



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

April 24, 2021

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

Model Number:	5KS213SAA100D1
Catalog Number:	M9949
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:	5KS213SAA100D1	Estimated Weight:	200 Lbs
Outline Drawing:	4002B5821PBP5820	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG1	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	21BD0225A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	213TC	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	89.5 %
Output Power:	7.5HP 5.6KW	Guaranteed Efficiency:	88.5 %
RPM:	3535	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	H
Hertz:	60	Max KVAR:	2.3
Amps - FL:	9.1	Power Factor:	86.5
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:5KS213SAA100D1 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:

2P - 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: 21BD0225A

Marks:

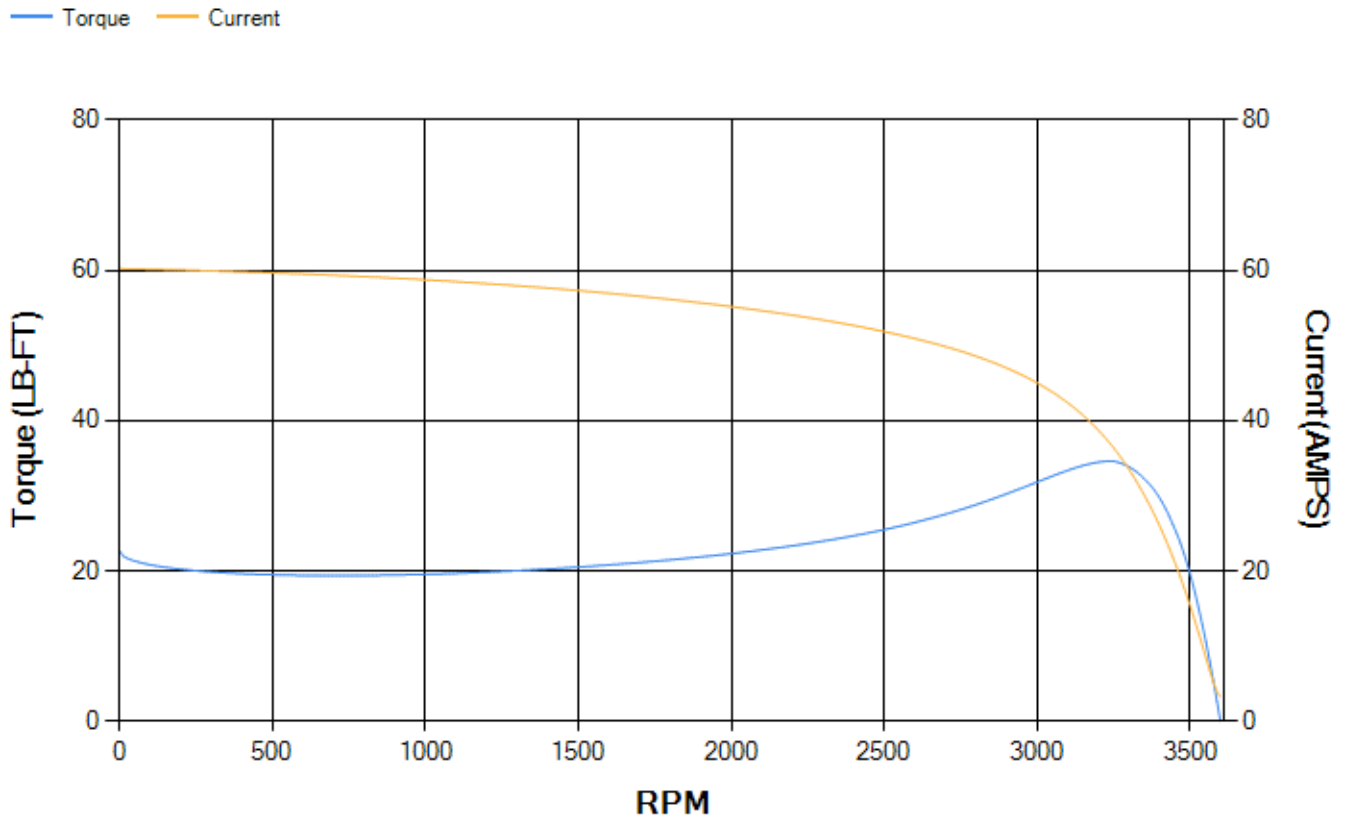
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	88.69	89.16	89.91	90.08	89.17	83.96	0.00
% PF	87.94	87.53	86.44	82.69	73.94	52.88	8.85
AMPS	11.25	10.34	9.02	7.07	5.32	3.95	3.25

