

Product Information Packet

July 2, 2017

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

Model Number:	5KS324XAJ6708A
Catalog Number:	V4802
Instruction Manual:	GEK-95351
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	148CB32IPHRBCLA0001

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:	5KS324XAJ6708A	Estimated Weight:	1047 Lbs
Outline Drawing:	148CB32IPHRBCLA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	841
Design Code:	32BD1182AD	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L324LP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	94.1 %
Output Power:	40HP 29.6KW	Guaranteed Efficiency:	93.0 %
RPM:	1780	3/4 Load Efficiency:	94.3 %
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	15.2
Amps - FL:	49.7	Power Factor:	80.0
Service Factor:	1.15	Bearing - DE:	6212C3
Alt Service Factor:	--	Bearing - ODE:	235A2523AD01

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

EXCEPTIONS TO IEEE-STD-841-2009:
ALUMINIUM FAN AND FAN BACK PLATE
VERTICAL 841
DE BRG 60BC02J30, 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
INLINE MOTOR

Additional Information:

4 POLE,VERT SOLID SHAFT INLINE (1D1U)
PAINTED FRAME ID & SHAFT,
FAN COVER INSIDE & ODE E/S OUTSIDE
346 CU IN - 3.00" NPT
BEARING LIFE 8760 HRS AT 5553 LB THRUST
BEARING LIFE 26280 HRS AT 3791 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 = 93.0%
RCF: 3210 CPM AT C/BOX SIDE, 3510 CPM AT
90 DEG FROM C/ BOX SIDE
CG: 17.55 IN FROM P-BASE FACE

Performance Characteristics

1st Winding 1st Connection

Design: 32BD1182AD

Marks:

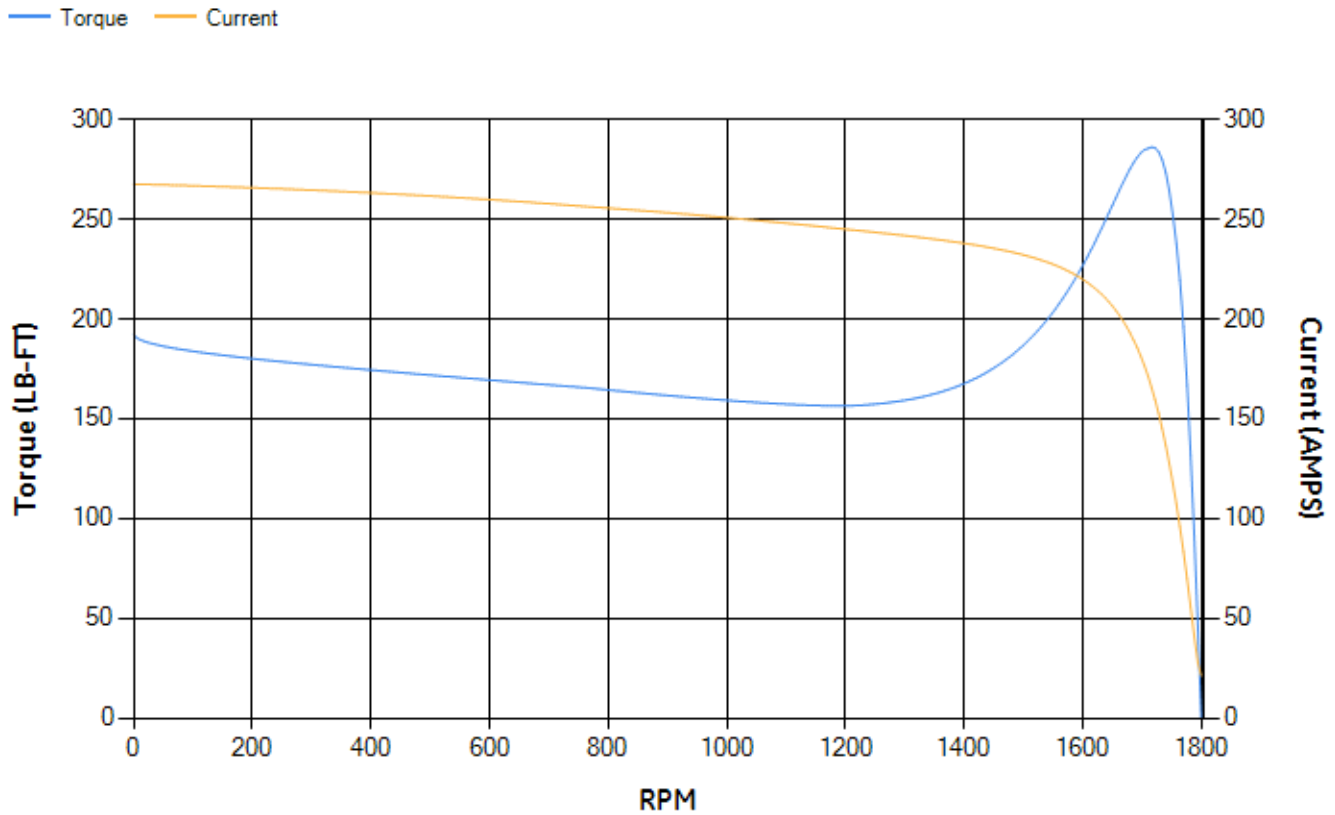
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.66	92.89	93.32	93.11	92.1	87.65	0.00
% PF	82.24	81.69	80.29	75.57	65.32	43.67	5.3
AMPS	61.41	56.74	49.84	39.9	31.11	24.45	21.15

