



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

June 24, 2020

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

Model Number:	5KS256XAA200D4
Catalog Number:	M8914
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG1
Outline Drawing:	4002B5825PBP5477

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: 5KS256XAA200D4
Outline Drawing: 4002B5825PBP5477
Connection Diagram: GEM2034E-FIG1
Instruction Book: GEI-56128
Design Code: 25BD1231A
Type: KS
Frame: 256TC
Phases: 3
Poles: 4
Output Power: 20HP 14.8KW
RPM: 1775
Voltage: 460
Hertz: 60
Amps - FL: 24.0
Service Factor: 1.15
Alt Service Factor: --

Estimated Weight: 350 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: 93 %
Guaranteed Efficiency: 92.4 %
3/4 Load Efficiency: 93.9 %
KVA Code: G
Max KVAR: 6.6
Power Factor: 84.0
Bearing - DE: 6310ZC3
Bearing - ODE: 6309ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
 DE BRG 50BC03JP30 ODE BRG 45BC03JP30
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS256XAA200D4 S/N: XXX
 CSA CERTIFIED CSA09.2216219 FOR EX NA IIC 200C 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 6-60HZ, CHP 60-90HZ.



Additional Information:

4P - T EXTN
STANDARD FLOOR MOUNT
C/BOX 137 CU IN-1.25 NPT
F1 CONDUIT BOX MOUNTING
"C" FACE AT DE ENDSHIELD
PAINTED FRAME ID & SHAFT,
FAN COVER INSIDE & ODE E/S OUTSIDE
ROUTINE AND 5 POINT VIBRATION TESTS INCL IN C/BOX
INPRO SEAL BOTH ENDS
GROUND SCREW ON FRAME
ROTATE D.E. E/SHIELD 90 DEG. PER OUTLINE
SHAFT RUNOUT LIMIT .001" TIR
COPPER WASHER UNDER HEADS OF BEARING CAP BOLTS
APPLY TITE-SEAL (A50CD427A) ON BEARING CAP SCREWS, RABBETS,
AND PLUG THREADS
OIL RESISTANT SLEEVING ON LEADS



Performance Characteristics

1st Winding 1st Connection

Design: 25BD1231A

Marks:

