



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

September 25, 2021

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

Model Number:	5KS215XAA2043D
Catalog Number:	M9505
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	4002B5821PDP5444

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:	5KS215XAA2043D	Estimated Weight:	220 Lbs
Outline Drawing:	4002B5821PDP5444	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	21BD1134A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	215TC	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	91.7 %
Output Power:	10HP 7.4KW	Guaranteed Efficiency:	91.0 %
RPM:	1765	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	H
Hertz:	60	Max KVAR:	3.0
Amps - FL:	12.2	Power Factor:	83.5
Service Factor:	1.15	Bearing - DE:	6309ZC3
Alt Service Factor:	--	Bearing - ODE:	6208ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
 DE BRG 45BC03JP30 ODE BRG 40BC02JP30
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS215XAA2043D 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 3-60 HZ, CHP 60-90 HZ.



Additional Information:

4P - T EXTN
C/BOX 55 CU IN-1.00 NPT
"C" FACE AT DE ENDSHIELD ROUND FRAME
VERTICAL MOUNT SHAFT DOWN WITH DRIPCOVER
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: 21BD1134A

Marks:

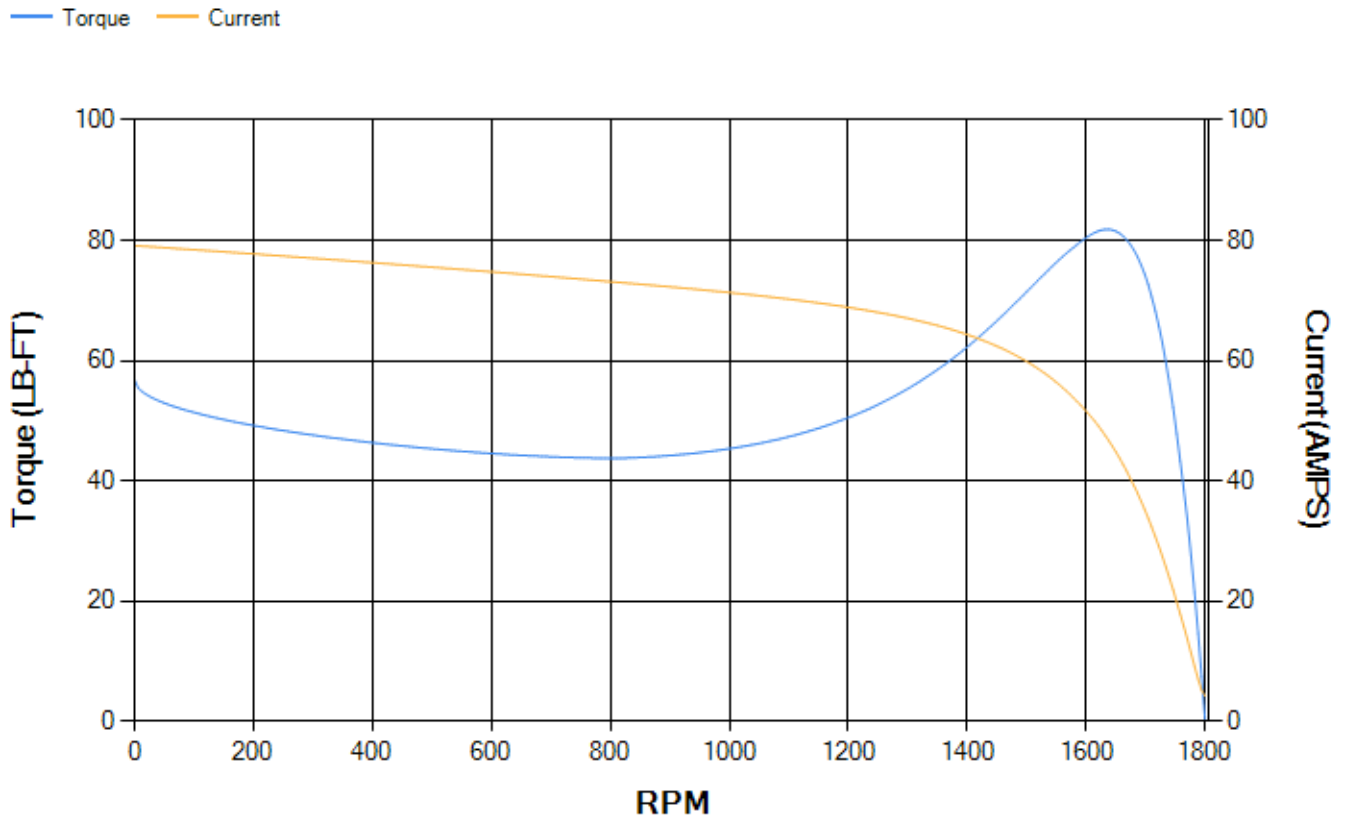
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.28	90.86	91.78	92.33	92.14	88.91	0.00
% PF	84.3	84.26	83.65	80.56	72.36	51.45	5.88
AMPS	15.37	14.06	12.19	9.44	7.02	5.11	4.18

TORQ(FL)#FT	29.72	TORQ(LR)%FL	190.92	TORQ(BD)%FL	273.59
AMPS(LR)	79.12	PF AT START	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 338 Lb-Ft Sq (14.23 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 46 seconds. Safe stall time at 100% voltage is 102 seconds cold, 68 seconds hot. Rotor inertia is 1.12 Lb-Ft Sq (0.05 Kg-meter Sq).

Open Circuit A-C:	0.421	Short Circuit D-C:	0.013
Short Circuit A-C:	0.02	X/R Ratio:	4.867
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6006RF1	4004D5282SJ1
Bearing	235A2507EB01	235A2503AE01
Slinger/Inproseal	4002B5914GF3	4002B5914AG3

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G01
Fan Cover	4003C5521BN-G01

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5721PA-G01

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

