

Product Information Packet

May 26, 2017

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

Model Number:	5KS365XAJ5408A
Catalog Number:	V4821
Instruction Manual:	GEK-95351
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	148CB36INHNBCLA0001

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04
Spare parts	05



Marks:

MODEL NUMBER:	5KS365XAJ5408A	Estimated Weight:	1450 Lbs
Outline Drawing:	148CB36INHNBCLA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	841
Design Code:	36BD0118AA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L365VP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	94.1 %
Output Power:	75HP 55.5KW	Guaranteed Efficiency:	93.0
RPM:	3575	3/4 Load Efficiency:	95.0
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	20.8
Amps - FL:	86.2	Power Factor:	86.5
Service Factor:	1.15	Bearing - DE:	6213C3
Alt Service Factor:	--	Bearing - ODE:	235A2523AD01

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

EXCEPTIONS TO IEEE-STD-841-2009:
 ALUMINIUM FAN BACK PLATE
 VERTICAL 841
 DE BRG 65BC02J30, ODE BRG 100BT02MD00
 INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
 VAR TORQUE RANGE 0-60 HZ
 GE SELF DECLARED CLASS I DIV 2 MOTOR
 MAX EXPOSED INTERNAL AND EXTERNAL SURFACE
 TEMPERATURES UNDER USUAL SERVICE CONDITIONS
 AT 1.00 S.F. DO NOT EXCEED 200 DEG C
 API 610 12TH EDITION SHAFT DIMENSIONS

Additional Information:

2 POLE, VERT SOLID SHAFT HIGH THRUST (1D)
 PAINTED FRAME ID & SHAFT,
 FAN COVER INSIDE & ODE E/S OUTSIDE
 346 CU IN - 3.00" NPT
 BEARING LIFE 8760 HRS AT 4363 LB THRUST
 BEARING LIFE 26280 HRS AT 2965 LB THRUST
 INPRO SEAL LOWER END
 OIL RESISTANT SLEEVING ON LEADS
 ROUTINE TEST REPORT AND 5 POINT VIBRATION TEST
 REPORT INCLUDED IN C/B
 COPPER WASHER UNDER HEADS OF BEARING CAP BOLTS,
 APPLY TITE-SEAL (A50CD427A) ON BEARING CAP SCREWS,
 RABBETS AND PLUG THREADS.

STAINLESS STEEL T-DRAINS
FRAME GROUND PAD
ACTUAL EFFICIENCY = 94.1%
RCF: 2760 CPM AT C/BOX SIDE, 2760 CPM AT
90 DEG FROM C/ BOX SIDE
CG: 17.65 IN FROM P-BASE FACE

Performance Characteristics

1st Winding 1st Connection

Design: 36BD0118AA

Marks:

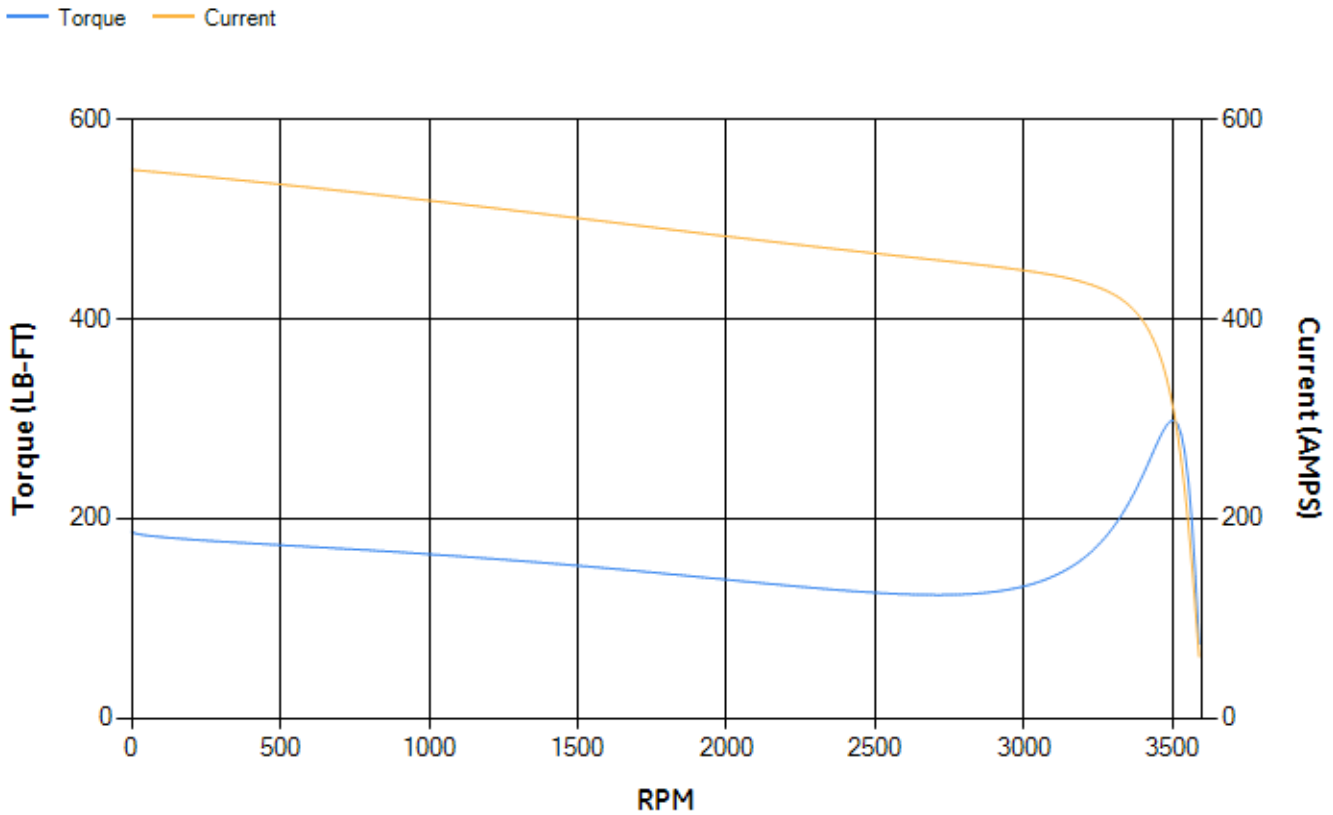
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.77	93.9	94.2	93.8	92.67	88.22	0.00
% PF	87.92	87.63	86.78	83.59	75.65	54.94	7.04
AMPS	106.43	98.1	85.68	67.15	50.06	36.21	28.99

