

Product Information Packet

July 2, 2017

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

Model Number:	5KS364XAJ5708A
Catalog Number:	V4805
Instruction Manual:	GEK-95351
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	148CB36IPHRBCLA0001

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:	5KS364XAJ5708A	Estimated Weight:	1360 Lbs
Outline Drawing:	148CB36IPHRBCLA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	841
Design Code:	36BD0117AB	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L364LP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	94.1 %
Output Power:	60HP 44.4KW	Guaranteed Efficiency:	93.0 %
RPM:	3575	3/4 Load Efficiency:	94.5 %
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	19.3
Amps - FL:	70.6	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
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 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 = 93.6%
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: 36BD0117AB

Marks:

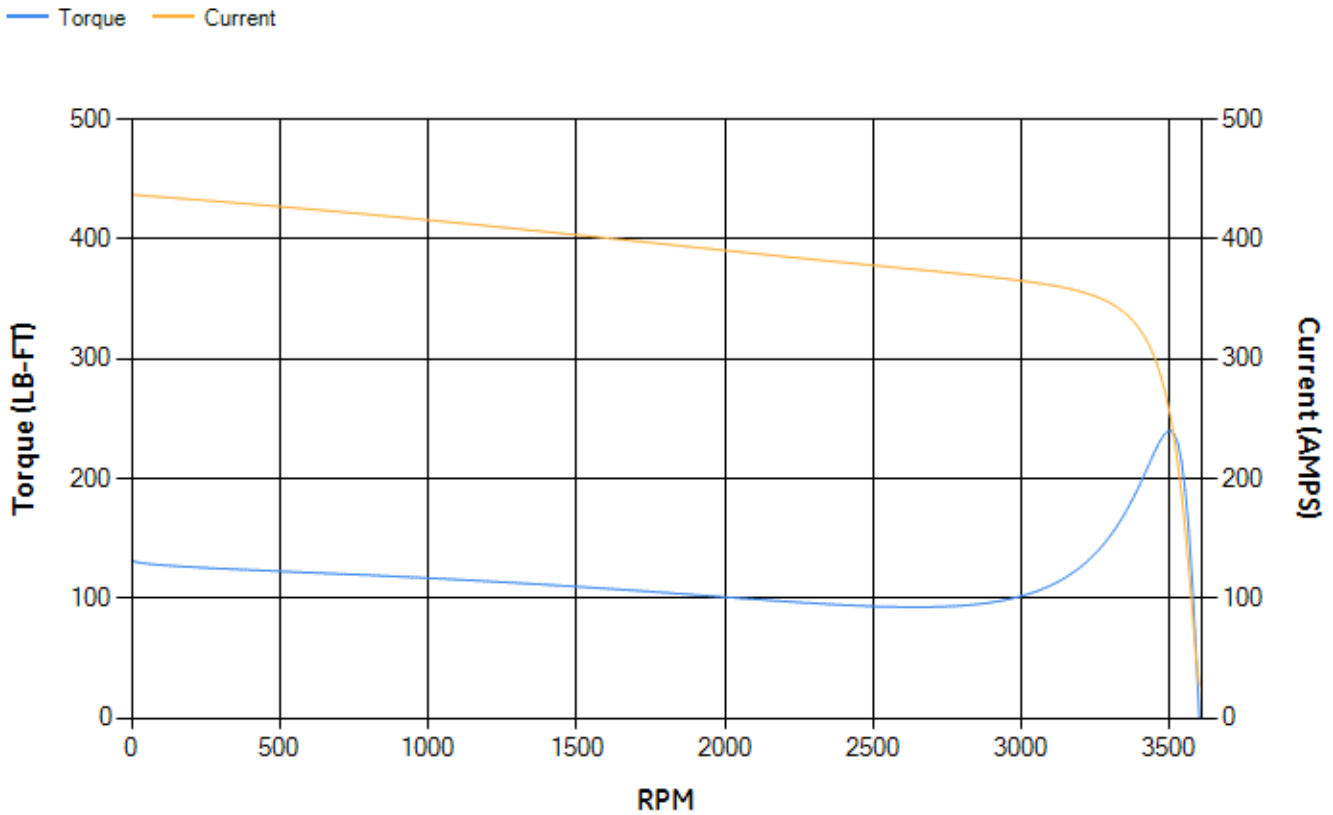
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.73	92.77	92.9	92.08	90.19	83.86	0.00
% PF	86.36	85.91	84.78	80.93	72.1	51.37	8.98
AMPS	87.66	81.03	71.11	56.52	43.18	32.59	26.86

TORQ(FL)#FT	88.1	TORQ(LR)%FL	149.71	TORQ(BD)%FL	272.02
AMPS(LR)	437.05	PF AT START	0.3		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 173 Lb-Ft Sq (7.28 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 24 seconds. Safe stall time at 100% voltage is 46 seconds cold, 29 seconds hot. Rotor inertia is 7.03 Lb-Ft Sq (0.3 Kg-meter Sq).

