

Product Information Packet

July 2, 2017

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

Model Number:	5KS365XAJ5708A
Catalog Number:	V4807
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:	5KS365XAJ5708A	Estimated Weight:	1450 Lbs
Outline Drawing:	148CB36IPHRBCLA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	841
Design Code:	36BD0118AB	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L365LP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	94.1 %
Output Power:	75HP 55.5KW	Guaranteed Efficiency:	93.0 %
RPM:	3575	3/4 Load Efficiency:	95.0 %
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	20.8
Amps - FL:	86.2	Power Factor:	86.5
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: 36BD0118AB

Marks:

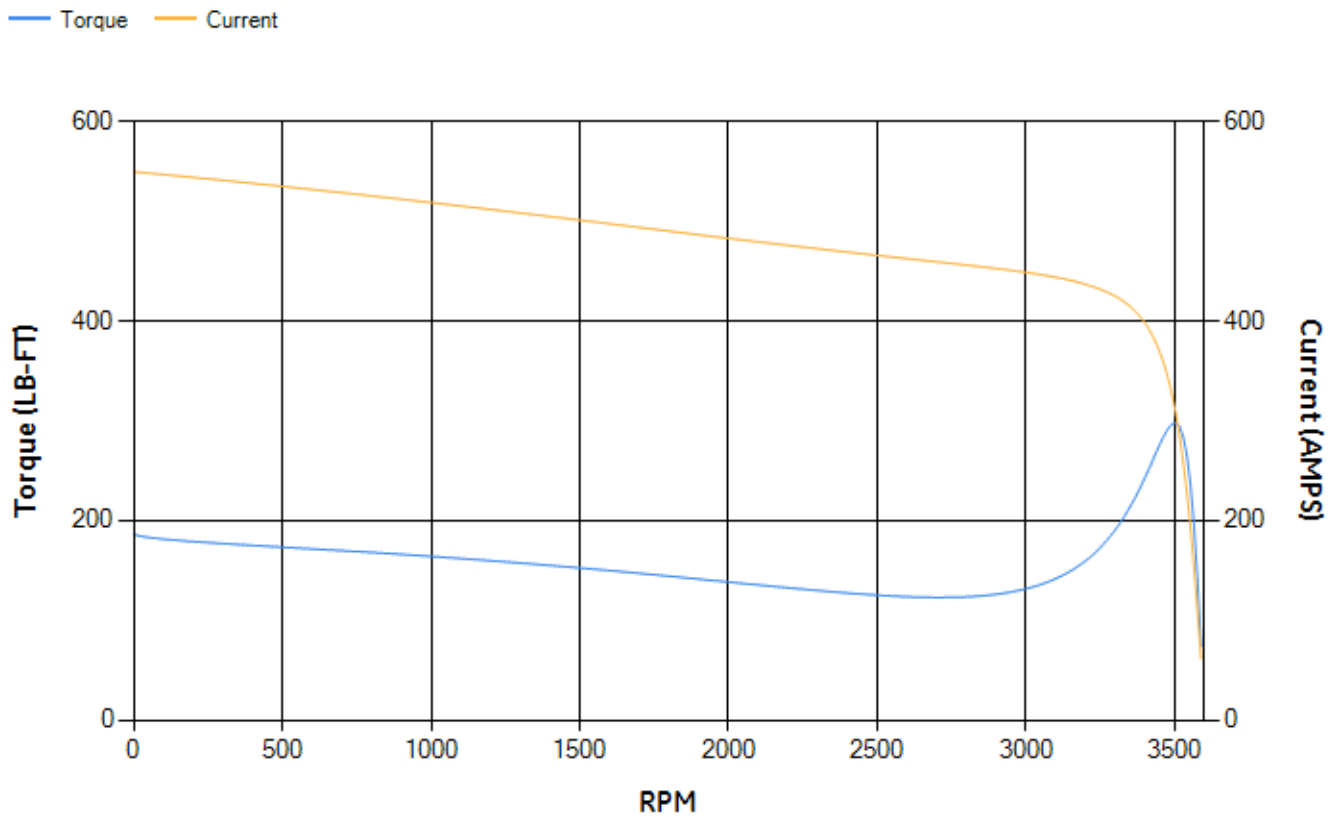
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.29	93.38	93.62	93.04	91.59	86.31	0.00
% PF	87.94	87.66	86.83	83.7	75.94	55.69	8.47
AMPS	106.95	98.61	86.15	67.6	50.46	36.51	28.99

TORQ(FL)#FT	110.15	TORQ(LR)%FL	169.7	TORQ(BD)%FL	270.01
AMPS(LR)	549.47	PF AT START	0.33		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 189 Lb-Ft Sq (7.96 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 19 seconds. Safe stall time at 100% voltage is 40 seconds cold, 23 seconds hot. Rotor inertia is 9.07 Lb-Ft Sq (0.38 Kg-meter Sq).

