GE INDUSTRIAL MOTORS
a WOLONG company

Product Technical Information

January 8, 2021

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

Model Number:	**5KS326SAA305D8**
Catalog Number:	**M9161**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	239C6000AE

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:	**5KS326SAA305D8**	**Estimated Weight:**	670 Lbs
Outline Drawing:	239C6000AE	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG9	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	X$D
Design Code:	32BD3101A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	65
Frame:	326T	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	6	**Nominal Efficiency:**	93.0 %
Output Power:	30HP 22.2KW	**Guaranteed Efficiency:**	92.4 %
RPM:	1180	**3/4 Load Efficiency:**	--
Voltage:	230/460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	11.8
Amps - FL:	76.0/38.0	**Power Factor:**	79.5
Service Factor:	1.25	**Bearing - DE:**	6312ZC3
Alt Service Factor:	1.00	**Bearing - ODE:**	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

SF AMPS 93.8/46.9
STAMP NP249A5564P051 AS BELOW:
MODEL:5KS326SAA305D8 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 280C AT 1.25SF 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 4-60 HZ, CHP 60-90 HZ.

Additional Information:

6P - T EXTN
346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
F1 MOUNTING

Performance Characteristics 1st Winding 1st Connection **Design: 32BD3101A**

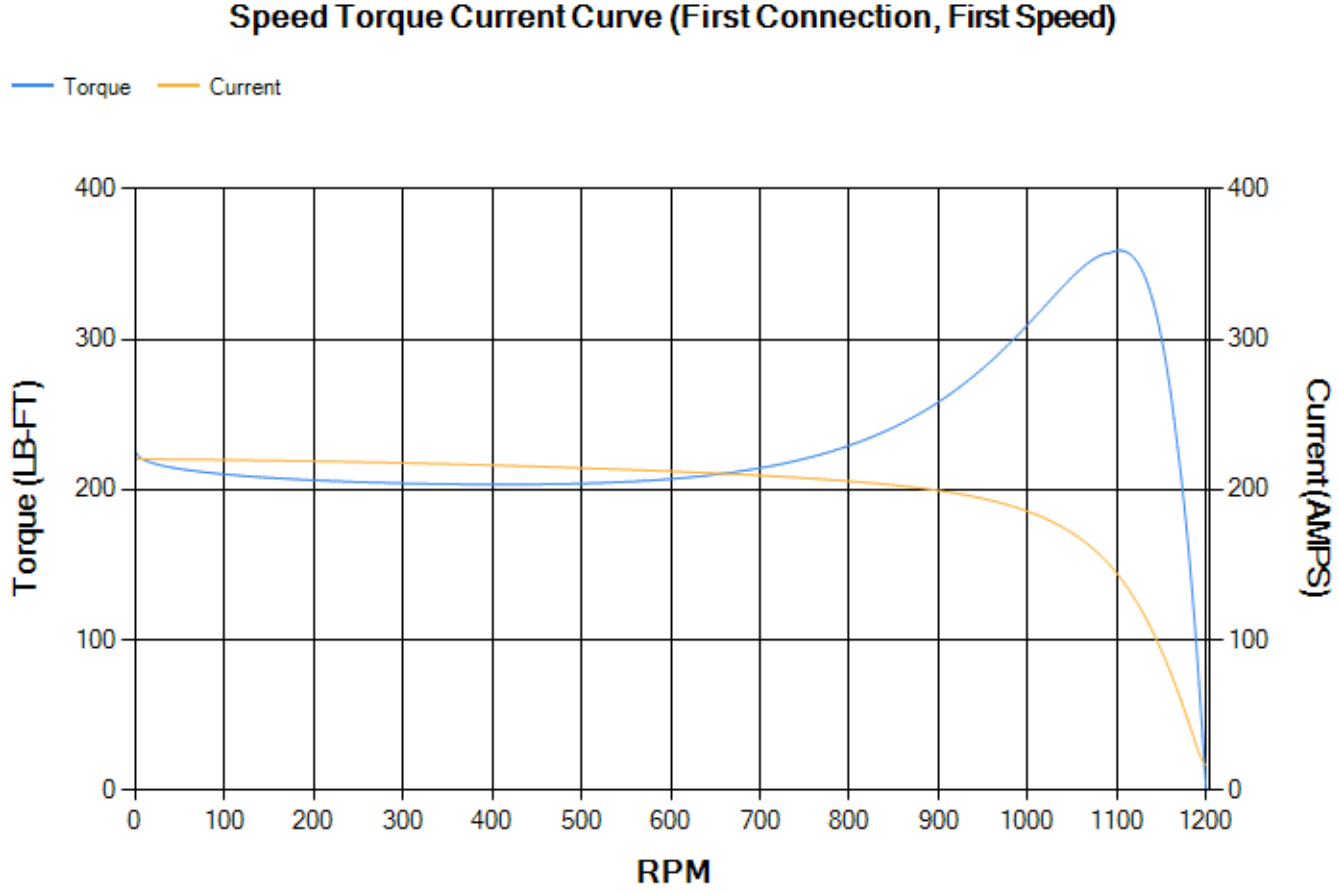
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.92	92.34	93.07	93.39	93.11	90.08	0.00
% PF	81.4	80.8	79.28	74.23	63.47	41.41	3.84
AMPS	46.91	43.28	38.03	30.38	23.76	18.82	16.52

