



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

May 2, 2023

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

Model Number:	5KS326BAA305
Catalog Number:	M1161
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	239CG000AB

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: 5KS326BAA305
Outline Drawing: 239CG000AB
Connection Diagram: GEM2034E-FIG9
Instruction Book: GEI-56128
Design Code: 32BD3101A
Type: KS
Frame: 326T
Phases: 3
Poles: 6
Output Power: 30HP 22.2KW
RPM: 1180
Voltage: 230/460
Hertz: 60
Amps - FL: 76.0/38.0
Service Factor: 1.15
Alt Service Factor: --

Estimated Weight: 670 Lbs
Time Rating: CONT
Enclosure: TEFC
Encl Construction: GP
Ambient Max(°C): 40
Alt Ambient Max(°C): --
Insulation Class: F
NEMA Design: B
Nominal Efficiency: 93.0 %
Guaranteed Efficiency: --
3/4 Load Efficiency: --
KVA Code: G
Max KVAR: 11.8
Power Factor: 79.5
Bearing - DE: 6312ZC3
Bearing - ODE: 6210ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

VT 0-60 HZ NEMA MG1-31



Additional Information:

6P - T EXTN
C/BOX 346 CU IN - 3.00" NPT
F1 MOUNTING
INVERTER DUTY PER NEMA MG1 PART 31
ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
VAR TORQUE RANGE 0-60 HZ



Performance Characteristics

1st Winding 1st Connection

Design: 32BD3101A

Marks:

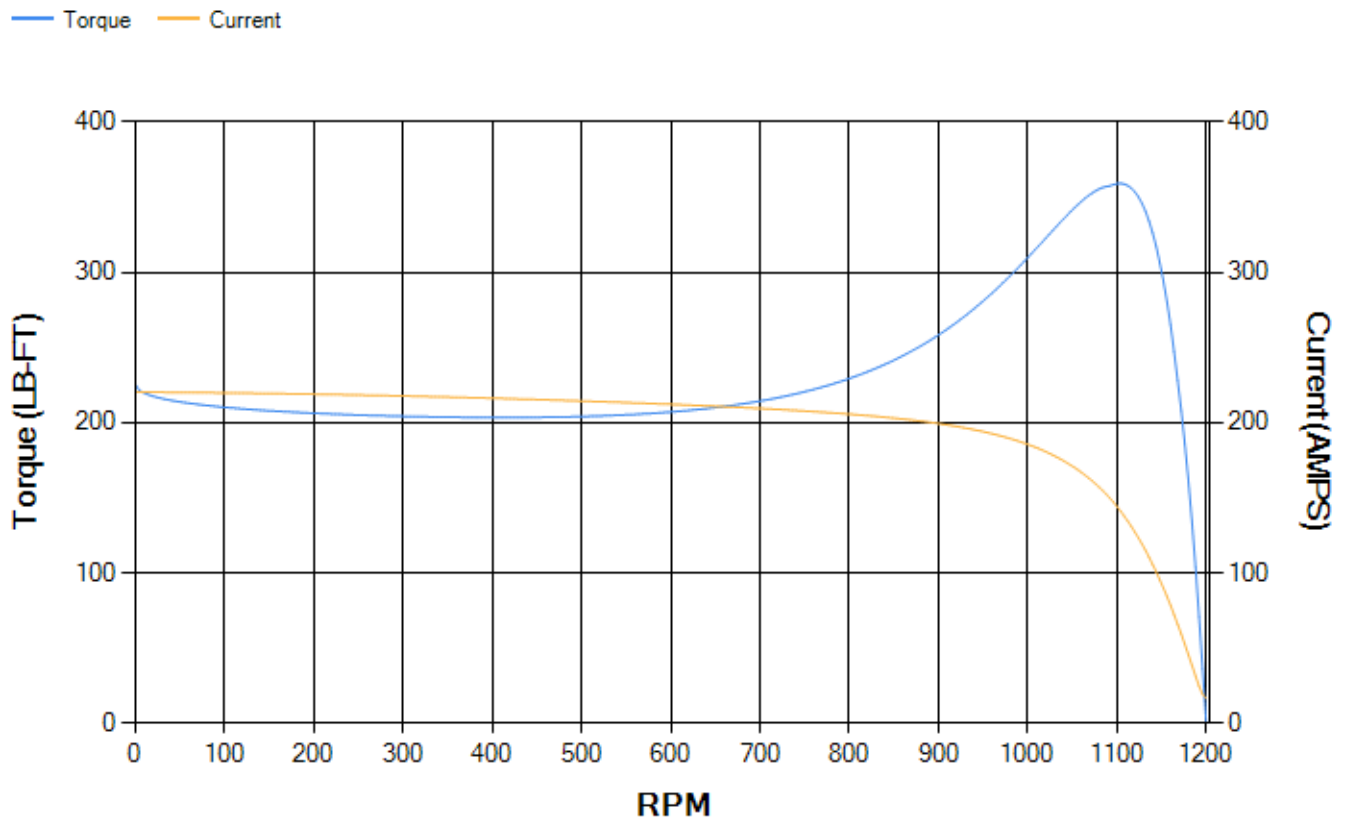
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.92	92.34	93.07	93.39	93.11	90.08	0.00
% PF	81.4	80.8	79.28	74.23	63.47	41.41	3.84
AMPS	46.91	43.28	38.03	30.38	23.76	18.82	16.52

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).

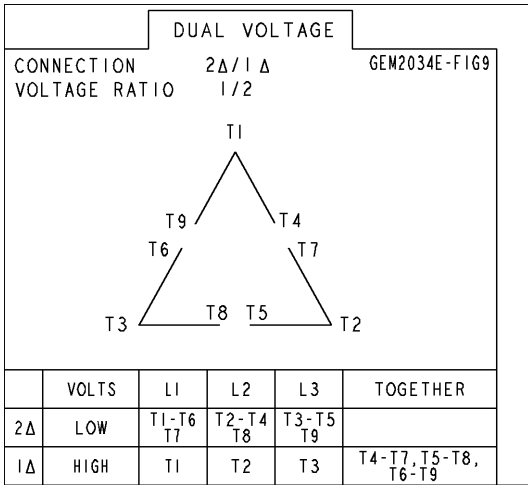
Open Circuit A-C:	0.317	Short Circuit D-C:	0.017
Short Circuit A-C:	0.019	X/R Ratio:	6.337
Stator Slots:	54	Rotor Slots:	40

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG9



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4200AA1	115E4201ZA1
Bearing	235A2609AA01	235A2610AA01
Slinger/Inproseal	149C4399G04	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7000G01
Fan Cover	128D6854AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