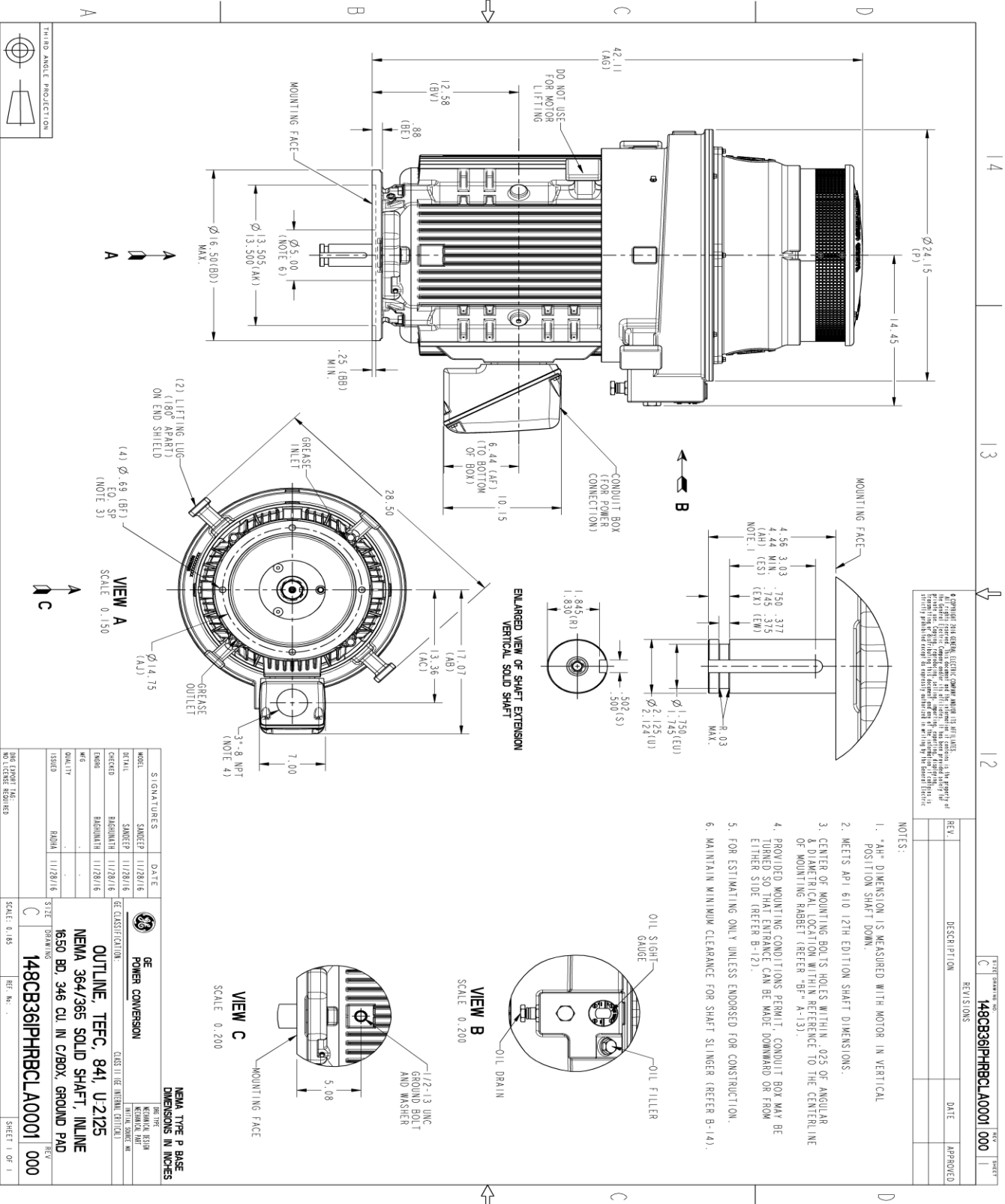
Open Circuit A-C:	1.09	Short Circuit D-C:	0.023
Short Circuit A-C:	0.053	X/R Ratio:	8.646
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

SOLID MODEL: 148CB361PHRBCLA0001



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REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES	DATE	GE POWER CONVERSION	DATE	APPROVED
DESIGNED BY: SMOEY	11/28/16	DESIGNED BY: SMOEY	11/28/16	
CHECKED BY: RABUNATH	11/28/16	CHECKED BY: RABUNATH	11/28/16	
ENGINEER BY: RABUNATH	11/28/16	ENGINEER BY: RABUNATH	11/28/16	
QUALITY BY: RABUNATH	11/28/16	QUALITY BY: RABUNATH	11/28/16	
ISSUED BY: RABUNATH	11/28/16	ISSUED BY: RABUNATH	11/28/16	

SCALE: 0.185

REF. NO.:

SHEET 1 OF 1

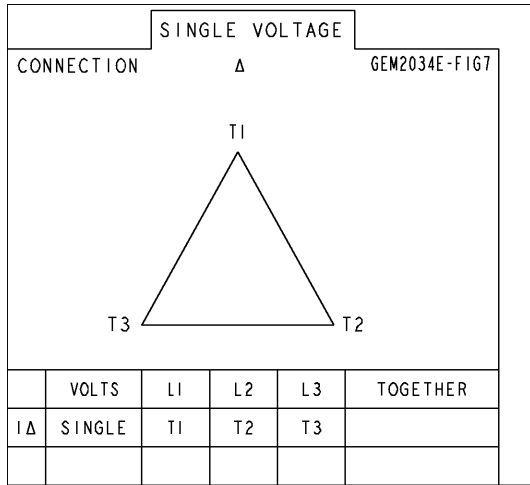
NEMA TYPE P BASE DIMENSIONS IN INCHES

OUTLINE, TEFC, 841, U.2125
NEMA 364/365 SOLID SHAFT, INLINE
1650 BD, 346 CU IN C/BOX, GROUND PAD

148CB361PHRBCLA0001

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	