



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

June 24, 2020

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

Model Number:	5KS184XAA1044C
Catalog Number:	M9545
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG1
Outline Drawing:	4002B5818PBP5311

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:	5KS184XAA1044C	Estimated Weight:	101 Lbs
Outline Drawing:	4002B5818PBP5311	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG1	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	841
Design Code:	18BD0103B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	184TC	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	88.5 %
Output Power:	5HP 3.7KW	Guaranteed Efficiency:	87.5 %
RPM:	3530	3/4 Load Efficiency:	89.2 %
Voltage:	575	KVA Code:	J
Hertz:	60	Max KVAR:	1.9
Amps - FL:	5.3	Power Factor:	80.5
Service Factor:	1.15	Bearing - DE:	6307ZC3
Alt Service Factor:	--	Bearing - ODE:	6206ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
 DE BRG 35BC03JP30 ODE BRG 30BC02JP30
 STAMP NP249A5564P051 AS BELOW:
 MODEL:5KS184XAA1044C S/N: XXX
 CSA CERTIFIED CSA09.2216219 FOR EX NA IIC 200 C GC
 CL1 ZONE2 AEXNAIIC 200C FOR CL1DIV2 GRP ABCD 200C
 IN -25C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
 SURF TEMP 200 C AT 1.15 SF ON SINE-WAVE PWR
 OR 200 C VT OR 215 C CT OR 200 C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0 SF 40 C 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
INPRO SEAL BOTH ENDS
GROUND SCREW ON FRAME
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: 18BD0103B

Marks:

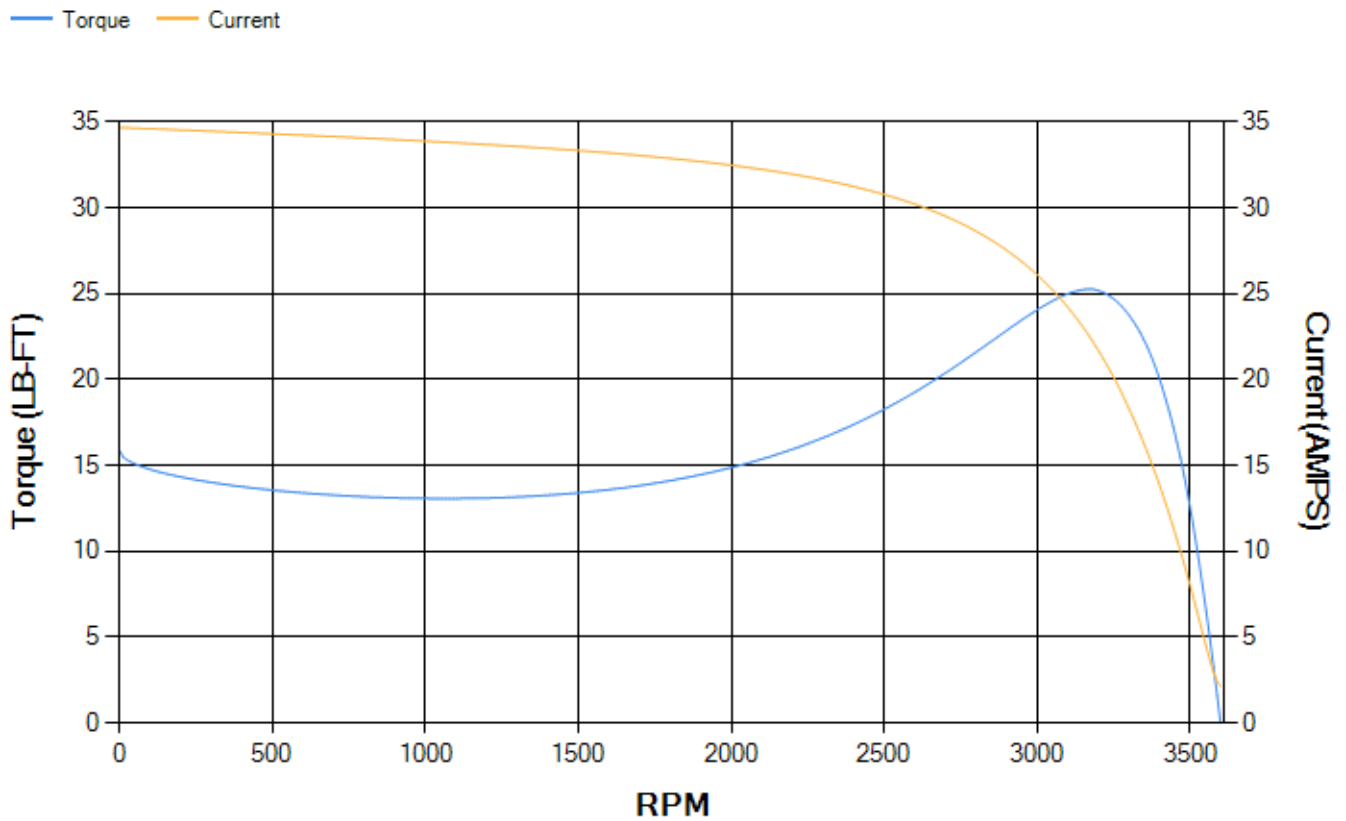
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	88.48	88.83	89.39	89.19	87.72	81.32	0.00
% PF	82.98	82.02	83.74	74.07	62.7	41.42	8.87
AMPS	6.37	5.91	5	4.25	3.4	2.78	2.15

TORQ(FL)#FT	7.44	TORQ(LR)%FL	213.64	TORQ(BD)%FL	337.23
AMPS(LR)	34.69	PF AT START	0.41		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 44 Lb-Ft Sq (1.85 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 37 seconds. Safe stall time at 100% voltage is 78 seconds cold, 55 seconds hot. Rotor inertia is 0.15 Lb-Ft Sq (0.01 Kg-meter Sq).

