



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:	5KS326XAA204D7
Catalog Number:	M9588
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: 5KS326XAA204D7
Outline Drawing: 239C6000RJ
Connection Diagram: GEM2034E-FIG7
Instruction Book: GEI-56128
Design Code: 32BD1183B
Type: KS
Frame: 326T
Phases: 3
Poles: 4
Output Power: 50HP 37KW
RPM: 1780
Voltage: 575
Hertz: 60
Amps - FL: 48.9
Service Factor: 1.15
Alt Service Factor: --

Estimated Weight: 710 Lbs
Time Rating: CONT
Enclosure: TEFC
Encl Construction: 841
Ambient Max(°C): 40
Alt Ambient Max(°C): --
Insulation Class: H
NEMA Design: B
Nominal Efficiency: 94.5 %
Guaranteed Efficiency: 94.1 %
3/4 Load Efficiency: 94.8 %
KVA Code: G
Max KVAR: 18.1
Power Factor: 81.0
Bearing - DE: 6312ZC3
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:5KS326XAA204D7 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
.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: 32BD1183B**Marks:**

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.86	94.15	94.7	94.81	94.48	91.87	0.00
% PF	82.87	82.35	81	76.37	66.09	43.72	3.31
AMPS	60.16	55.53	48.71	38.78	29.98	23.3	20.18

TORQ(FL)#FT 147.6
AMPS(LR) 274.09

TORQ(LR)%FL 175.5
PF AT START 0.33

TORQ(BD)%FL 246.95

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1083 Lb-Ft Sq (45.59 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, 41 seconds hot. Rotor inertia is 8.52 Lb-Ft Sq (0.36 Kg-meter Sq).

