

Product Information Packet

May 26, 2017

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

Model Number:	5KS365XAJ6408A
Catalog Number:	V4822
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:	5KS365XAJ6408A	Estimated Weight:	1350 Lbs
Outline Drawing:	148CB36INHNBCLA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	841
Design Code:	36BD1172AA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L365VP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	95.4 %
Output Power:	75HP 55.5KW	Guaranteed Efficiency:	95.0
RPM:	1780	3/4 Load Efficiency:	95.6
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	22.3
Amps - FL:	87.1	Power Factor:	84.5
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 = 95.0%
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: 36BD1172AA

Marks:

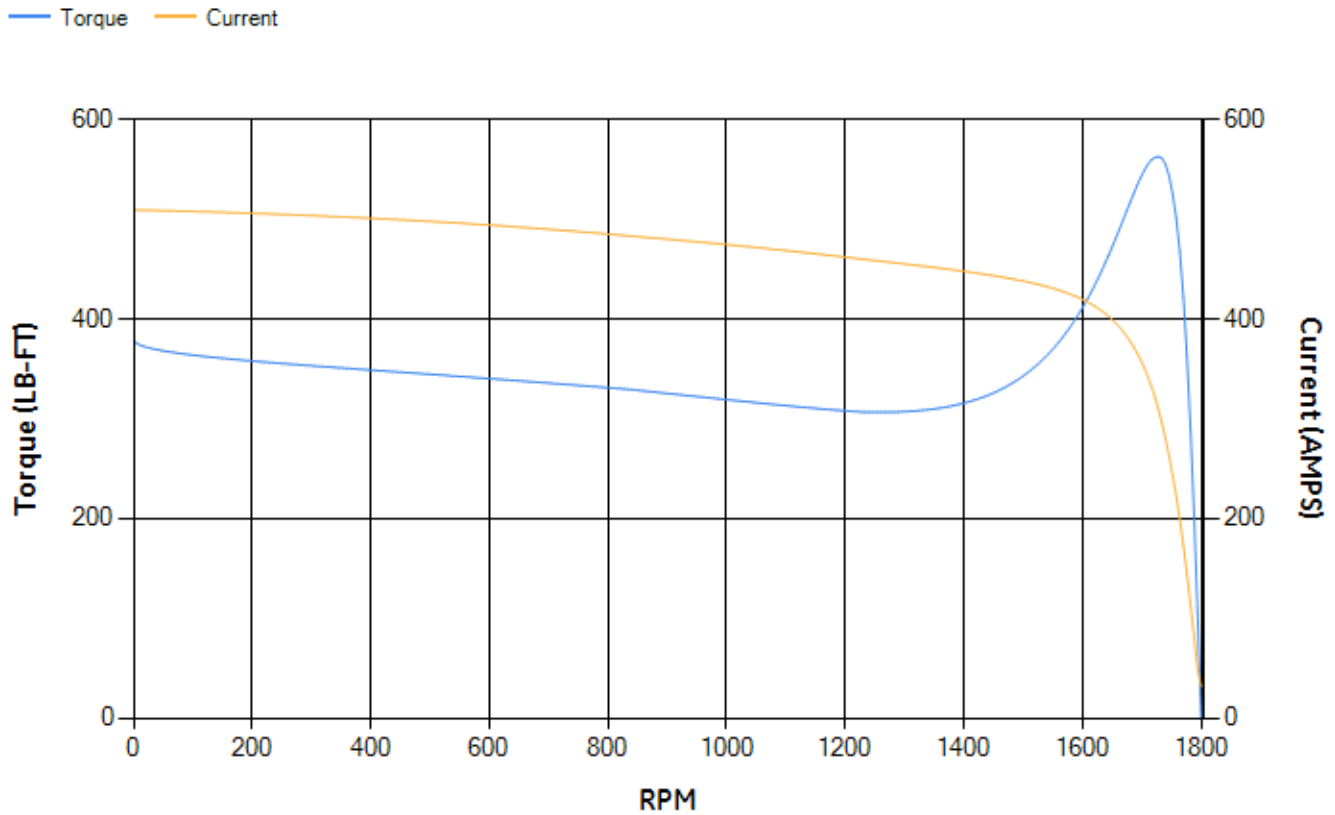
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.46	94.7	95.19	95.24	94.89	92.4	0.00
% PF	86.02	85.69	84.72	81.11	72.31	50.4	3.76
AMPS	107.99	99.48	86.84	68.15	51.15	37.68	31.12

