GE
Power Conversion

Product Information Packet

January 13, 2017

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

Model Number:	**5KS326SAJ108A**
Catalog Number:	**V4969**
Instruction Manual:	GEK-95655
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	148CB32TLHNBCAA0002

Accessory Connection Diagrams

Bearing Thermocouple:	None	**Heater:**	3027JE-1C
RTD:	None	**Thermistor:**	None
Thermostat:	None	**Winding Thermocouple:**	None
Bearing RTD:	None		

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imagination at work

Marks:

MODEL NUMBER:	**5KS326SAJ108A**	**Estimated Weight:**	661 Lbs
Outline Drawing:	148CB32TLHNBCAA0002	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEK-95655	**Encl Construction:**	X$D
Design Code:	32BD0112A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	L326HP16	**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:**	93.8
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:**	6312C3
Alt Service Factor:	--	**Bearing - ODE:**	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:
HTR LDS HE1-HE2 115V 100W
INVERTER DUTY PER NEMA MG1 PART 31
ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
VAR TORQUE RANGE 0-60 HZ
SUITABLE FOR 40 HP, 380V, 50 HZ WITH
56.7 AMPS AND 2965 RPM AT 1.00 SF
API 610 12TH EDITION SHAFT DIMENSIONS

Additional Information:

2 POLE,VERT SOLID SHAFT NORMAL THRUST
346 CU IN - 3.00" NPT
INPRO SEAL ON UPPER END
OIL RESISTANT SLEEVING ON LEADS
115V HTR LDS TO MAIN CONDUIT BOX
BEARING LIFE 8760 HOURS AT 1067 LB THRUST
BRASS TEE DRAIN
RCF: 3210 CPM AT C/BOX SIDE, 3510 CPM AT
90 DEG FROM C/ BOX SIDE
CG: 12.00 IN FROM P-BASE FACE

Performance Characteristics 1st Winding 1st Connection **Design: 32BD0112A**

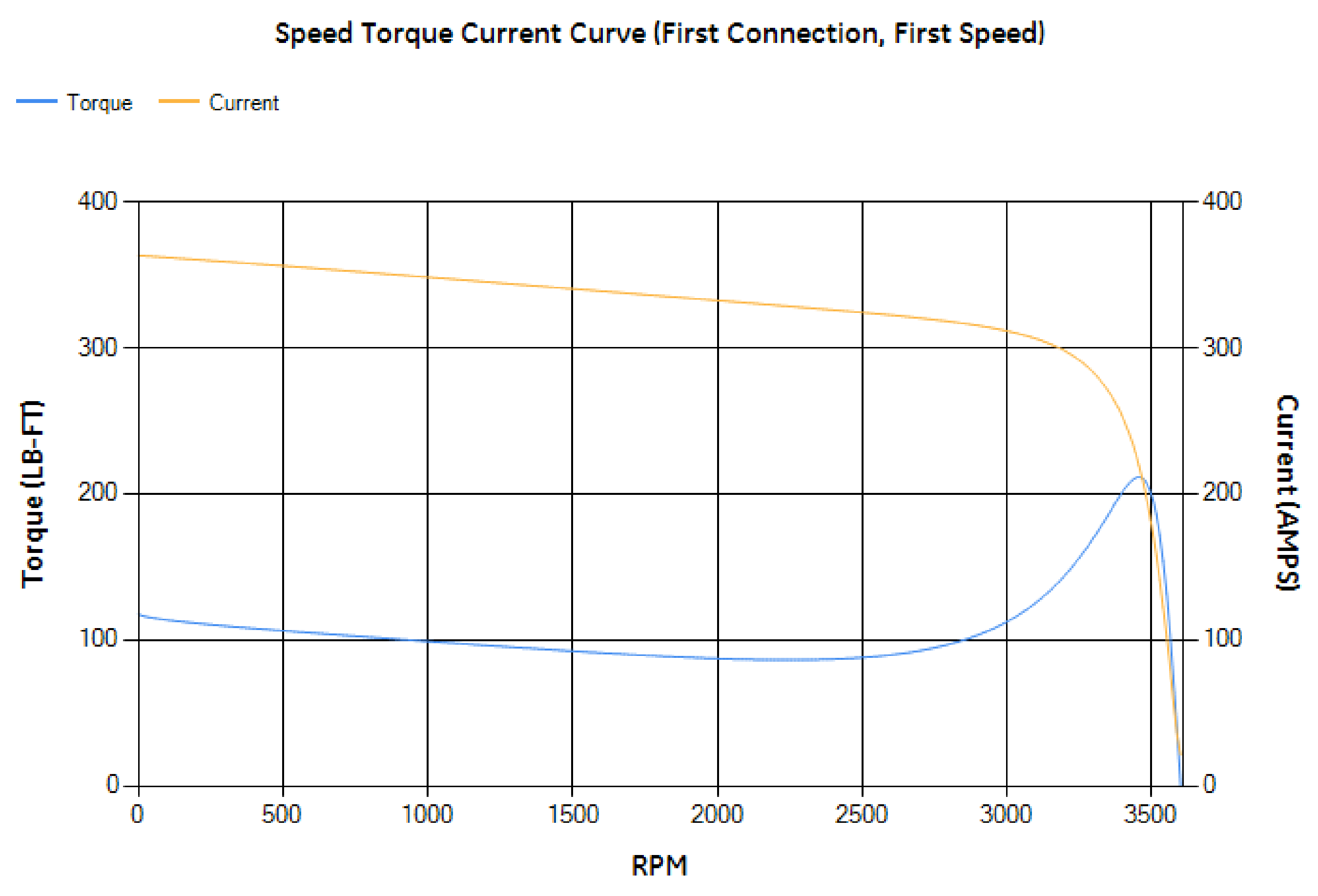
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.06	93.32	93.8	93.76	93.08	89.46	0.00
% PF	87.68	87.25	86.14	82.33	73.38	51.5	5.55
AMPS	71.68	66.1	57.85	45.47	34.26	25.4	21.1