TORQ(FL)#FT	133.7	**TORQ(LR)%FL**	168.41	**TORQ(BD)%FL**	266.34
AMPS(LR)	220.35	**PF AT START**	0.34		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2199 Lb-Ft Sq (92.58 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 45 seconds. Safe stall time at 100% voltage is 94 seconds cold, 54 seconds hot. Rotor inertia is 9.29 Lb-Ft Sq (0.39 Kg-meter Sq).

Open Circuit A-C:	0.317	**Short Circuit D-C:**	0.017
Short Circuit A-C:	0.019	**X/R Ratio:**	6.337
Stator Slots:	54	**Rotor Slots:**	40



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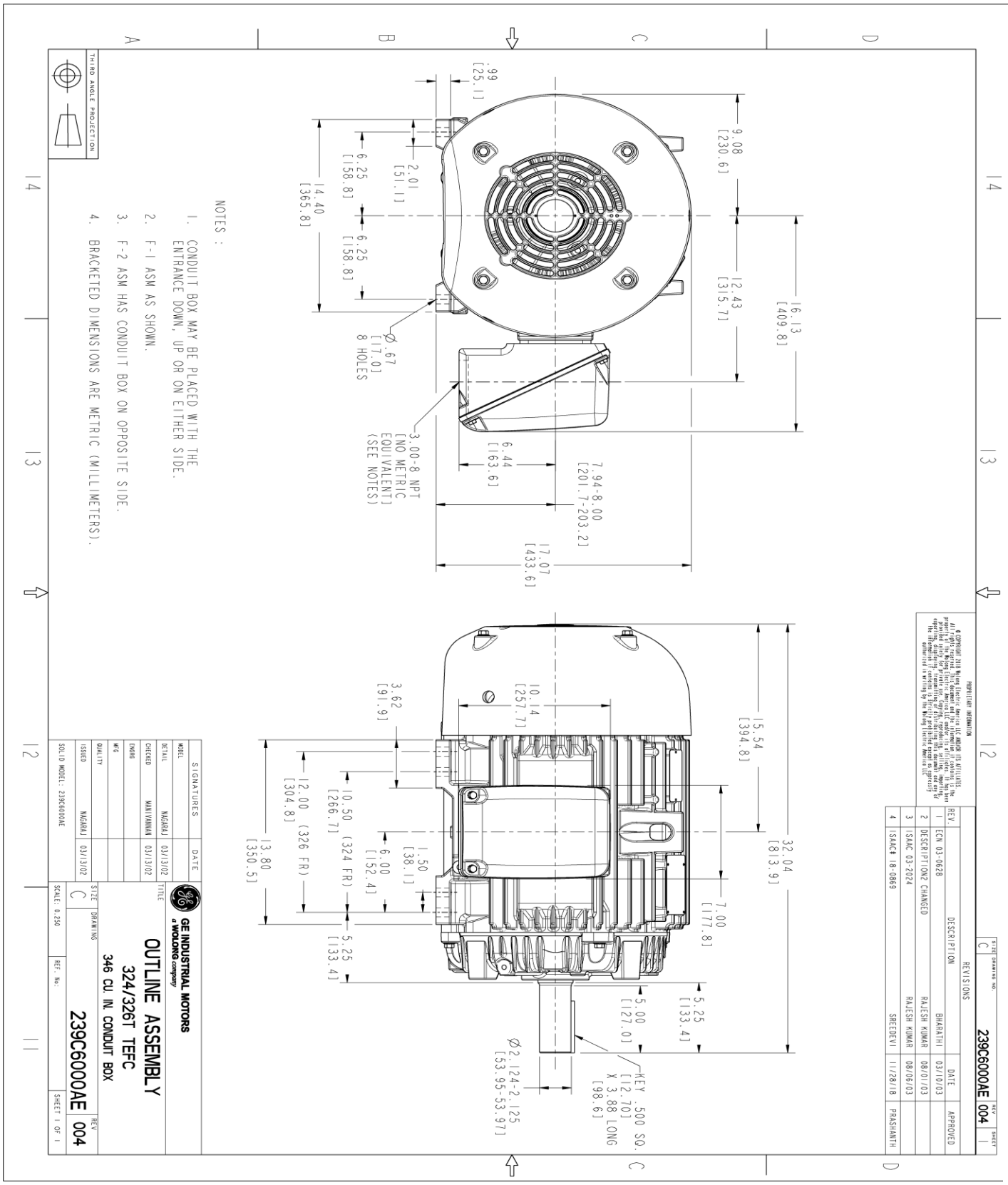