TORQ(FL)#FT	11.15	TORQ(LR)%FL	203.68	TORQ(BD)%FL	308.31
AMPS(LR)	60.24	PF AT START	0.36		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 80 Lb-Ft Sq (3.37 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 47 seconds. Safe stall time at 100% voltage is 82 seconds cold, 58 seconds hot. Rotor inertia is 0.31 Lb-Ft Sq (0.01 Kg-meter Sq).

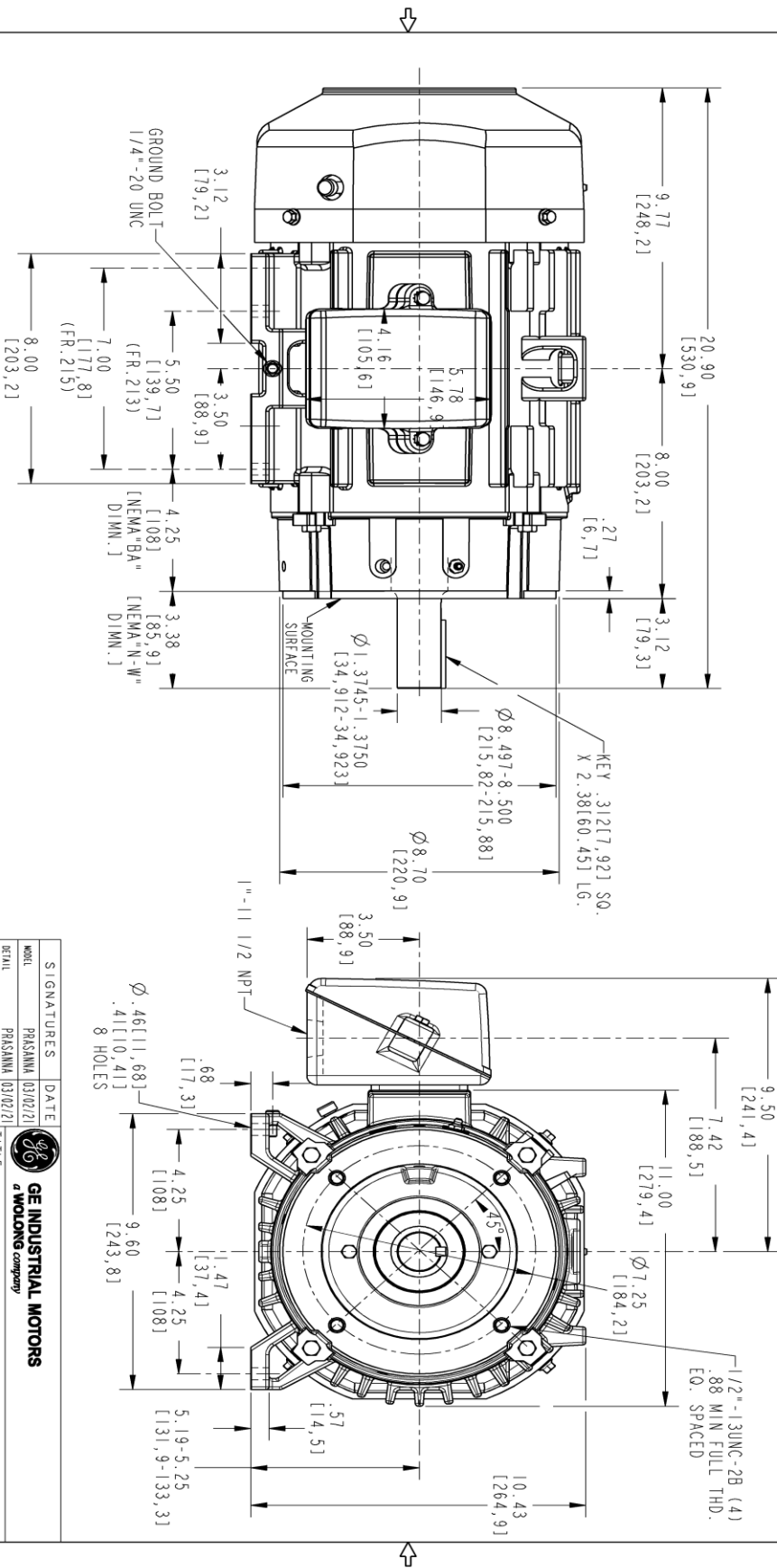
Open Circuit A-C:	0.387	Short Circuit D-C:	0.01
Short Circuit A-C:	0.018	X/R Ratio:	3.797
Stator Slots:	36	Rotor Slots:	26

