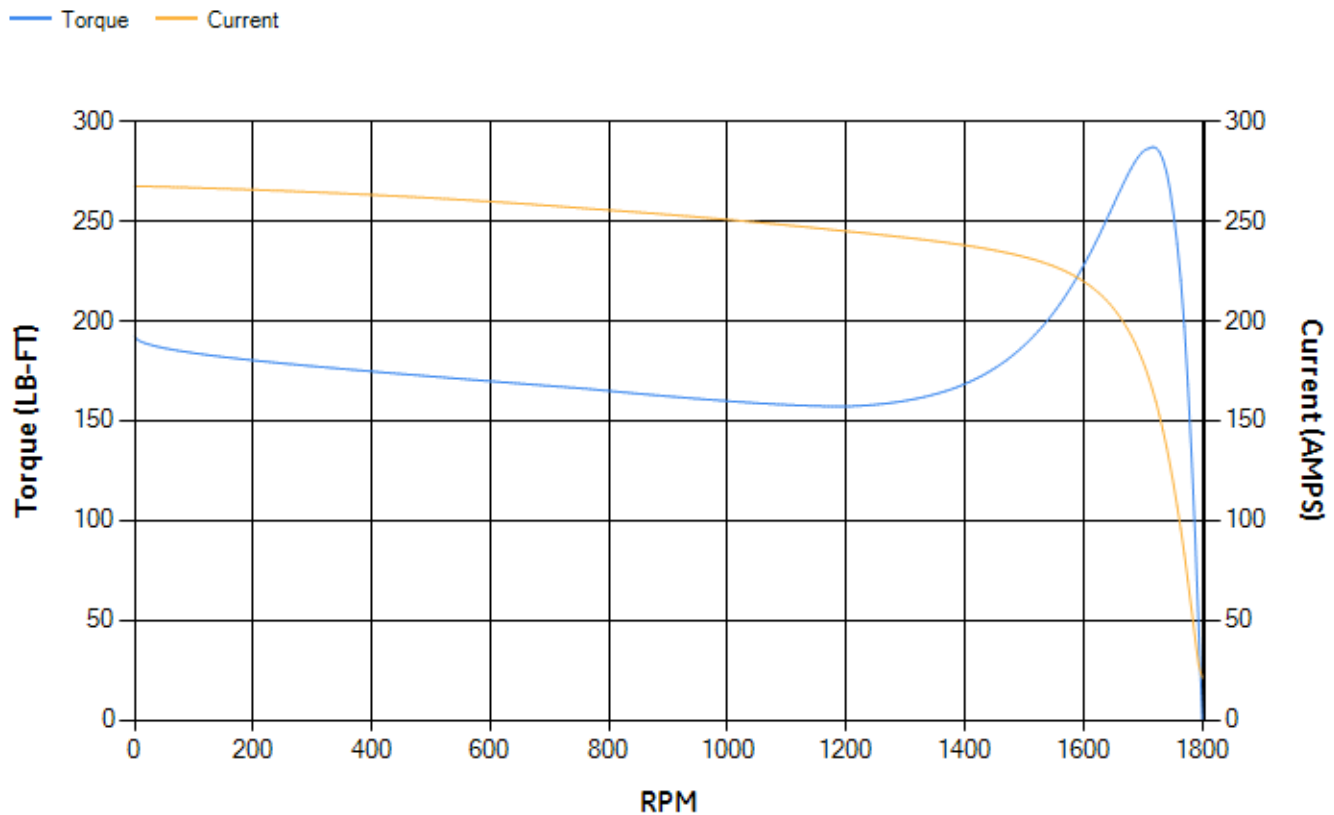
Short Circuit A-C: 0.032

X/R Ratio: 8.428

Stator Slots: 48

Rotor Slots: 38

Speed Torque Current Curve (First Connection, First Speed)



NAME:501291659 OBJECT:239C6001AE DATE:28-Feb-08 19:07:23


THIRD ANGLE PROJECTION

The symbol for third angle projection consists of a truncated cone. The top view is shown as a circle with a crosshair, and the front view is shown as a trapezoid with a dashed line indicating the hidden edge. The text 'THIRD ANGLE PROJECTION' is written vertically to the right of the symbol.



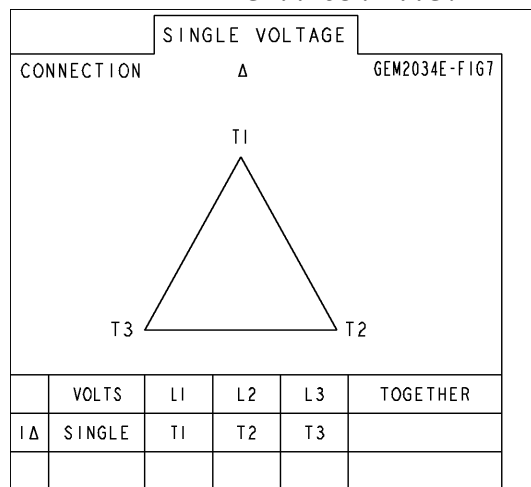
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASH AS SHOWN.
3. F-2 ASH - HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).

DRAWING NO.		SN	REV
239C600IAE		0	
REV IS IONS			
REV.	DESCRIPTION	DATE	APPROVED

SIGNATURE	DATE	 GENERAL ELECTRIC COMPANY Fort Wayne, Indiana
MAGNALL	03/14/02	
DESIGNED	MAN/ANALYST	
03/14/02		
03/14/02		
ISSUED	03/14/02	
APPLIED PRACTICES		
SIZE MARKING C		
SCALE: 0.250 REF. NO:		
324/326 TC TERC XSD ULTRA 346 CU. IN. CONDUIT BOX		
OUTLINE		
239C6001AE		
REV.		0
SHEET 1 OF 1		
DISTRIBUTION:		

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	149C4399G04	149C4399G04

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6900G04
Fan Cover	128D6800AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

