GE INDUSTRIAL MOTORS
a WOLONG company

Product Technical Information

April 20, 2021

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

Model Number:	**5KS213XAA2074D**
Catalog Number:	**M9548**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	4002B5821PBP5463

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:	**5KS213XAA2074D**	**Estimated Weight:**	200 Lbs
Outline Drawing:	4002B5821PBP5463	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	841
Design Code:	21BD1269B	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	213TC	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	4	**Nominal Efficiency:**	91.7 %
Output Power:	7.5HP 5.6KW	**Guaranteed Efficiency:**	91.0 %
RPM:	1775	**3/4 Load Efficiency:**	--
Voltage:	575	**KVA Code:**	H
Hertz:	60	**Max KVAR:**	2.3
Amps - FL:	7.3	**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:5KS213XAA2074D 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 3-60HZ, CHP 60-90HZ.

Additional Information:

4P - 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
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: 21BD1269B**

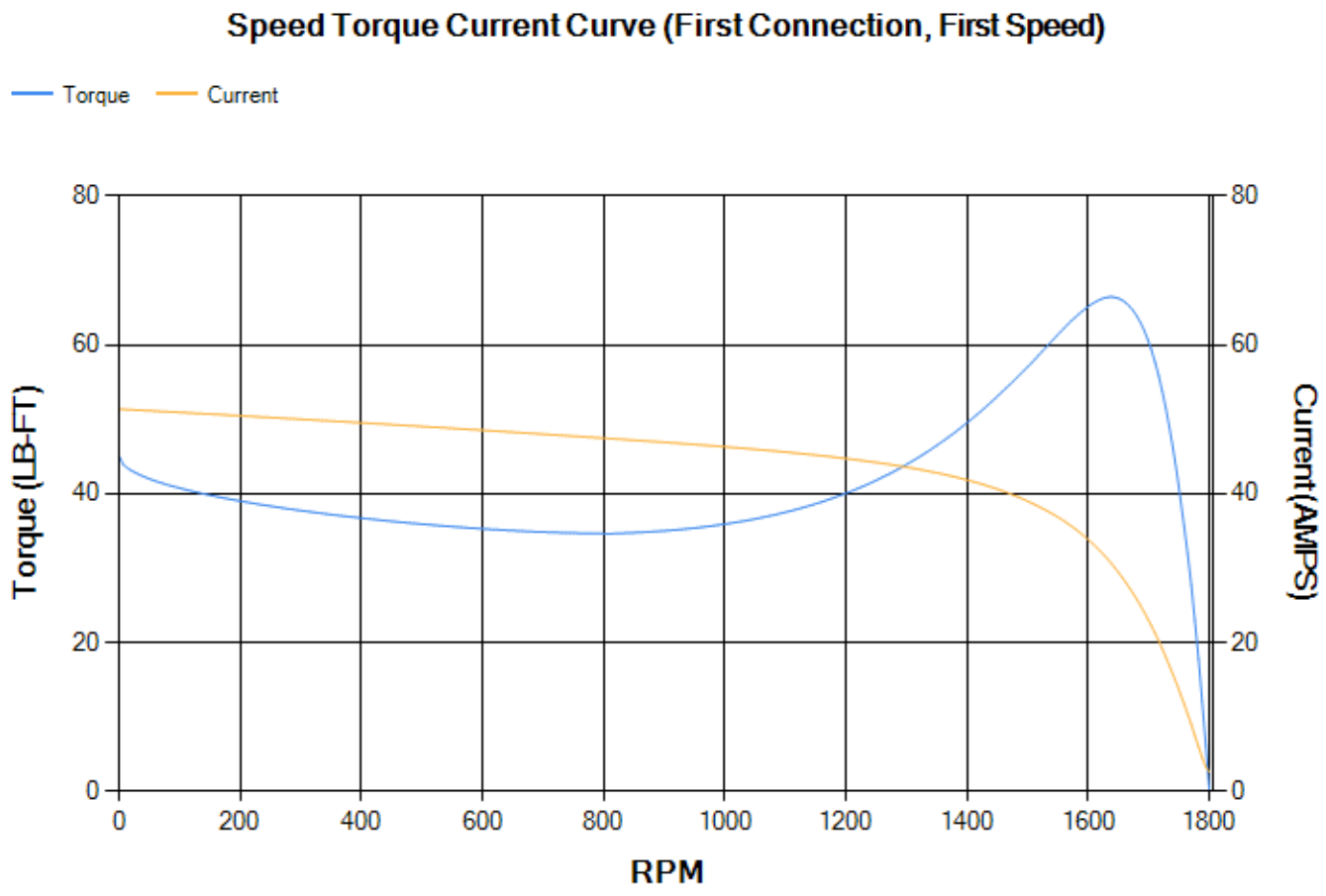
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.28	91.67	92.35	92.51	91.88	87.91	0.00
% PF	84.84	84.58	83.7	80.19	71.6	50.66	6.53
AMPS	9.07	8.33	7.27	5.68	4.27	3.15	2.59