TORQ(FL)#FT	118.12	TORQ(LR)%FL	162.84	TORQ(BD)%FL	241.27
AMPS(LR)	267.58	PF AT START	0.33		

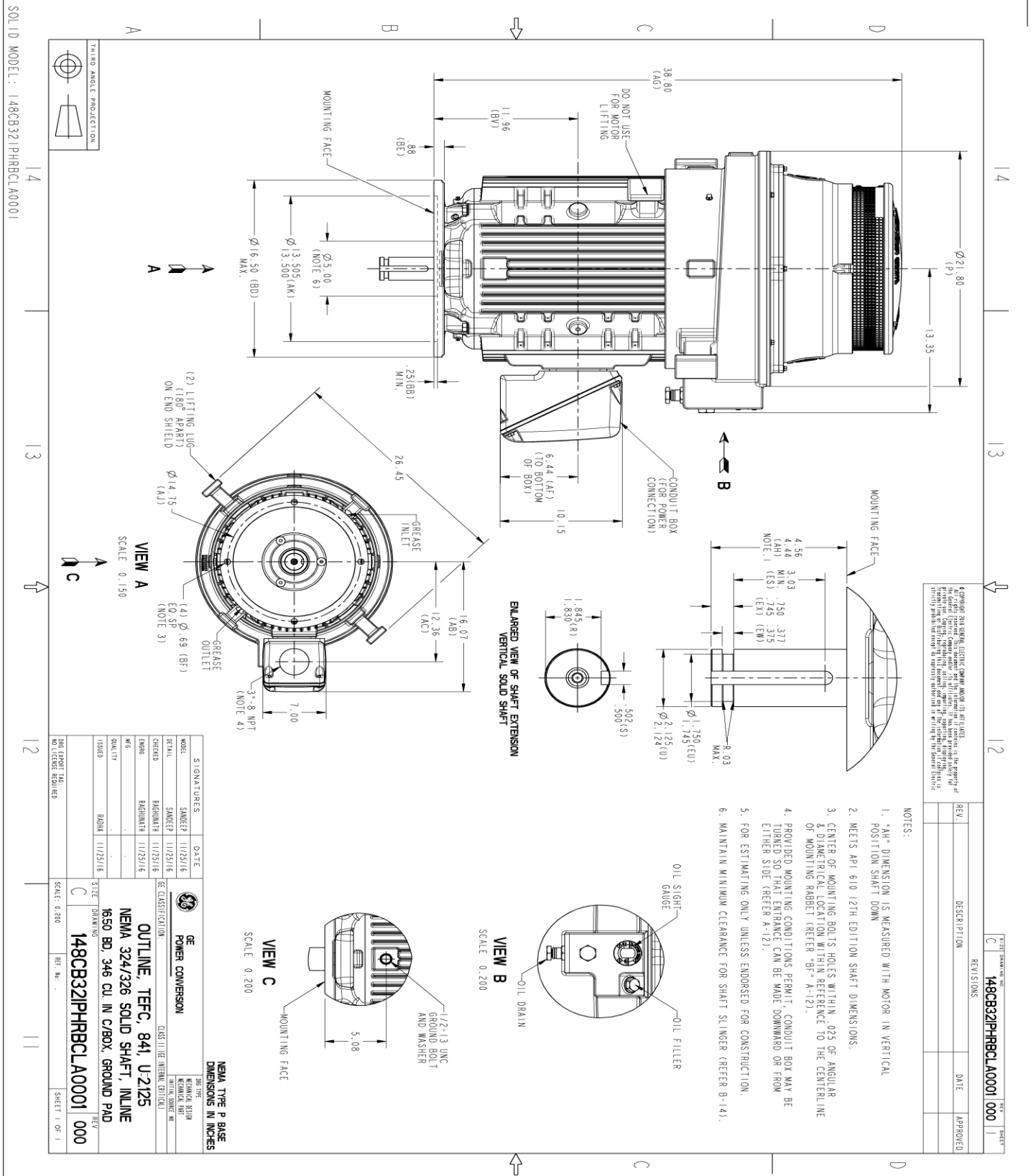
This motor is capable of two cold or one hot start with a maximum connected load inertia of 956 Lb-Ft Sq (40.25 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 40 seconds. Safe stall time at 100% voltage is 87 seconds cold, 48 seconds hot. Rotor inertia is 7.01 Lb-Ft Sq (0.3 Kg-meter Sq).

Open Circuit A-C:	0.482	Short Circuit D-C:	0.022
Short Circuit A-C:	0.032	X/R Ratio:	8.448
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:



A WARNING THAT ELECTRIC EQUIPMENT SHOULD BE KEPT OFF AND ALL parts of the equipment should be removed in a condition as the property of the manufacturer. The user is responsible for the safety of the equipment. The user should refer to the instructions for the equipment. The user should refer to the instructions for the equipment. The user should refer to the instructions for the equipment.

REV.	DESCRIPTION	DATE	APPROVED

148CB321PHRBLA0001 000

SIGNATURES		DATE	
DESIGN	SAMEEP	11/23/16	
CHECKED	RABINATH	11/23/16	
ENGINEER	RABINATH	11/23/16	
QUALITY			
ISSUED			

GE POWER CONVERSION

OUTLINE: TEFC, 841, U.2125

NEMA 324/326 SOLID SHAFT, INLINE

1650 BD. 346 CU IN C/BOX, GROUND PAD

148CB321PHRBLA0001

SCALE: 0.200

REF. No. .

SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E8205AC1	115E8208LA1
Bearing	235A2509BE01	235A2523AD01
Slinger/Inproseal	235A4575GE10	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	153B1891G02
Fan Cover	128D6846AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	