

Product Information Packet

November 8, 2016

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

Model Number:	5KS326XAA342D
Catalog Number:	M9524
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6005DE

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:	5KS326XAA342D	Estimated Weight:	670 Lbs
Outline Drawing:	239C6005DE	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	32BD3101A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	326TC	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:	93.4
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	11.8
Amps - FL:	38.0	Power Factor:	79.5
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:5KS326XAA342D 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 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 4-60 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.
 ROUND FRAME



GROUND PAD
VERTICAL MOUNT SHAFT DOWN WITH DRIP COVER

Performance Characteristics

1st Winding 1st Connection

Design: 32BD3101A

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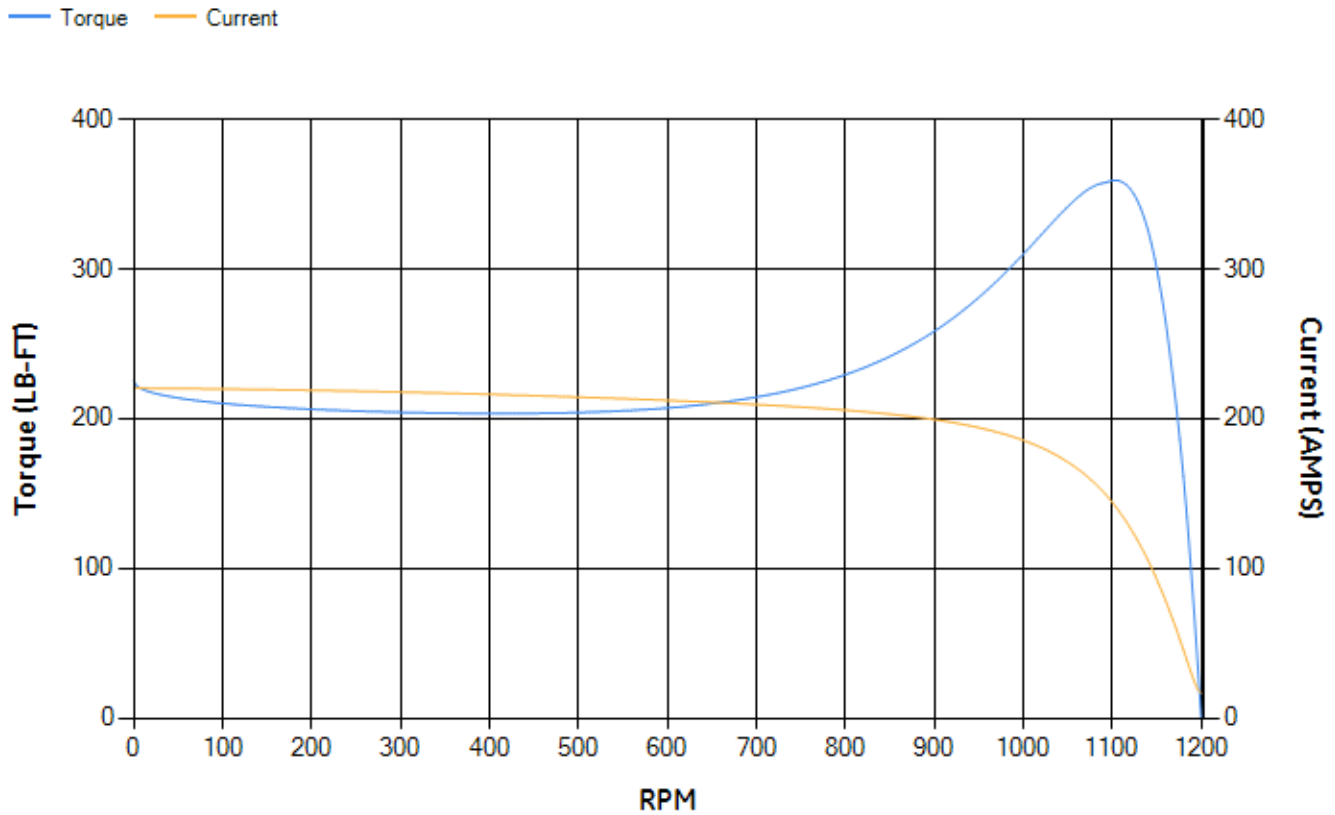
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.92	92.34	93.07	93.39	93.11	90.08	0.00
% PF	81.41	80.82	79.29	74.24	63.49	41.43	3.84
AMPS	46.9	43.27	38.03	30.37	23.75	18.81	16.51

