

Product Information Packet

May 26, 2017

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

Model Number:	5KS364XAJ6408A
Catalog Number:	V4820
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		

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Marks:

MODEL NUMBER:	5KS364XAJ6408A	Estimated Weight:	1230 Lbs
Outline Drawing:	148CB36INHNBCLA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	841
Design Code:	36BD1188AA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L364VP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	95.0 %
Output Power:	60HP 44.4KW	Guaranteed Efficiency:	94.5
RPM:	1780	3/4 Load Efficiency:	95.2
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	20.9
Amps - FL:	71.7	Power Factor:	82.5
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:

4 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 5473 LB THRUST
 BEARING LIFE 26280 HRS AT 3711 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 = 94.5%
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: 36BD1188AA

Marks:

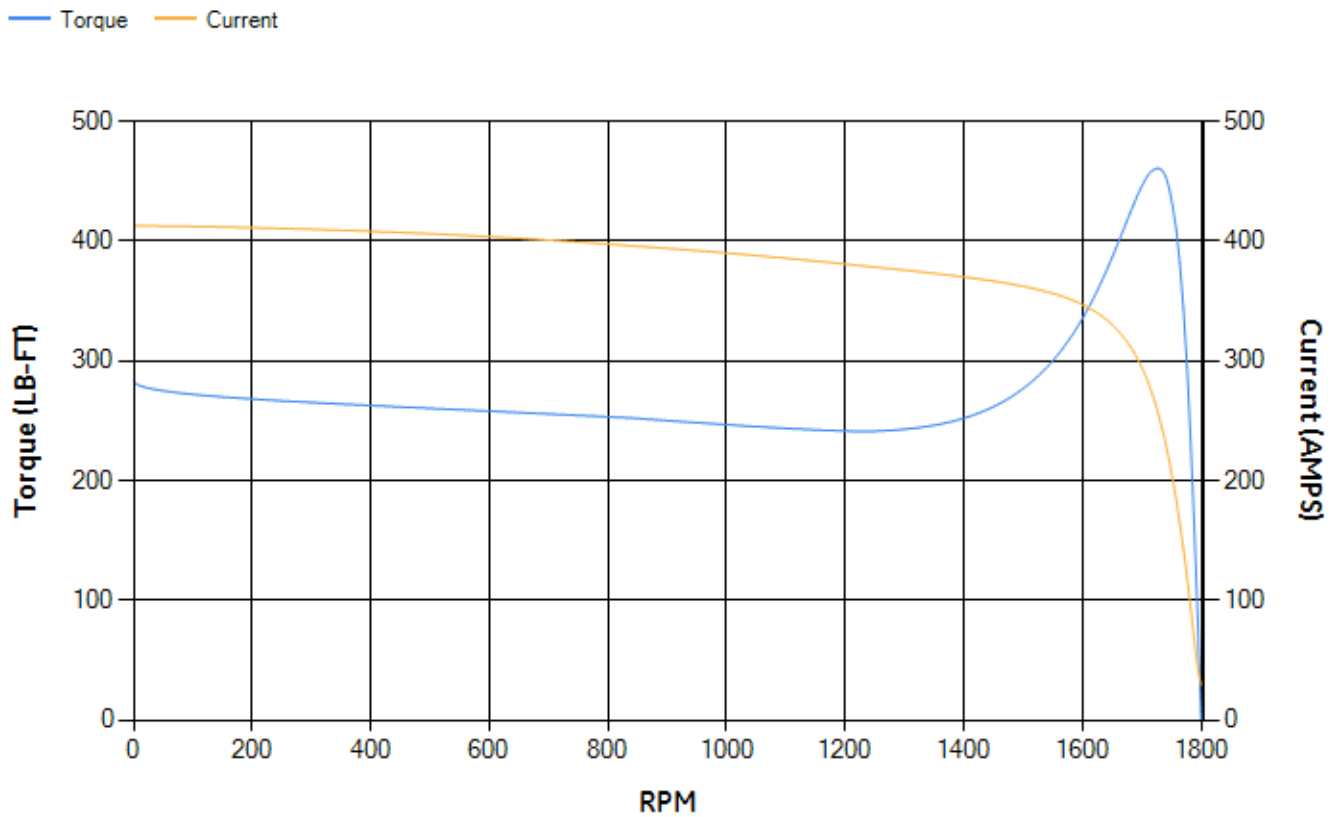
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.08	94.3	94.76	94.71	94.15	91.08	0.00
% PF	84.36	83.8	82.42	77.87	67.76	45.38	3.87
AMPS	88.45	81.72	71.72	57.11	44.01	33.96	29.16

