

Product Information Packet

July 2, 2017

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

Model Number:	5KS326XAJ5708A
Catalog Number:	V4803
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:	5KS326XAJ5708A	Estimated Weight:	1050 Lbs
Outline Drawing:	148CB32IPHRBCLA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	841
Design Code:	32BD0112AC	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L326LP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	93.0 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	91.7 %
RPM:	3565	3/4 Load Efficiency:	93.7 %
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	15.1
Amps - FL:	58.5	Power Factor:	86.0
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 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:

2 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 4411 LB THRUST
 BEARING LIFE 26280 HRS AT 3013 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 = 91.0%
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: 32BD0112AC

Marks:

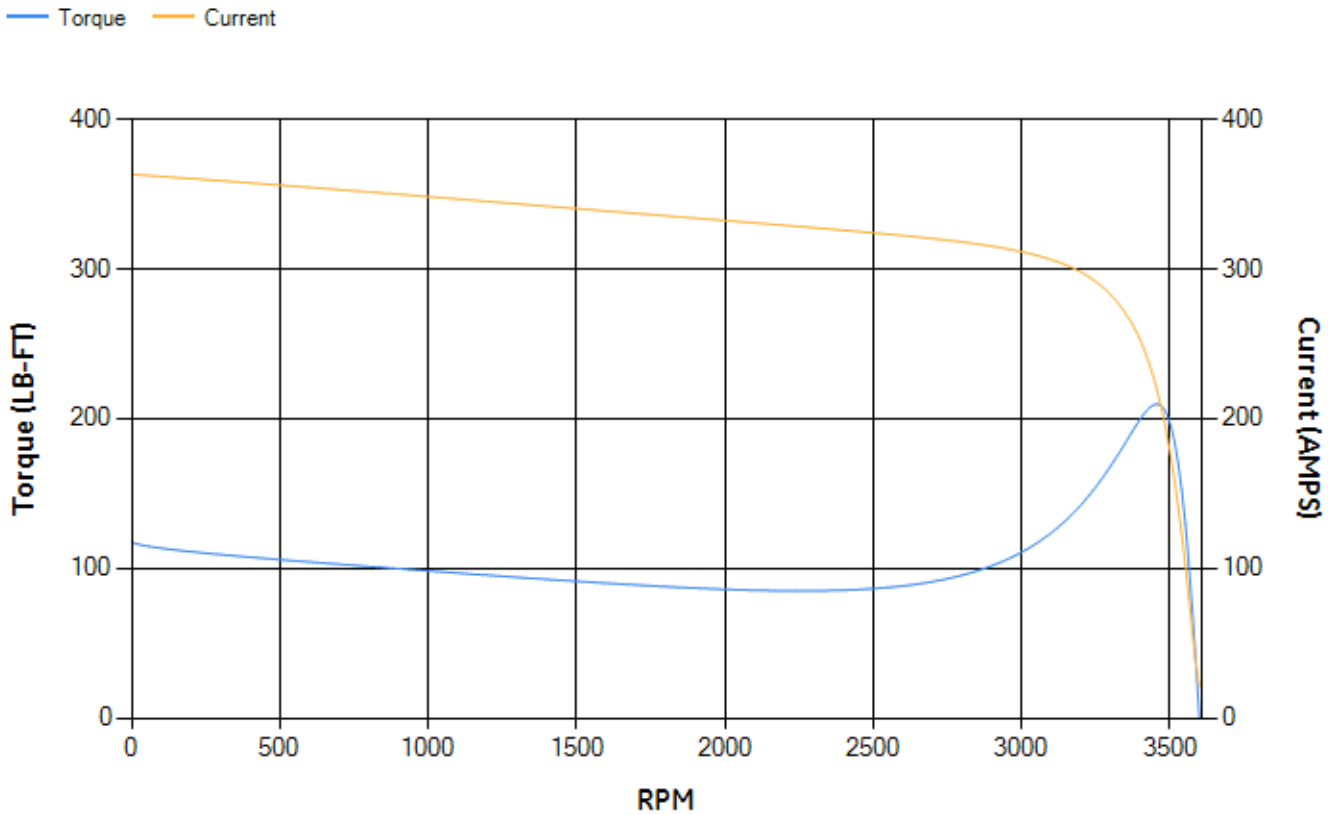
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.29	91.38	91.58	90.82	88.84	82.01	0.00
% PF	87.74	87.35	86.34	82.83	74.61	54.55	10.96
AMPS	73.03	67.42	59.09	46.66	35.3	26.15	21.1