TORQ(FL)#FT	22.21	**TORQ(LR)%FL**	202.68	**TORQ(BD)%FL**	297.36
AMPS(LR)	51.38	**PF AT START**	0.39		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 361 Lb-Ft Sq (15.2 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 61 seconds. Safe stall time at 100% voltage is 135 seconds cold, 103 seconds hot. Rotor inertia is 1.12 Lb-Ft Sq (0.05 Kg-meter Sq).

Open Circuit A-C:	0.484	**Short Circuit D-C:**	0.014
Short Circuit A-C:	0.022	**X/R Ratio:**	5.348
Stator Slots:	36	**Rotor Slots:**	28



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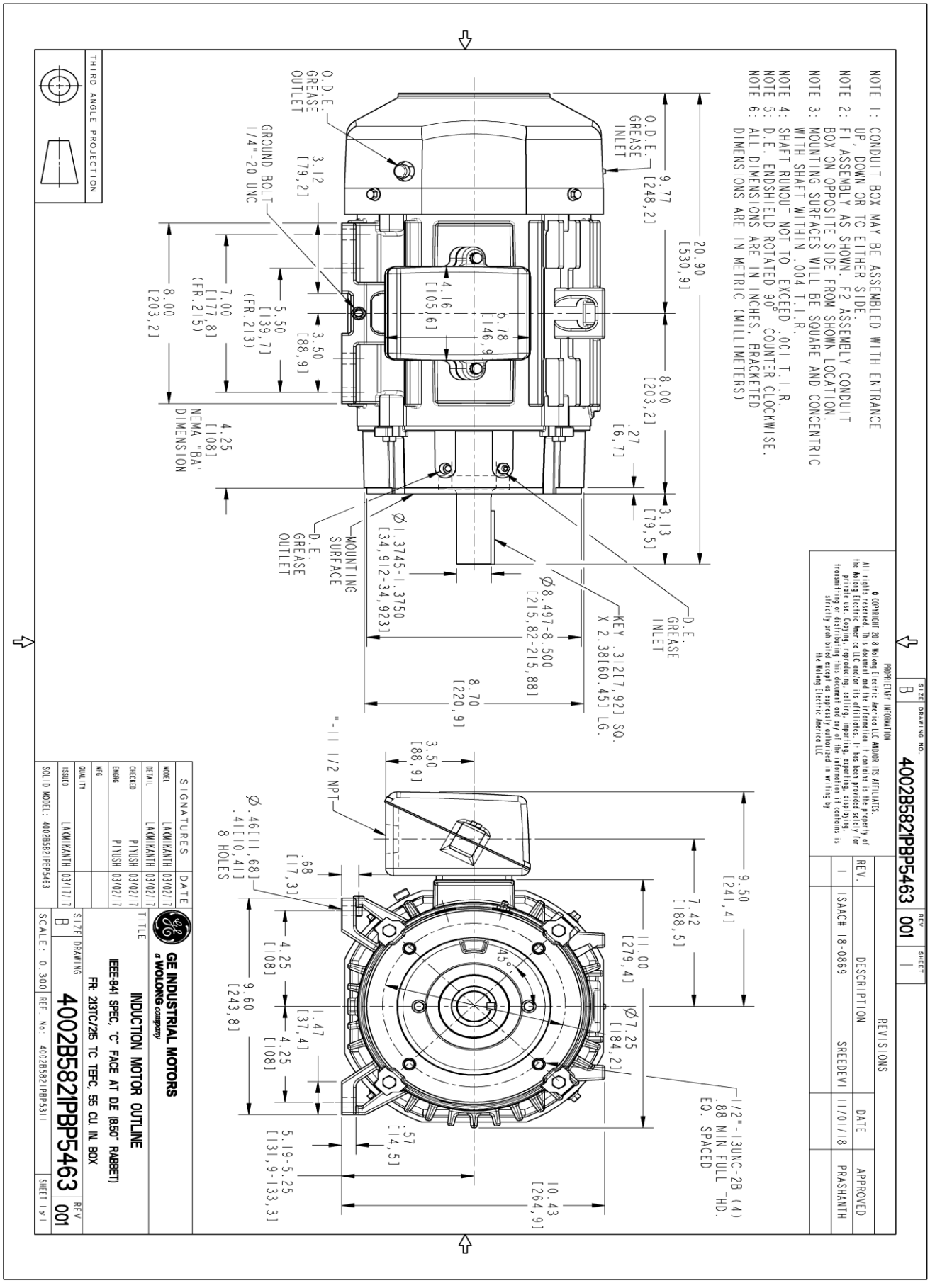
NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN OR TO EITHER SIDE.
NOTE 2: F1 ASSEMBLY AS SHOWN. F2 ASSEMBLY CONDUIT BOX ON OPPOSITE SIDE FROM SHOWN LOCATION.
NOTE 3: MOUNTING SURFACES WILL BE SQUARE AND CONCENTRIC WITH SHAFT WITHIN .004 T.I.R.
NOTE 4: SHAFT RUNOUT NOT TO EXCEED .001 T.I.R.
NOTE 5: D.E. ENDSHIELD ROTATED 90° COUNTER CLOCKWISE.
NOTE 6: ALL DIMENSIONS ARE IN INCHES, BRACKETED DIMENSIONS ARE IN METRIC (MILLIMETERS)
PROPRIETARY INFORMATION
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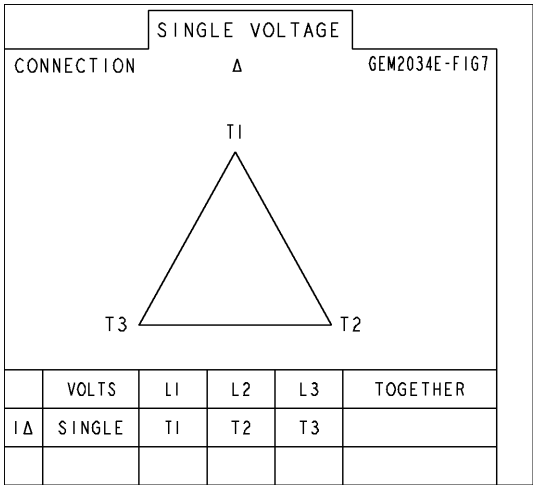
