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:	**5KS324XAA308D8**
Catalog Number:	**M9444**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6000RJ

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:	**5KS324XAA308D8**	**Estimated Weight:**	660 Lbs
Outline Drawing:	239C6000RJ	**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:	324T	**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:5KS324XAA308D8 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
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**

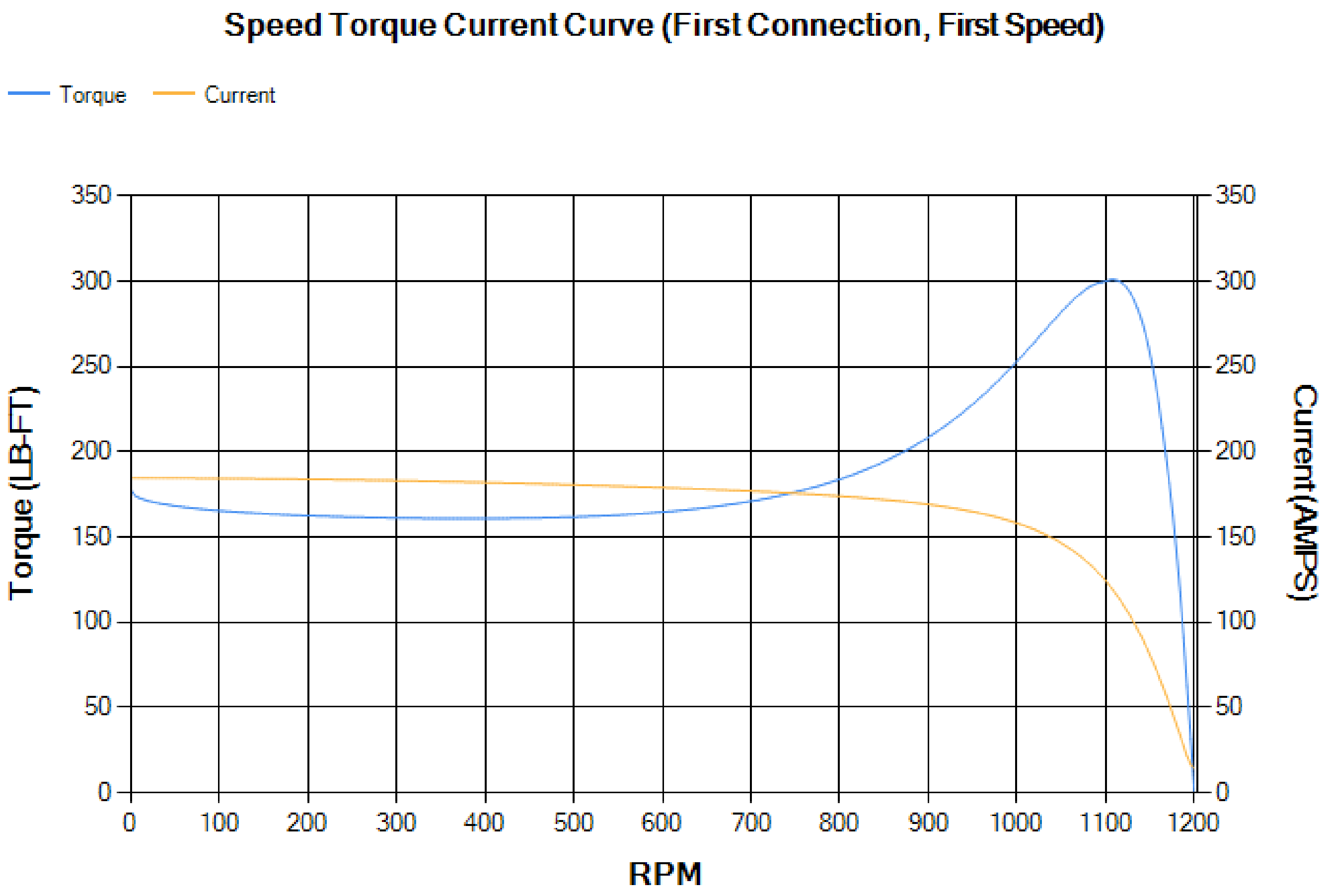
Marks:

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	80.3	78.6	73.26	62.21	40.3	4
AMPS	39.16	36.2	31.92	25.65	20.24	16.21	14.32

TORQ(FL)#FT	111.19	**TORQ(LR)%FL**	159.54	**TORQ(BD)%FL**	268.46
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 8.87 Lb-Ft Sq (0.37 Kg-meter Sq).

Open Circuit A-C:	0.34	**Short Circuit D-C:**	0.018
Short Circuit A-C:	0.022	**X/R Ratio:**	6.623
Stator Slots:	54	**Rotor Slots:**	40