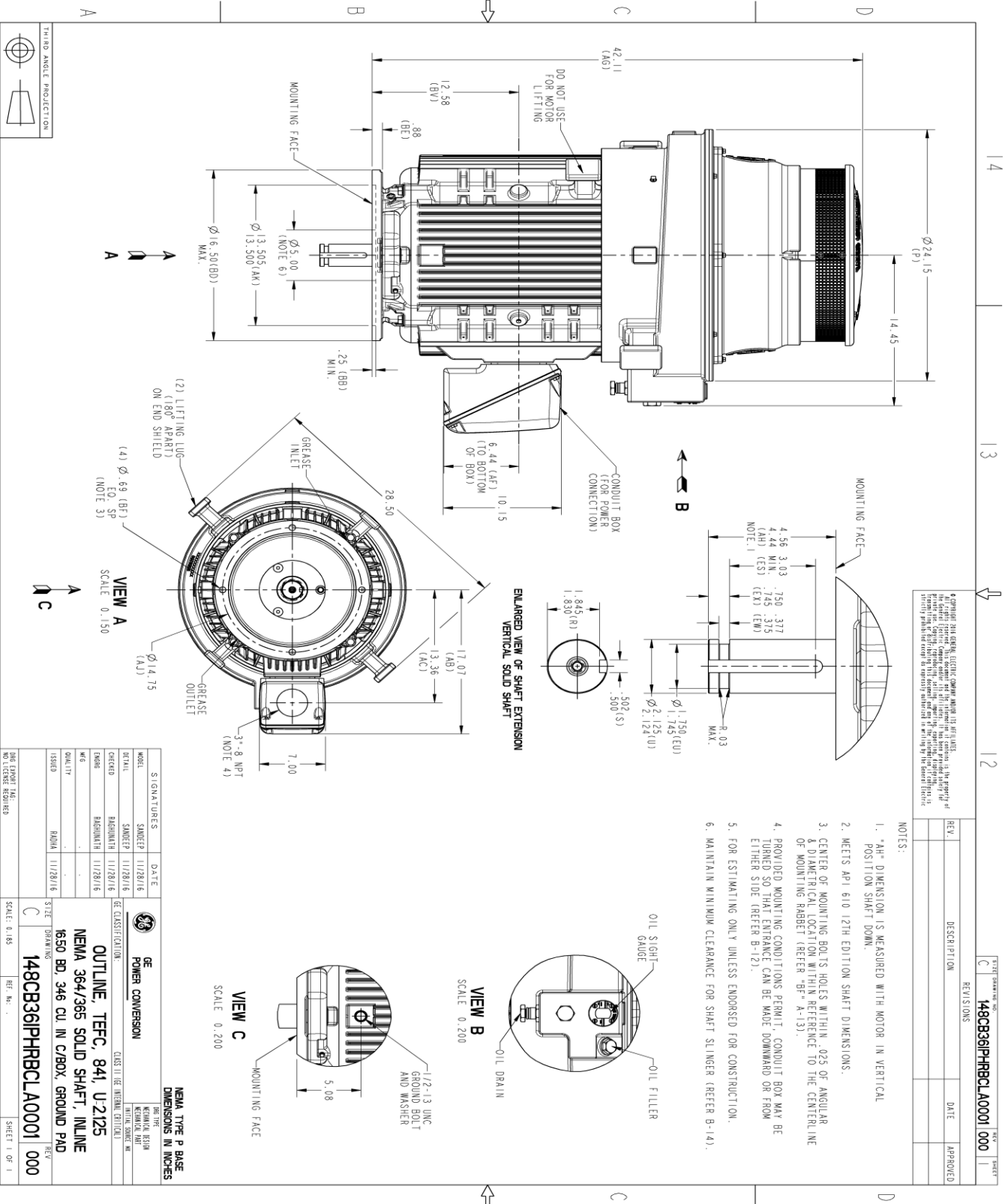
Open Circuit A-C:	0.995	Short Circuit D-C:	0.024
Short Circuit A-C:	0.057	X/R Ratio:	9.016
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

SOLID MODEL: 148CB361PHRBLA0001



ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY. DIMENSIONS IN PARENTHESES ARE NOT TO BE USED FOR MANUFACTURING. DIMENSIONS IN PARENTHESES ARE NOT TO BE USED FOR MANUFACTURING. DIMENSIONS IN PARENTHESES ARE NOT TO BE USED FOR MANUFACTURING.

NOTES:

- *AP* 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 & DIAMETRICAL LOCATION WITHIN REFERENCE TO THE CENTRAL LINE OF MOUNTING RABBET (REFER "BF" A-13).
- 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).

REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES		DATE	
DESIGNER	SMOKEY	11/28/16	
CHECKED	BARONKITH	11/28/16	
ENGINEER	BARONKITH	11/28/16	
QUALITY			
ISSUED	BDIM	11/28/16	

GE POWER CONVERSION

OUTLINE, TEFC, 841, U.2125

NEMA 364/365 SOLID SHAFT, INLINE

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

148CB361PHRBLA0001

SCALE: 0.185

REF. No.:

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	