Speed Torque Current Curve (First Connection, First Speed)



Marks:

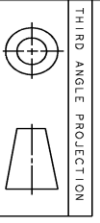
- NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN OR TO EITHER SIDE.
- NOTE 2: F1 ASSEMBLY AS SHOWN.
- NOTE 3: MOUNTING SURFACES WILL BE SQUARE AND CONCENTRIC WITH SHAFT WITHIN .004 T.I.R.
- NOTE 4: D.E. ENDSHIELD ROTATED 90° COUNTER CLOCKWISE.
- NOTE 5: ALL DIMENSIONS ARE IN INCHES, BRACKETED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



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REV.	DESCRIPTION	DATE	APPROVED

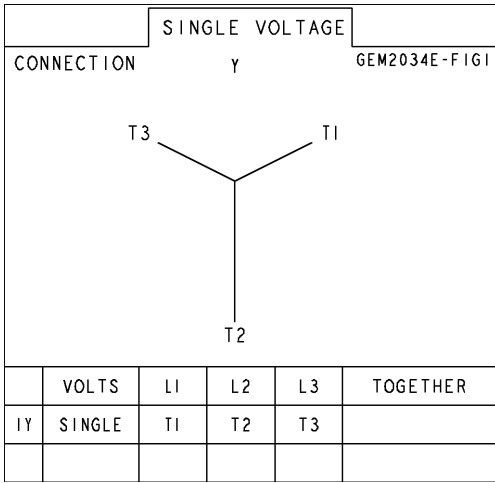
SIZE	DRAWING NO.	REV	SHEET
B	4002B5821PBP5820	000	1



SIGNATURES	DATE	GE INDUSTRIAL MOTORS a Wolog company
MODEL PRASMANA	03/02/21	INDUCTION MOTOR OUTLINE XSD ULTRA, "C" FACE AT DE (85° RABEET) FR. 23TC/25 TC TERC. GROUND PAD
DETAIL PRASMANA	03/02/21	
CHECKED RAGHU	03/02/21	
ENGR PRASMANA	03/02/21	
DATE	03/02/21	
ISSUED PRASMANA	03/02/21	SCALE: 0.300 REF. No.: 4002B5821PBP5311
SOLID MODEL: 4002B5821PBP5820		4002B5821PBP5820 REV 000

Marks:

Connection Diagram
GEM2034E-FIG1



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6006YB1	4004D5282SJ1
Bearing	235A2507EB01	235A2503AE01
Slinger/Inproseal	149C4399G02	149C4399G01

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6704G01
Fan Cover	4003C5787PA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

