



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

March 18, 2022

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

Model Number:	5KS215SAA300D1
Catalog Number:	M9952
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG1
Outline Drawing:	4002B5821PBP5820

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:	5KS215SAA300D1	Estimated Weight:	220 Lbs
Outline Drawing:	4002B5821PBP5820	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG1	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	21BD3104A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	215TC	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	6	Nominal Efficiency:	89.5 %
Output Power:	5HP 3.7KW	Guaranteed Efficiency:	88.5 %
RPM:	1175	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	J
Hertz:	60	Max KVAR:	2.3
Amps - FL:	6.9	Power Factor:	76.0
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:5KS215SAA300D1 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 -40C <= 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:

6P - T EXTN
STANDARD FLOOR MOUNT
C/BOX 55 CU IN-1.00 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
GROUND SCREW ON FRAME
ROTATE D.E. E/SHIELD 90 DEG. PER OUTLINE
SHAFT RUNOUT LIMIT .001" TIR
OIL RESISTANT SLEEVING ON LEADS



Performance Characteristics

1st Winding 1st Connection

Design: 21BD3104A

Marks:

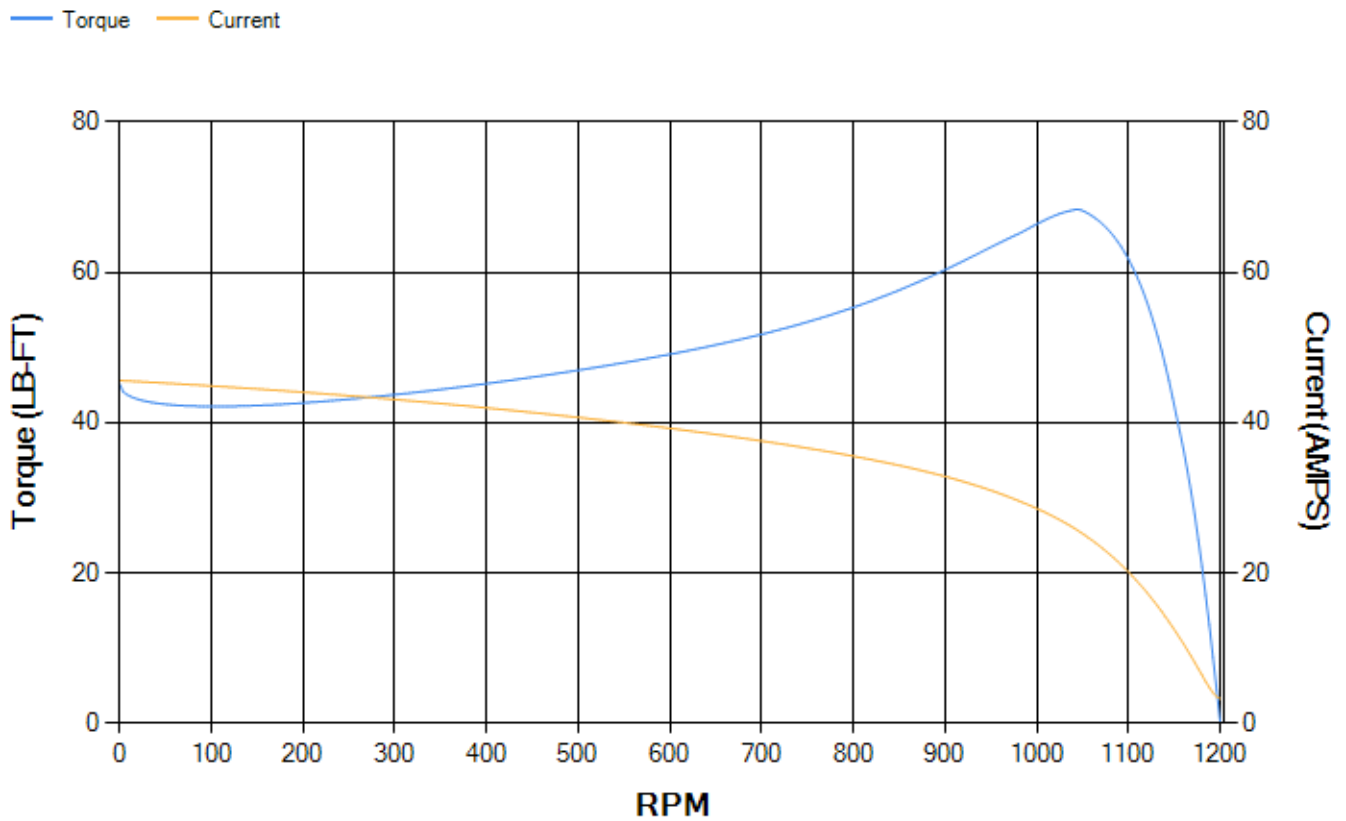
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	88.56	89.18	90.13	90.63	90.16	85.86	0.00
% PF	78.62	77.8	75.87	69.97	58.49	37.45	4.98
AMPS	8.4	7.76	6.84	5.53	4.44	3.64	3.26

TORQ(FL)#FT	22.38	TORQ(LR)%FL	201.85	TORQ(BD)%FL	302.74
AMPS(LR)	45.61	PF AT START	0.46		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 575 Lb-Ft Sq (24.21 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 52 seconds. Safe stall time at 100% voltage is 115 seconds cold, 83 seconds hot. Rotor inertia is 0.9 Lb-Ft Sq (0.04 Kg-meter Sq).

