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:	**5KS326XAA253BW8**
Catalog Number:	**M6629**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6000RM

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:	**5KS326XAA253BW8**	**Estimated Weight:**	710 Lbs
Outline Drawing:	239C6000RM	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	661
Design Code:	32BD1183A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	326T	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	4	**Nominal Efficiency:**	94.5 %
Output Power:	50HP 37KW	**Guaranteed Efficiency:**	94.1 %
RPM:	1780	**3/4 Load Efficiency:**	94.8 %
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	17.7
Amps - FL:	60.8	**Power Factor:**	81.5
Service Factor:	1.15	**Bearing - DE:**	NU 312
Alt Service Factor:	--	**Bearing - ODE:**	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

API STD 661
ROLLER BEARING - FOR BELTED LOAD ONLY
DE BRG 60RU03J, ODE BRG 60BC03JP30
IP 56
STAMP NP249A5564P051 AS BELOW:
MODEL:5KS326XAA253BW8 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
.002" 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.
B5F4C4 HIGH FATIGUE STEEL AISI 4142 SHAFT MATERIAL
GROUND PAD
VERTICAL MOUNT SHAFT UP

Performance Characteristics 1st Winding 1st Connection **Design: 32BD1183A**

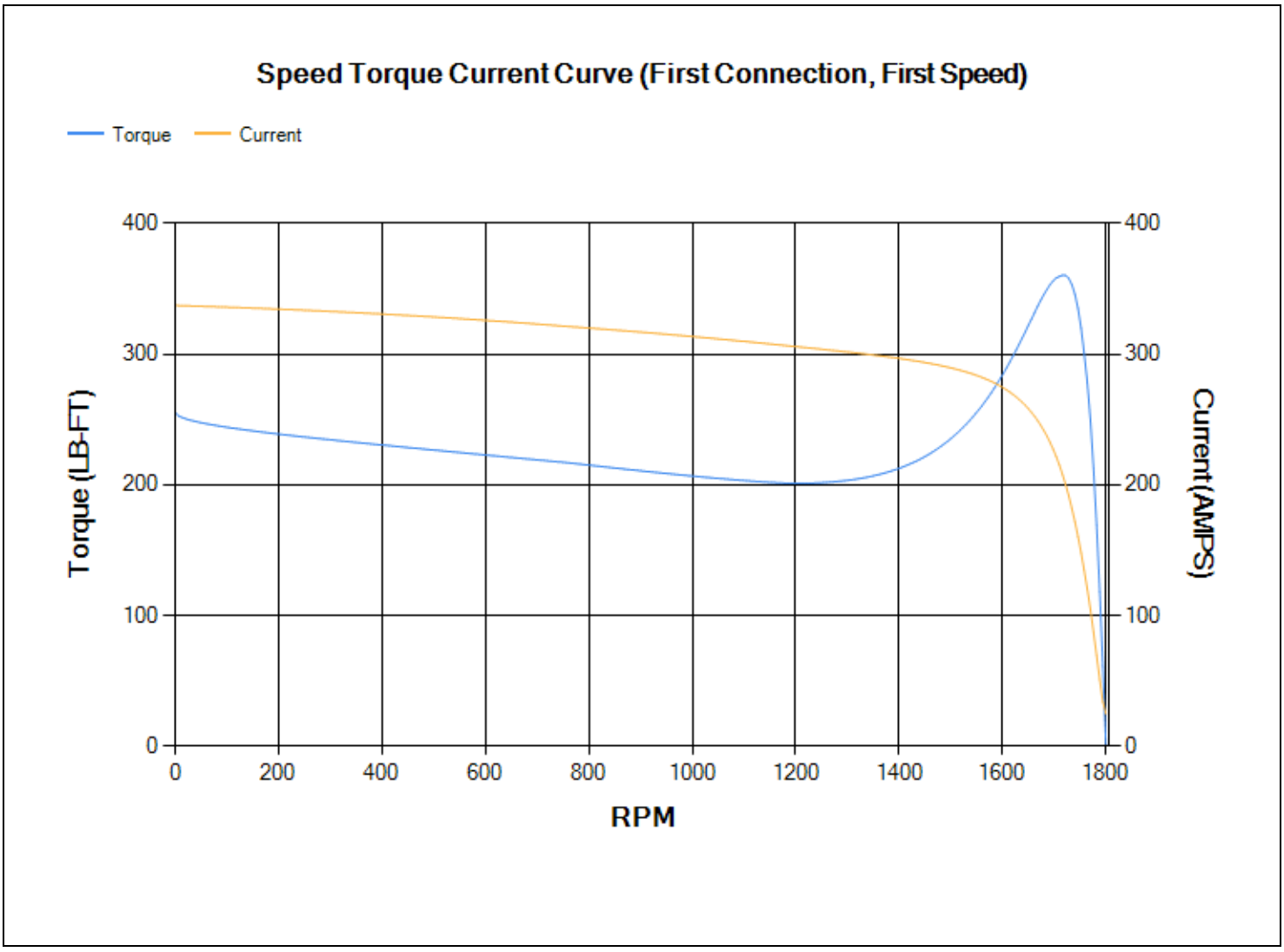
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.77	94.07	94.64	94.79	94.49	91.93	0.00
% PF	83.04	82.57	81.28	76.81	66.71	44.37	3.33
AMPS	75.13	69.29	60.71	48.21	37.12	28.68	24.72