NOTES :

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).

THIRD ANGLE PROJECTION

REVISIONS				
REV.	DESCRIPTION	BY	DATE	APPROVED
1	ECN 03-0628	BHARATHI	03/10/03	
2	DESCRIPTION CHANGED	RAJESH KUMAR	08/01/03	
3	ISAAC 03-2224	RAJESH KUMAR	08/06/03	
4	ISAAC# 18-0869	SREEDEVI	11/28/18	PRASHANTH

SIZE	DRAWING NO.	REV
C	239C6000AE	004

SHEET 1

SIGNATURES		DATE
MODEL		
DETAIL	MAGARAJ	03/13/02
CHECKED	MANIVANNAN	03/13/02
ENGRG		
MFG		
QUALITY		
ISSUED	MAGARAJ	03/13/02

SOLID MODEL: 239C6000AE

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TITLE

OUTLINE ASSEMBLY

324/326T TEFC

346 CU. IN. CONDUIT BOX

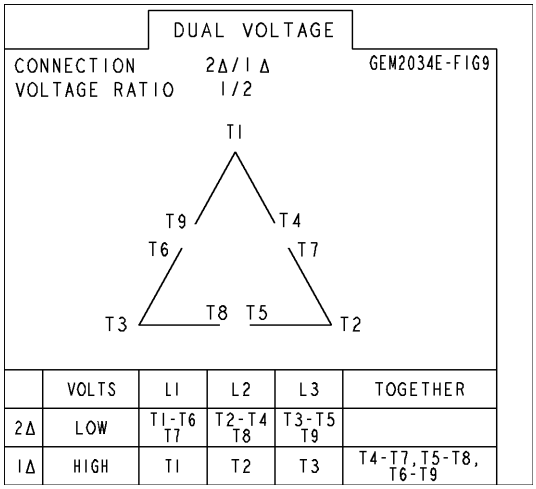
SIZE	DRAWING	REV
C	239C6000AE	004

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

Marks:

Connection Diagram

GEM2034E-FIG9



	VOLTS	L1	L2	L3	TOGETHER
2Δ	LOW	T1-T6 T7	T2-T4 T8	T3-T5 T9	
1Δ	HIGH	T1	T2	T3	T4-T7, T5-T8, T6-T9

End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4200AA1	115E4200LA1
Bearing	235A2509AS01	235A2509AS01
Slinger/Inproseal	149C4399G04	149C4399G04

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	