TORQ(FL)#FT	221.09	TORQ(LR)%FL	171.4	TORQ(BD)%FL	253.81
AMPS(LR)	509.22	PF AT START	0.32		

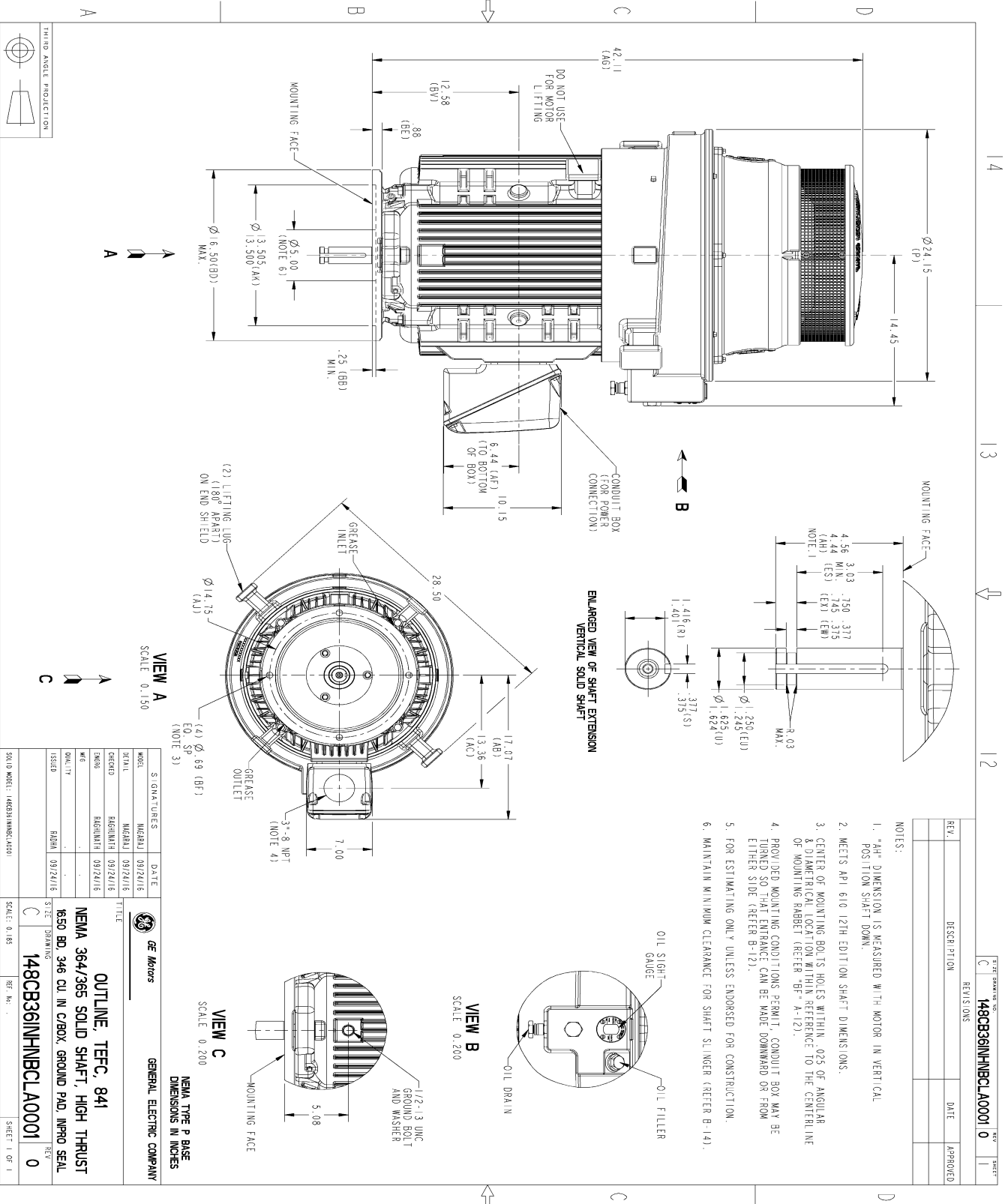
This motor is capable of two cold or one hot start with a maximum connected load inertia of 1409 Lb-Ft Sq (59.32 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 30 seconds. Safe stall time at 100% voltage is 71 seconds cold, 36 seconds hot. Rotor inertia is 16.3 Lb-Ft Sq (0.69 Kg-meter Sq).

Open Circuit A-C:	0.679	Short Circuit D-C:	0.026
Short Circuit A-C:	0.034	X/R Ratio:	9.808
Stator Slots:	60	Rotor Slots:	50

Speed Torque Current Curve (First Connection, First Speed)



Marks:



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	