SIZE B DRAWING NO. 4002B5821PBP5463 REV 001 SHEET 1
REVISIONS
REV. DESCRIPTION DATE APPROVED
1 ISAAC# 18-0869 SREEDEVI 11/01/18 PRASHANTH
O.D.E. GREASE OUTLET
GROUND BOLT 1/4"-20 UNC
O.D.E. GREASE INLET
D.E. GREASE INLET
KEY .312[7,92] SQ. X 2.38[60.45] LG.
MOUNTING SURFACE
D.E. GREASE OUTLET
NEMA "BA" DIMENSION
1"-11 1/2 NPT
.46[11,68] .41[10,41] 8 HOLES
45°
1/2"-13UNC-2B (4) .88 MIN FULL THD. EQ. SPACED
THIRD ANGLE PROJECTION
SIGNATURES
MODEL LAXMIKANTH 03/02/17
DETAIL LAXMIKANTH 03/02/17
CHECKED PIYUSH 03/02/17
ENGRG PIYUSH 03/02/17
MFG
QUALITY
ISSUED LAXMIKANTH 03/17/17
SOLID MODEL: 4002B5821PBP5463
GE INDUSTRIAL MOTORS a WOLONG company
TITLE
INDUCTION MOTOR OUTLINE
IEEE-841 SPEC, "C" FACE AT DE (8.50" RABBET)
FR: 213TC/215 TC TEFC, 55 CU. IN. BOX
SIZE B DRAWING 4002B5821PBP5463 REV 001
SCALE: 0.300 REF. No: 4002B5821PBP5311
SHEET 1 of 1

Marks:

Connection Diagram

GEM2034E-FIG7



	VOLTS	L1	L2	L3	TOGETHER
1Δ	SINGLE	T1	T2	T3	

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	4003C5787PA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	