TORQ(FL)#FT	133.7	TORQ(LR)%FL	168.41	TORQ(BD)%FL	266.35
AMPS(LR)	220.34	PF AT START	0.34		

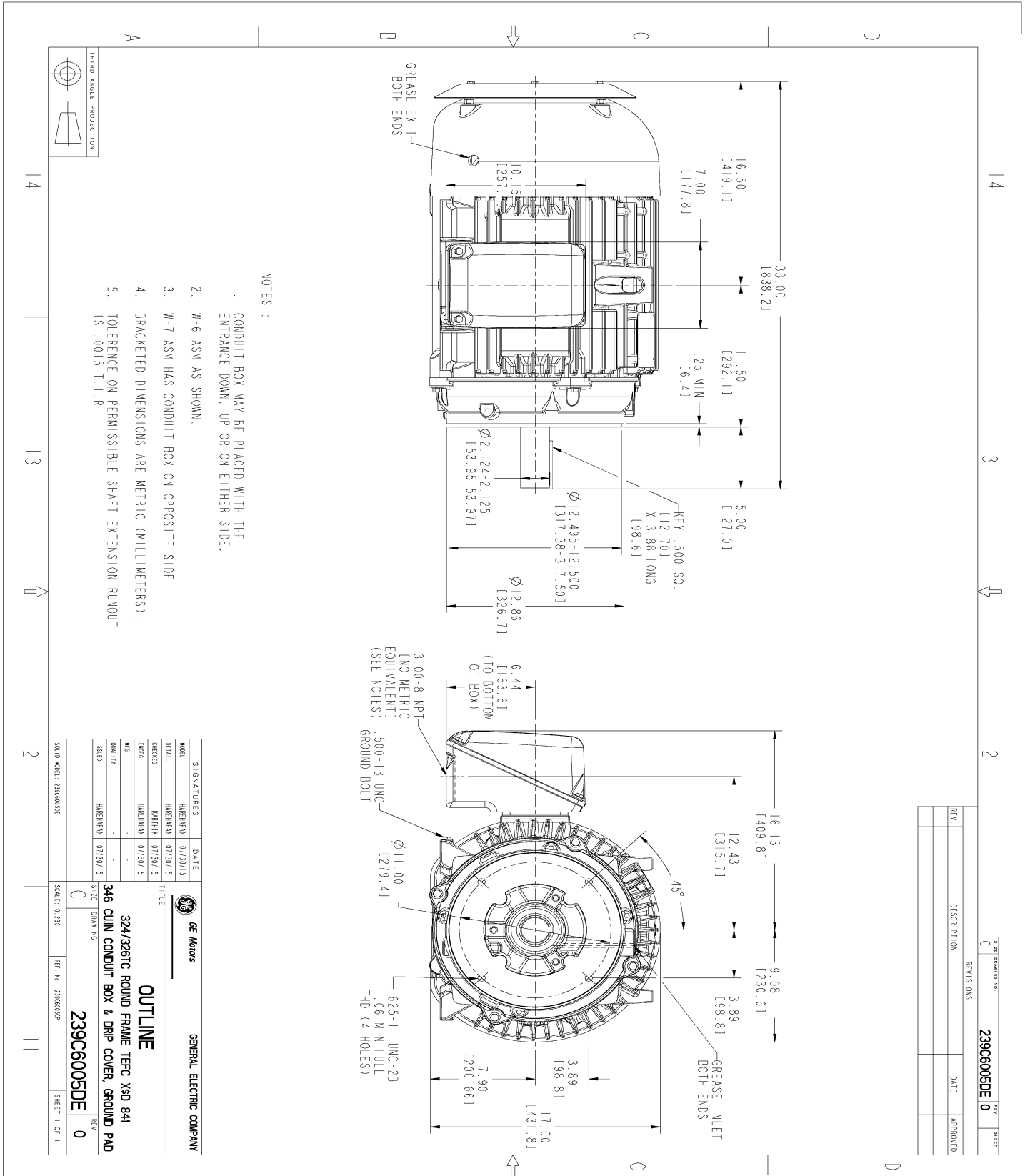
This motor is capable of two cold or one hot start with a maximum connected load inertia of 2199 Lb-Ft Sq (92.58 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 45 seconds. Safe stall time at 100% voltage is 94 seconds cold, 54 seconds hot. Rotor inertia is 9.38 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

Speed Torque Current Curve (First Connection, First Speed)

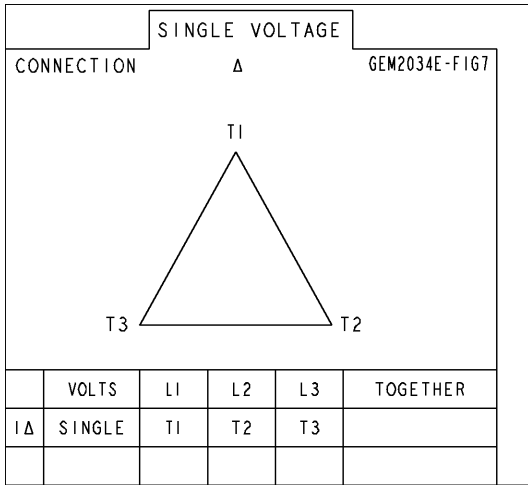


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Connection Diagram
GEM2034E-FIG7



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	128D6800AB1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	