Open Circuit A-C: 0.509

Short Circuit D-C: 0.023

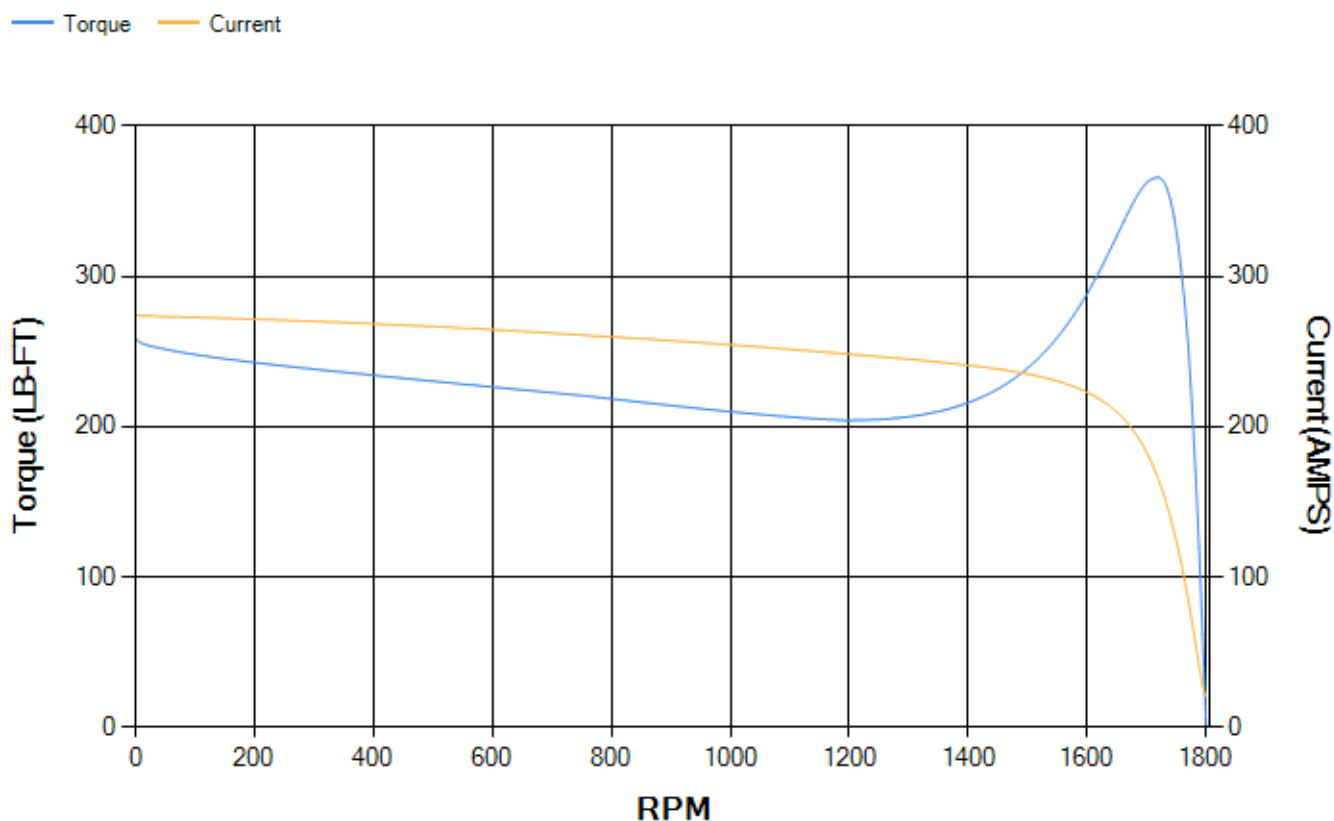
Short Circuit A-C: 0.031

X/R Ratio: 8.831

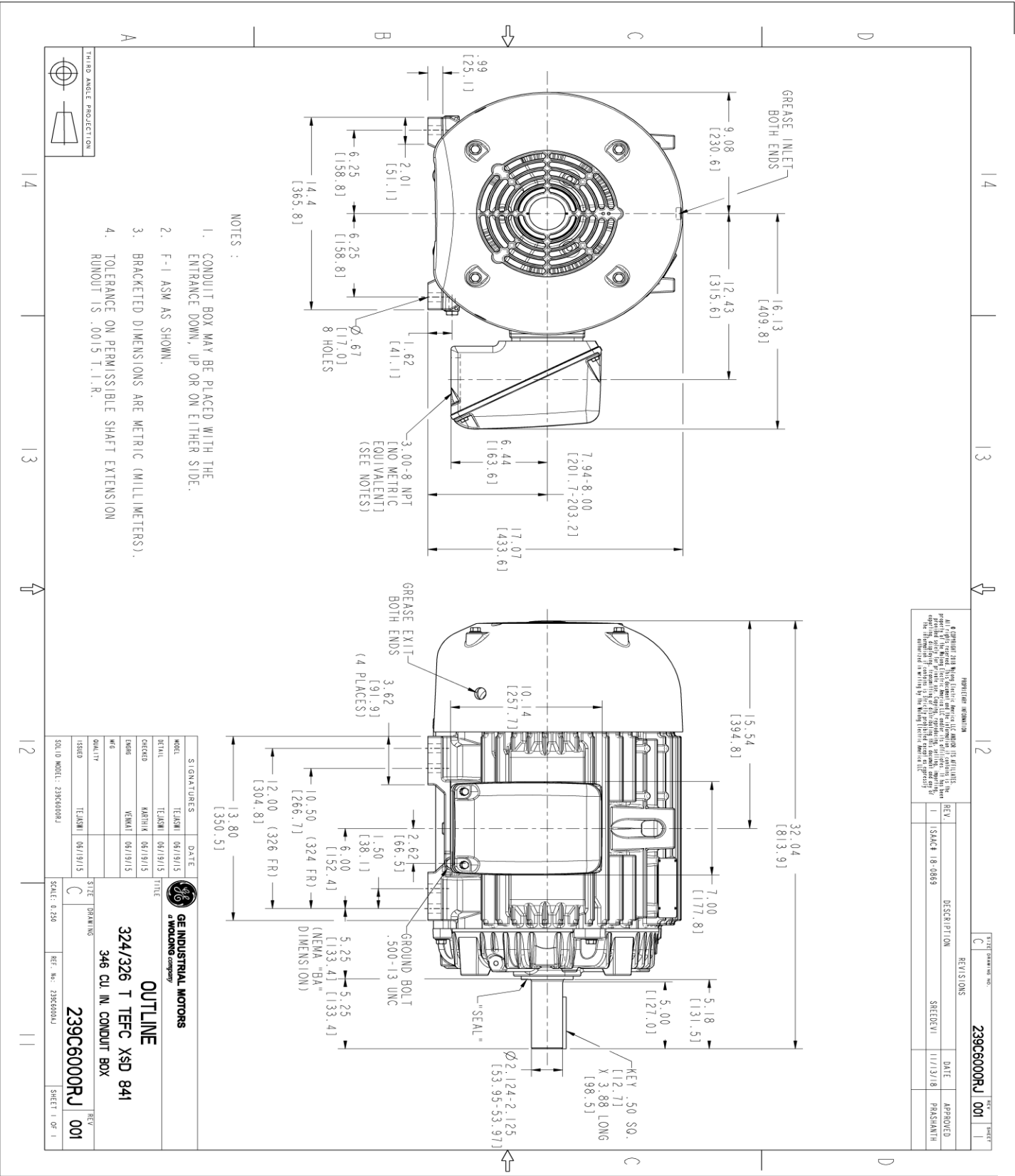
Stator Slots: 48

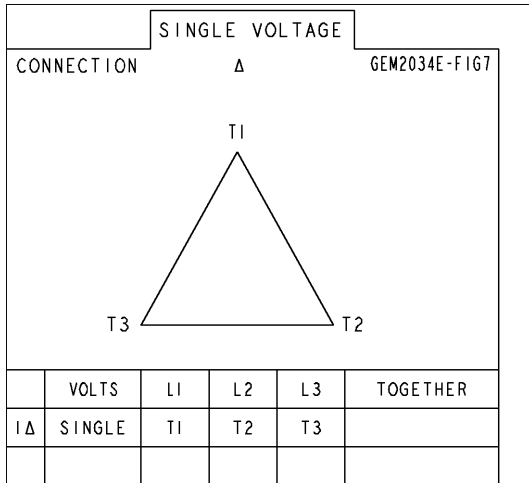
Rotor Slots: 38

Speed Torque Current Curve (First Connection, First Speed)



Marks:



Marks:**Connection Diagram*****GEM2034E-FIG7***

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	159C6900G04
Fan Cover	128D6800AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