TORQ(FL)#FT	73.65	**TORQ(LR)%FL**	160.32	**TORQ(BD)%FL**	286.91
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 127 Lb-Ft Sq (5.35 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 45 seconds cold, 22 seconds hot. Rotor inertia is 4.06 Lb-Ft Sq (0.17 Kg-meter Sq).

Open Circuit A-C:	0.707	**Short Circuit D-C:**	0.018
Short Circuit A-C:	0.039	**X/R Ratio:**	6.693
Stator Slots:	48	**Rotor Slots:**	38



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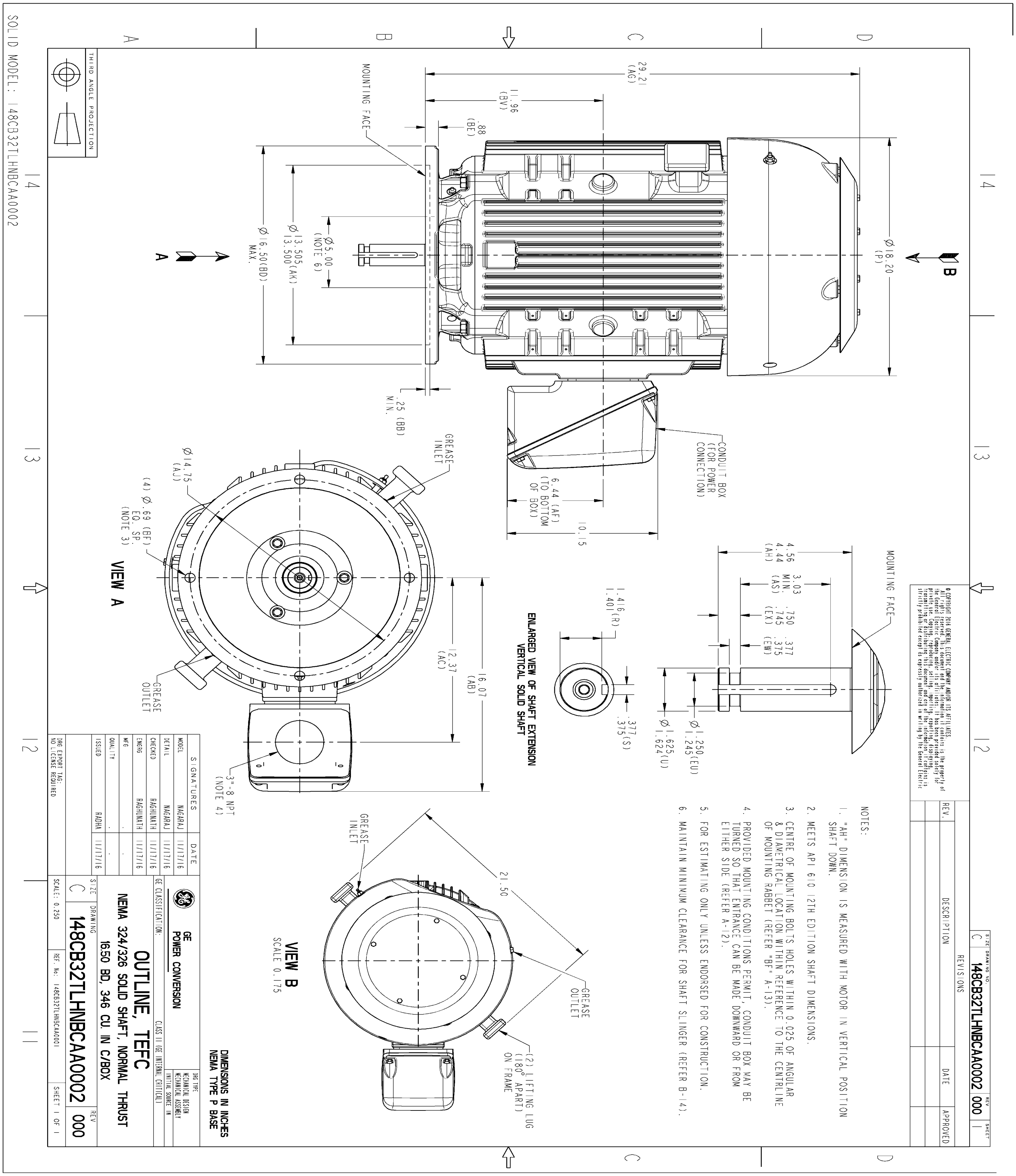