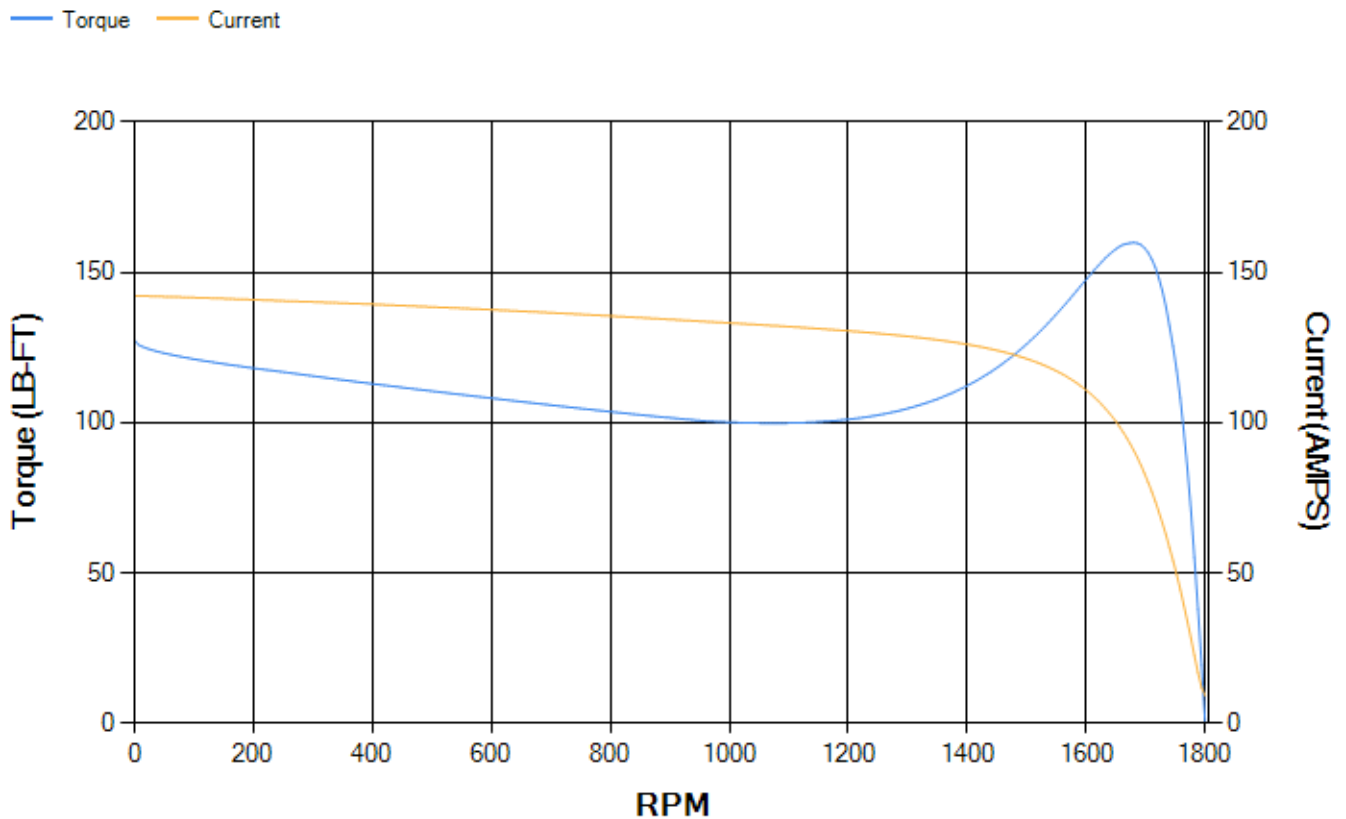
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.54	92.92	93.59	93.87	93.62	90.86	0.00
% PF	85.7	85.21	83.96	79.72	70.03	47.68	4.28
AMPS	29.5	27.19	23.82	18.76	14.27	10.8	9.18

TORQ(FL)#FT	59.15	TORQ(LR)%FL	215.43	TORQ(BD)%FL	269.28
AMPS(LR)	142.25	PF AT START	0.45		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 726 Lb-Ft Sq (30.56 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 98 seconds cold, 64 seconds hot. Rotor inertia is 3.01 Lb-Ft Sq (0.13 Kg-meter Sq).

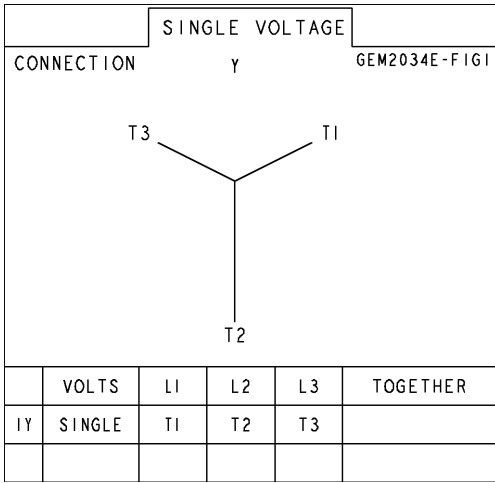
Open Circuit A-C:	0.48	Short Circuit D-C:	0.014
Short Circuit A-C:	0.024	X/R Ratio:	5.314
Stator Slots:	48	Rotor Slots:	40

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG1



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6106RF1	4004D5283SE1
Bearing	235A2508EC01	235A2507EB01
Slinger/Inproseal	4002B5914GF4	4002B5914AG4

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G02
Fan Cover	4003C5788PA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5728PA-G04

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