TORQ(FL)#FT	73.64	TORQ(LR)%FL	160.33	TORQ(BD)%FL	284.59
AMPS(LR)	363.21	PF AT START	0.31		

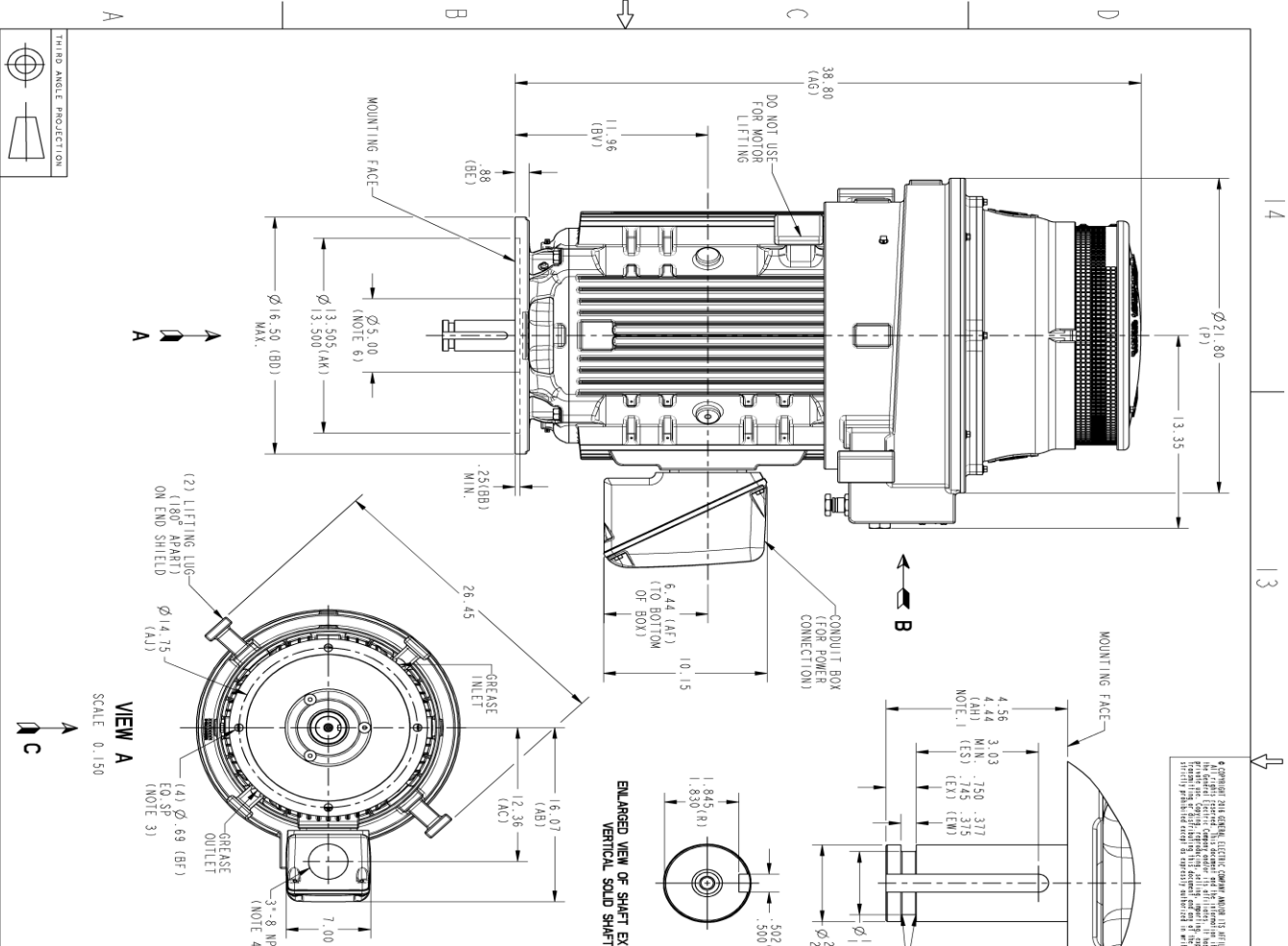
This motor is capable of two cold or one hot start with a maximum connected load inertia of 137 Lb-Ft Sq (5.77 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 20 seconds. Safe stall time at 100% voltage is 44 seconds cold, 24 seconds hot. Rotor inertia is 4.06 Lb-Ft Sq (0.17 Kg-meter Sq).

Open Circuit A-C:	0.732	Short Circuit D-C:	0.018
Short Circuit A-C:	0.04	X/R Ratio:	6.836
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:



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REV.	DESCRIPTION	DATE	APPROVED

GE
POWER CONVERSION

GE
NEMA TYPE P BASE
DIMENSIONS IN INCHES

OUTLINE: TEFC, 84L, U.2125
NEMA 324/326 SOLID SHAFT, INLINE
1650 BD, 346 CU IN C/BOX, GROUND PAD

SIGNATURES		DATE
MODEL	SAMEEP	11/23/16
DETAIL	SAMEEP	11/23/16
CHECKED	BARONATH	11/23/16
DESIGN	BARONATH	11/23/16
W/E	BARONATH	11/23/16
QUALITY	BARONATH	11/23/16
ISSUED	BARONATH	11/23/16

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	153B1891G01
Fan Cover	128D6846AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	