TORQ(FL)#FT	147.64	**TORQ(LR)%FL**	173.11	**TORQ(BD)%FL**	243.21
AMPS(LR)	337.38	**PF AT START**	0.34		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1058 Lb-Ft Sq (44.54 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 34 seconds. Safe stall time at 100% voltage is 78 seconds cold, 40 seconds hot. Rotor inertia is 8.52 Lb-Ft Sq (0.36 Kg-meter Sq).

Open Circuit A-C:	0.51	**Short Circuit D-C:**	0.023
Short Circuit A-C:	0.031	**X/R Ratio:**	8.712
Stator Slots:	48	**Rotor Slots:**	38



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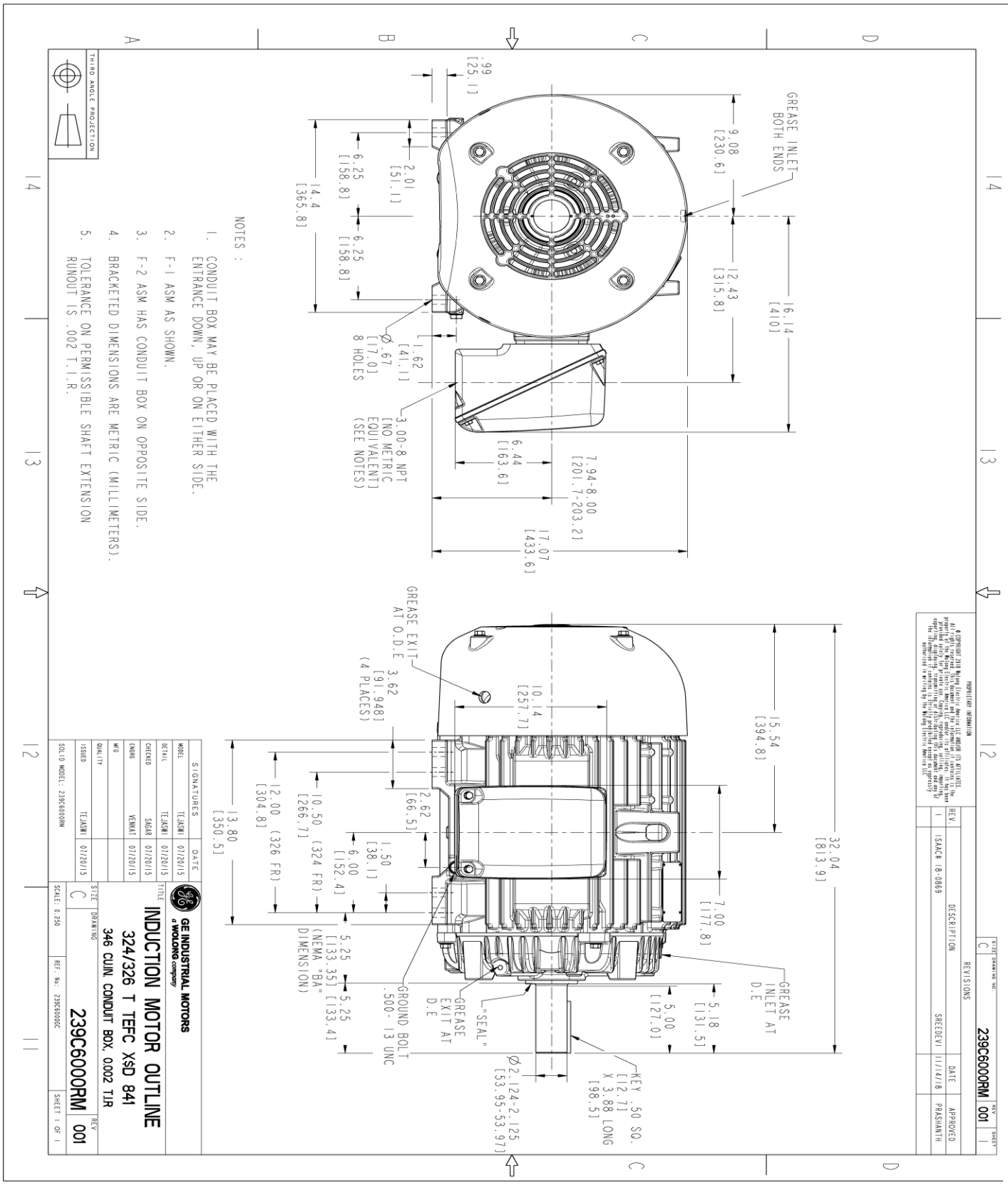