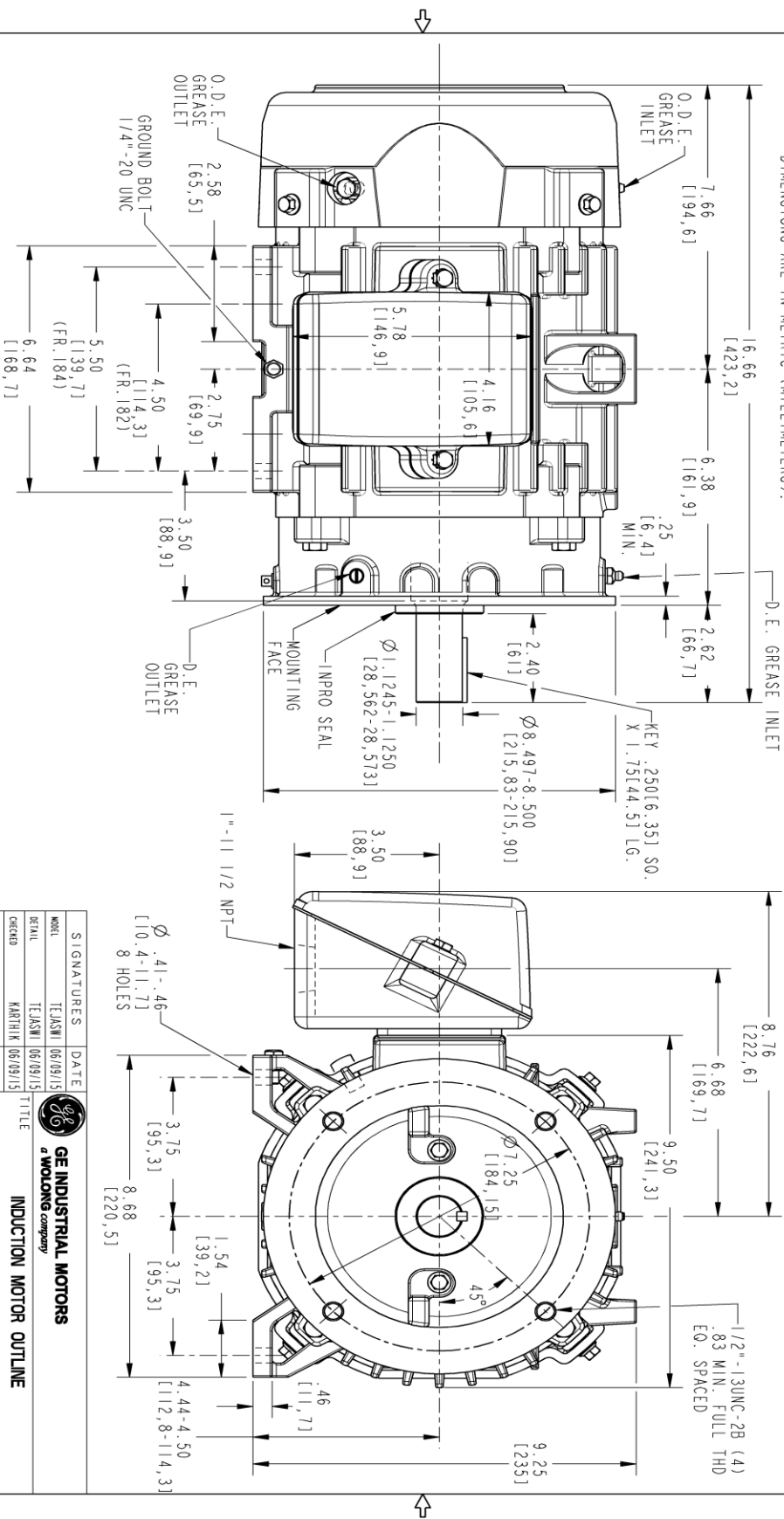
Open Circuit A-C:	0.297	Short Circuit D-C:	0.01
Short Circuit A-C:	0.017	X/R Ratio:	3.892
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



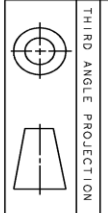
Marks:

NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP OR DOWN.
 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 WILL NOT EXCEED .001 T.I.R.
 NOTE 5: ALL DIMENSIONS ARE IN INCHES, BRACKETED DIMENSIONS ARE IN METRIC (MILLIMETERS).



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REV.	DESCRIPTION	DATE	APPROVED
1	ISAC# 18-0869	SREDEV1 10/26/18	PRASHANTH



SIGNATURES	DATE	TITLE
TEJASNI	06/09/15	INDUCTION MOTOR OUTLINE
TEJASNI	06/09/15	
KARTHIK	06/09/15	
VENKAT	06/09/15	

GE INDUSTRIAL MOTORS
 a WOLONG company

IEEE-841 SPEC, "C" FACE AT DE (185° RABBIT)
 FR182/184 TC TERC

4002B5818BP5311

SCALE: 0.400 REF. No.: 4002B5818BP5311

ISSUED	SIZE	SCALE	REF. No.
TEJASNI	B	0.400	4002B5818BP5311

Marks:

Connection Diagram
GEM2034E-FIG1



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	4004D5286PE1	4004D5281SG1
Bearing	235A2501AE01	235A2502AM01
Slinger/Inproseal	316A5384AJ1	4002B5914AG2

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	4001A5914AM-G01
Fan Cover	4003C5786PA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