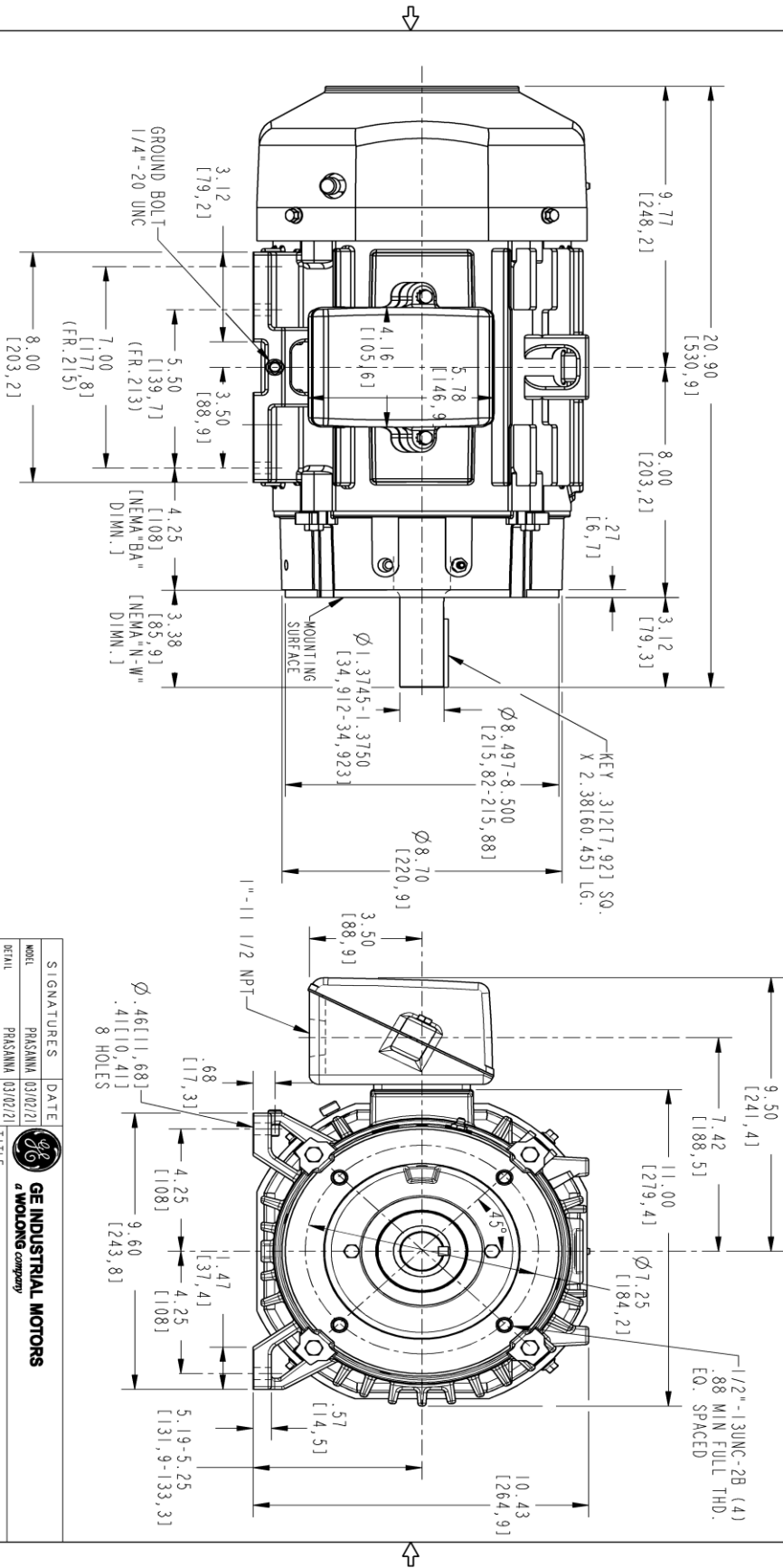
Open Circuit A-C:	0.236	Short Circuit D-C:	0.01
Short Circuit A-C:	0.014	X/R Ratio:	3.662
Stator Slots:	36	Rotor Slots:	44

Speed Torque Current Curve (First Connection, First Speed)



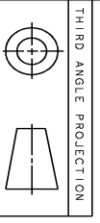
Marks:

- NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN OR TO EITHER SIDE.
- NOTE 2: F1 ASSEMBLY AS SHOWN.
- NOTE 3: MOUNTING SURFACES WILL BE SQUARE AND CONCENTRIC WITH SHAFT WITHIN .004 T.I.R.
- NOTE 4: D.E. ENDSHIELD ROTATED 90° COUNTER CLOCKWISE.
- NOTE 5: ALL DIMENSIONS ARE IN INCHES, BRACKETED DIMENSIONS ARE IN METRIC (MILLIMETERS)



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REV.	DESCRIPTION	DATE	APPROVED



THIRD ANGLE PROJECTION

SIGNATURES	DATE	 GE INDUSTRIAL MOTORS <i>a Wolog company</i> INDUCTION MOTOR OUTLINE XSD ULTRA, "C" FACE AT DE (85° RABBIT) FR. 23TC/25 TC TERC. GROUND PAD 4002B5821PBP5820
MODEL	PRASMANA 03/02/21	
DETAIL	PRASMANA 03/02/21	
CREATED	RAGHU 03/02/21	
CHKD	PRASMANA 03/02/21	
QUALITY		
ISSUED	PRASMANA 03/02/21	
SOLID MODEL:	4002B5821PBP5820	SCALE: 0.300
REV	B	REF. No.: 4002B5821PBP5311
SHEET	1	SHEET 1

Marks:

Connection Diagram
GEM2034E-FIG1



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6006YB1	4004D5282SJ1
Bearing	235A2607AA01	235A2603AA01
Slinger/Inproseal	149C4399G02	149C4399G01

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G01
Fan Cover	4003C5787PA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