REV.	DESCRIPTION	DATE	APPROVED

REVISIONS

SIZE C DRAWING NO. 148CB32TLHNBCAA0002 REV 000 SHEET 1

NOTES:

1. "AH" DIMENSION IS MEASURED WITH MOTOR IN VERTICAL POSITION SHAFT DOWN.
2. MEETS API 610 12TH EDITION SHAFT DIMENSIONS.
3. CENTRE OF MOUNTING BOLTS HOLES WITHIN 0.025 OF ANGULAR & DIAMETRICAL LOCATION WITHIN REFERENCE TO THE CENTRLINE OF MOUNTING RABBET (REFER "BF" A-13).
4. PROVIDED MOUNTING CONDITIONS PERMIT, CONDUIT BOX MAY BE TURNED SO THAT ENTRANCE CAN BE MADE DOWNWARD OR FROM EITHER SIDE (REFER A-12).
5. FOR ESTIMATING ONLY UNLESS ENDORSED FOR CONSTRUCTION.
6. MAINTAIN MINIMUM CLEARANCE FOR SHAFT SLINGER (REFER B-14).

DIMENSIONS IN INCHES
NEMA TYPE P BASE

SIGNATURES		DATE
MODEL	NAGARAJ	11/17/16
DETAIL	NAGARAJ	11/17/16
CHECKED	RAGHUNATH	11/17/16
ENGRG	RAGHUNATH	11/17/16
MFG	.	.
QUALITY	.	.
ISSUED	RADHA	11/17/16

DRG EXPORT TAG:
NO LICENSE REQUIRED

GE
POWER CONVERSION

DRG TYPE
MECHANICAL DESIGN
MECHANICAL ASSEMBLY
INITIAL SOURCE IN

GE CLASSIFICATION: CLASS II (GE INTERNAL CRITICAL)

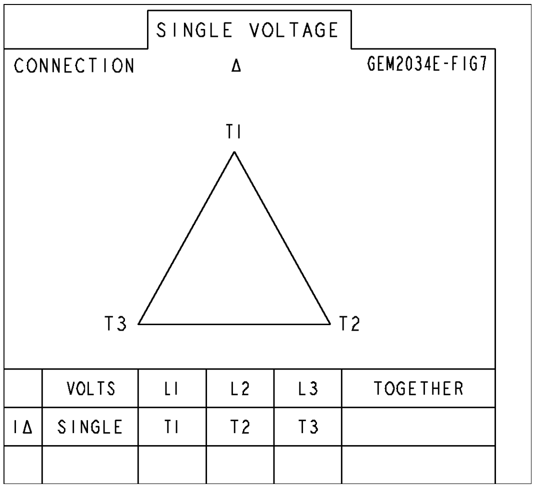
OUTLINE, TEFC
NEMA 324/326 SOLID SHAFT, NORMAL THRUST
16.50 BD, 346 CU. IN C/BOX

SIZE C DRAWING 148CB32TLHNBCAA0002 REV 000

SCALE: 0.250 REF. No: 148CB32TLHNBCAA0001 SHEET 1 OF 1

Connection Diagram

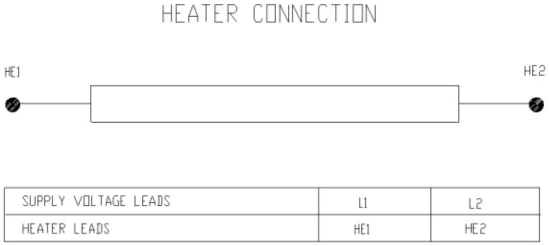
GEM2034E-FIG7



	VOLTS	L1	L2	L3	TOGETHER
1Δ	SINGLE	T1	T2	T3	

Heater Connection

3027JE-1C



SUPPLY VOLTAGE LEADS	L1	L2
HEATER LEADS	HE1	HE2

End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E8205BA1	115E4200MB1
Bearing	235A2509AR01	235A2609AA01
Slinger/Inproseal	235A2300FM1	235A4575GS2

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G02
Fan Cover	128D6800AB1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	