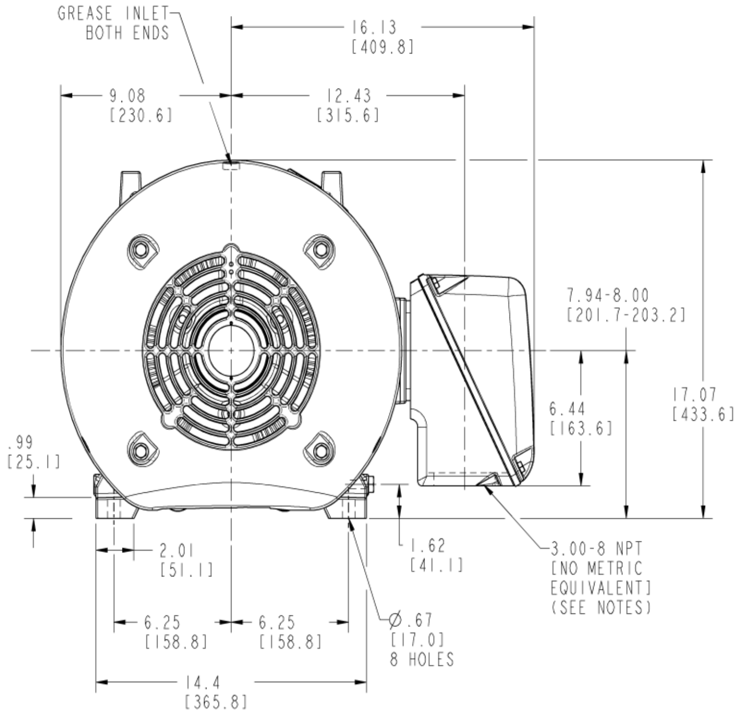


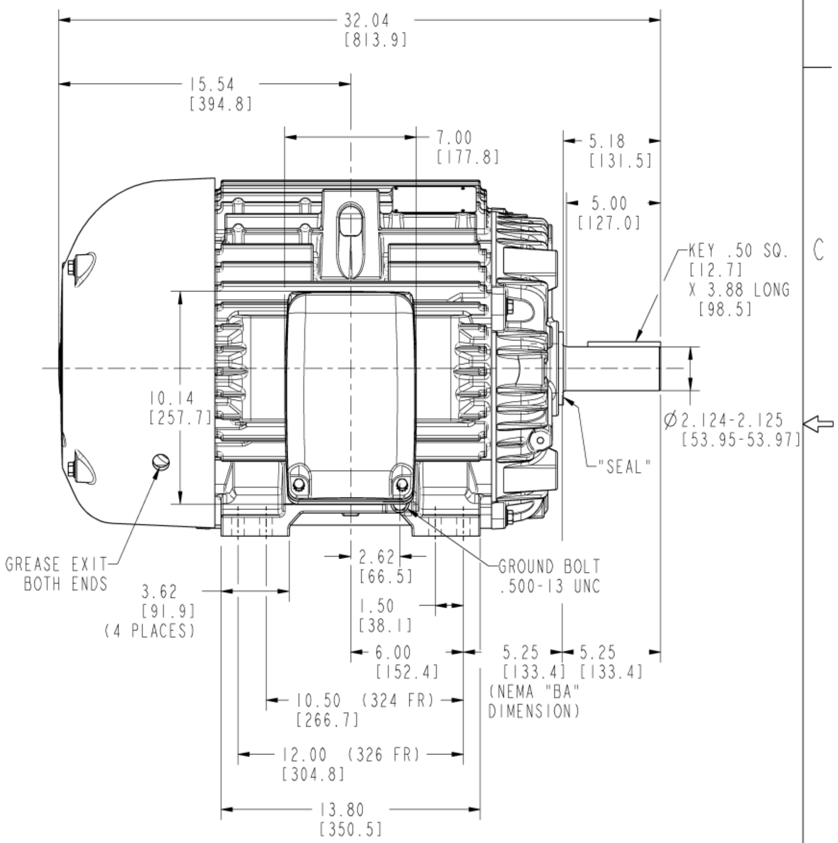
SIZE	DRAWING NO.	REV	SHEET
C	239C6000RJ	001	1

PROPRIETARY INFORMATION

REVISIONS

REV.	DESCRIPTION		DATE	APPROVED
1	ISAAC# 18-0869	SREEDEVI	11/13/18	PRASHANTH





NOTES :

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

THIRD ANGLE PROJECTION

SIGNATURES		DATE
MODEL	TEJASWI	06/19/15
DETAIL	TEJASWI	06/19/15
CHECKED	KARTHIK	06/19/15
ENGRG	VENKAT	06/19/15
MFG		
QUALITY		
ISSUED	TEJASWI	06/19/15

SOLID MODEL: 239C6000RJ

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TITLE
OUTLINE
324/326 T TEFC X$D 841
346 CU. IN. CONDUIT BOX

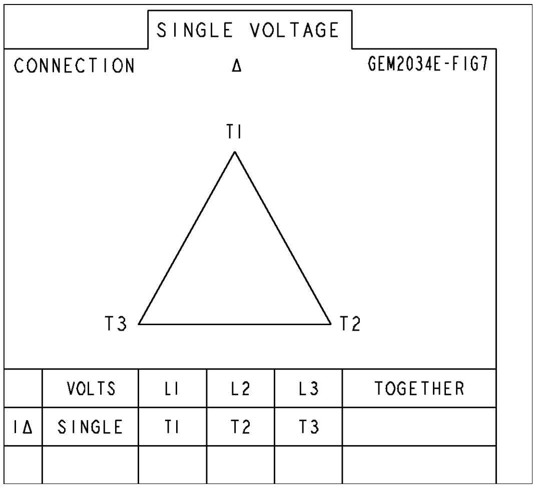
SIZE	DRAWING	REV
C	239C6000RJ	001

SCALE: 0.250 | REF. No: 239C6000AJ | SHEET 1 OF 1

Marks:

Connection Diagram

GEM2034E-FIG7



	VOLTS	L1	L2	L3	TOGETHER
1Δ	SINGLE	T1	T2	T3	

End shield Assembly

Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4200AA1	115E4200LA1
Bearing	235A2509AS01	235A2509AS01
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	