NOTES :

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).
5. TOLERANCE ON PERMISSIBLE SHAFT EXTENSION RUNOUT IS .002 T.I.R.

THIRD ANGLE PROJECTION

REVISIONS				
REV.	DESCRIPTION	DATE	APPROVED	
I	ISSAC# 18-0869	11/14/18	PRASHANTH	

SIGNATURES		DATE
MODEL	TE/ASW	01/20/15
DETAIL	TE/ASW	01/20/15
CHECKED	SAGAR	01/20/15
ENGRG	VENKAT	01/20/15
MFG		
QUALITY		
ISSUED	TE/ASW	01/20/15

SOLID MODEL: 239C6000RM

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TITLE: INDUCTION MOTOR OUTLINE

324/326 T TEFC XSD 841

346 CUIN. CONDUIT BOX, 0.002 TIR

SIZE: C | DRAWING: 239C6000RM | REV: 001

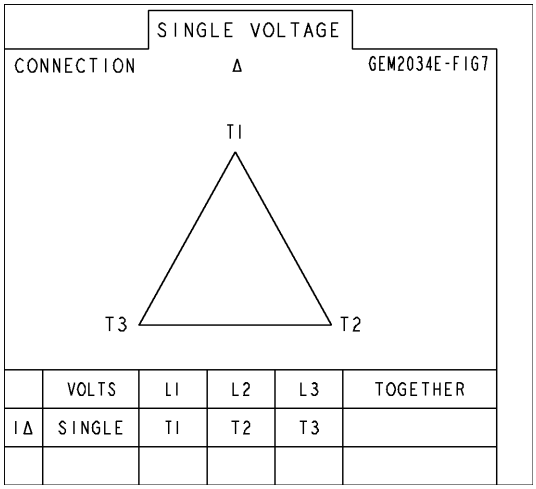
SCALE: 0.250 | REF. No.: 239C6000GC | SHEET 1 OF 1

D/SIZE | DRAWING NO.: C 239C6000RM | REV: 001 | SHEET: 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	115E4200AT1	115E4200LA1
Bearing	235A2512AB01	235A2509AS01
Slinger/Inproseal	235A4575JG2	235A4575GS2

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	