TORQ(FL)#FT	110.15	TORQ(LR)%FL	169.71	TORQ(BD)%FL	270.59
AMPS(LR)	549.47	PF AT START	0.33		

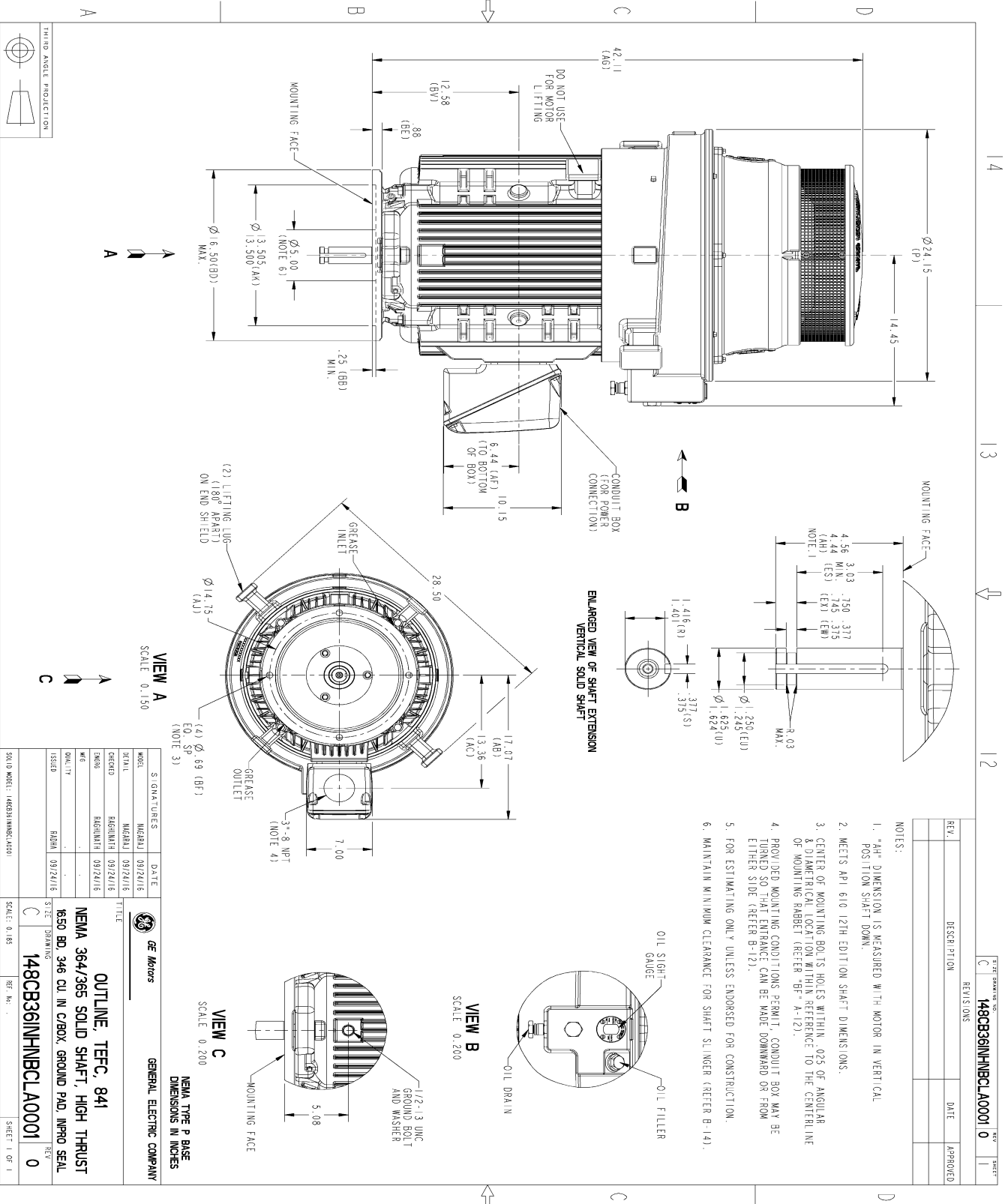
This motor is capable of two cold or one hot start with a maximum connected load inertia of 191 Lb-Ft Sq (8.04 Kg-meter Sq) at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 19 seconds. Safe stall time at 100% voltage is 40 seconds cold, 23 seconds hot. Rotor inertia is 9.07 Lb-Ft Sq (0.38 Kg-meter Sq).

Open Circuit A-C:	1.094	Short Circuit D-C:	0.023
Short Circuit A-C:	0.053	X/R Ratio:	8.663
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:



STANDARD NO. 148CB365INHBCLA0001 0 REV 1 SHEET 1

REV. DESCRIPTION DATE APPROVED

- NOTES:
- "AH" DIMENSION IS MEASURED WITH MOTOR IN VERTICAL POSITION SHAFT DOWN.
 - MEETS API 610 12TH EDITION SHAFT DIMENSIONS.
 - CENTER OF MOUNTING BOLTS HOLES WITHIN .025 OF ANGULAR 8. DIAMETER LOCATION WITHIN REFERENCE TO THE CENTERLINE OF MOUNTING HUBSET (REFER BF-A-12).
 - PROVIDED MOUNTING CONDITIONS PERMIT, CONDUIT BOX MAY BE TURNED SO THAT ENTRANCE CAN BE MADE DOWNWARD OR FROM EITHER SIDE (REFER B-12).
 - FOR ESTIMATING ONLY UNLESS ENDORSED FOR CONSTRUCTION.
 - MAINTAIN MINIMUM CLEARANCE FOR SHAFT SLINGER (REFER B-14).

SCALE: 0.150

VIEW A

SIGNATURES	DATE
MODEL: MGRBJ 09172416	
SCALE: 0.150	
DATE: 09/24/16	
DESIGN: MGRBJ 09172416	
DRAWN: MGRBJ 09172416	
CHECKED: MGRBJ 09172416	
APPROVED: MGRBJ 09172416	
REV: 0	

GENERAL ELECTRIC COMPANY

OUTLINE, TERC, 841

NEMA 364/365 SOLID SHAFT, HIGH THRUST

1850 BD, 346 CU, IN C/BOX, GROUND PAD, IMPRO SEAL

148CB365INHBCLA0001

SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E8258AC1	115E8259LA1
Bearing	235A2517AA01	235A2523AD01
Slinger/Inproseal	235A4575GE10	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	153B1884G01
Fan Cover	128D6844AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	149C4429AA2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