TORQ(FL)#FT	176.82	TORQ(LR)%FL	160.17	TORQ(BD)%FL	259.97
AMPS(LR)	412.9	PF AT START	0.31		

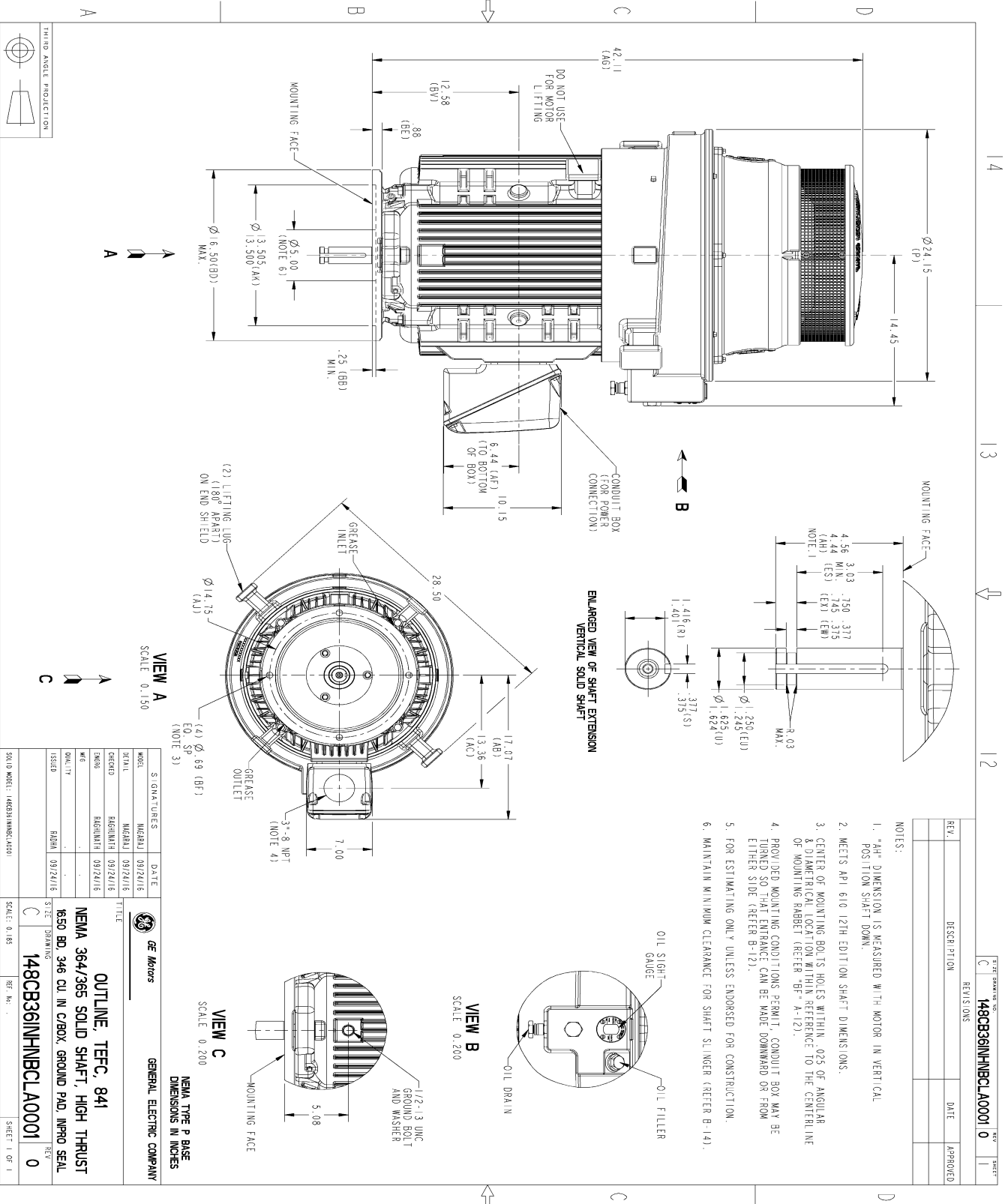
This motor is capable of two cold or one hot start with a maximum connected load inertia of 1181 Lb-Ft Sq (49.72 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 32 seconds. Safe stall time at 100% voltage is 76 seconds cold, 39 seconds hot. Rotor inertia is 12.22 Lb-Ft Sq (0.51 Kg-meter Sq).

Open Circuit A-C:	0.6	Short Circuit D-C:	0.024
Short Circuit A-C:	0.035	X/R Ratio:	9.195
Stator Slots:	60	Rotor Slots:	50

Speed Torque Current Curve (First Connection, First Speed)



Marks:



REV.	DESCRIPTION	DATE	APPROVED

- NOTES:
- "A" 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 & 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).

VIEW A
SCALE 0.150

ENLARGED VIEW OF SHAFT EXTENSION
VERTICAL SOLID SHAFT

VIEW B
SCALE 0.200

VIEW C
SCALE 0.200

MODEL	MGRBJ	DATE	
STYL	MGRBJ	09/22/16	
CHKD	RAGNATH	09/22/16	
ENGR	RAGNATH	09/22/16	
WRT			
DRWLT			
ISSD	BDM	09/22/16	

GENERAL ELECTRIC COMPANY

OUTLINE, TERC, 841

NEMA 364/365 SOLID SHAFT, HIGH THRUST

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

148CB361NHBCLA0001

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	153B1884G02
Fan Cover	128D6844AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	