

Product Information Packet

January 12, 2017

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

| | |
|----------------------------|----------------------|
| Model Number: | 5KS326CAG118A |
| Catalog Number: | E9277 |
| Instruction Manual: | GEI-56128 |
| Connection Diagram: | GEM2034E-FIG7 |
| Outline Drawing: | 225B4700AY |

| Accessory Connection Diagrams | | | |
|-------------------------------|----------|------------------------------|------|
| Bearing Thermocouple: | None | Heater: | None |
| RTD: | None | Thermistor: | None |
| Thermostat: | 3027JE-2 | Winding Thermocouple: | None |
| Bearing RTD: | None | | |

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Marks:

| | | | |
|----------------------------|----------------------|-------------------------------|---------|
| MODEL NUMBER: | 5KS326CAG118A | Estimated Weight: | 650 Lbs |
| Outline Drawing: | 225B4700AY | Time Rating: | CONT |
| Connection Diagram: | GEM2034E-FIG7 | Enclosure: | TEFC |
| Instruction Book: | GEI-56128 | Encl Construction: | XP |
| Design Code: | 32ED0049A | Ambient Max(°C): | 40 |
| Type: | KS | Alt Ambient Max(°C): | XX |
| Frame: | 326TS | Insulation Class: | F |
| Phases: | 3 | NEMA Design: | B |
| Poles: | 2 | Nominal Efficiency: | 93.0 % |
| Output Power: | 50HP 37KW | Guaranteed Efficiency: | 91.7 |
| RPM: | 3535 | 3/4 Load Efficiency: | 93.4 |
| Voltage: | 460 | KVA Code: | G |
| Hertz: | 60 | Max KVAR: | 17.0 |
| Amps - FL: | 58.9 | Power Factor: | 85.5 |
| Service Factor: | 1.0 | Bearing - DE: | 6312ZC3 |
| Alt Service Factor: | XX | Bearing - ODE: | 6312ZC3 |

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

EXPLOSION PROOF MOTOR
TEMP CODE T3C
THERMOSTAT LEADS TB1-TB2:TRIP

Additional Information:

STAMP NP249A5571AD AS FOLLOWS:
CL I GR C&D CL II GR F&G
2 POLE, TS SHAFT EXTN
(3)NC THERMOSTAT LEADS TO MAIN CONDUIT BOX
250 Cu. In. CBOX

Performance Characteristics

1st Winding 1st Connection

Design: 32ED0049A

Marks:

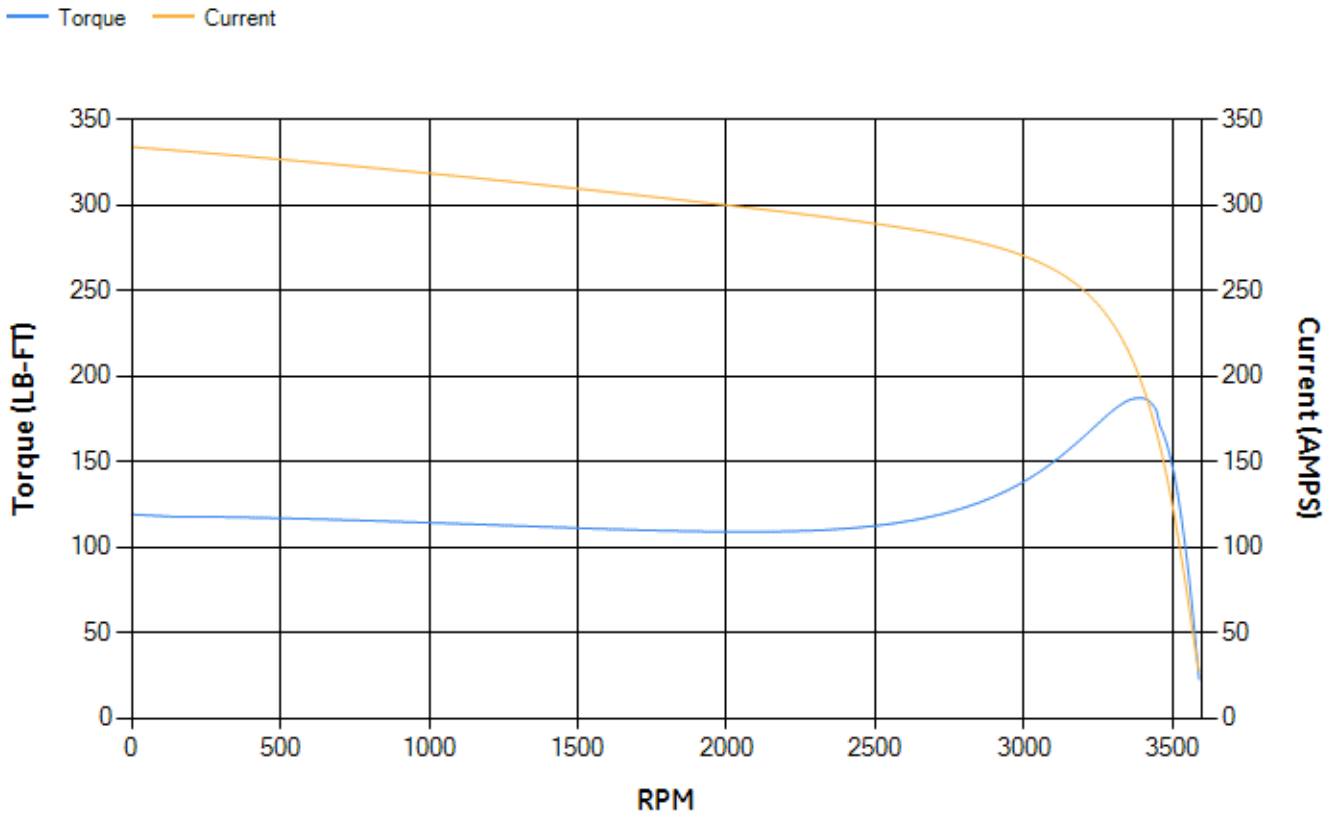
| LOAD % | 125.0 | 115.0 | 100.0 | 75.0 | 50.0 | 25.0 | 0.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|
| % EFF | 92.19 | 92.56 | 93.21 | 93.37 | 92.8 | 89.04 | 0.00 |
| % PF | 86.65 | 86.35 | 85.42 | 81.9 | 73.27 | 51.82 | 5.63 |
| AMPS | 73.23 | 67.33 | 58.77 | 45.9 | 34.41 | 25.36 | 20.86 |

| | | | | | |
|-------------|--------|-------------|--------|-------------|--------|
| TORQ(FL)#FT | 74.24 | TORQ(LR)%FL | 160.31 | TORQ(BD)%FL | 251.81 |
| AMPS(LR) | 333.88 | PF AT START | 0.31 | | |

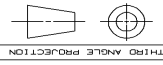
This motor is capable of two cold or one hot start with a maximum connected load inertia of 111 Lb-Ft Sq (4.67 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 13 seconds. Safe stall time at 100% voltage is 38 seconds cold, 16 seconds hot. Rotor inertia is 2.58 Lb-Ft Sq (0.11 Kg-meter Sq).

| | | | |
|--------------------|-------|--------------------|-------|
| Open Circuit A-C: | 0.424 | Short Circuit D-C: | 0.022 |
| Short Circuit A-C: | 0.024 | X/R Ratio: | 8.127 |
| Stator Slots: | 48 | Rotor Slots: | 38 |

Speed Torque Current Curve (First Connection, First Speed)



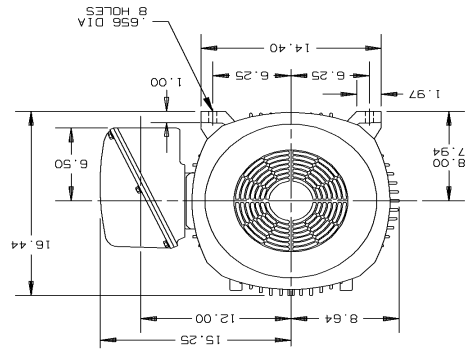
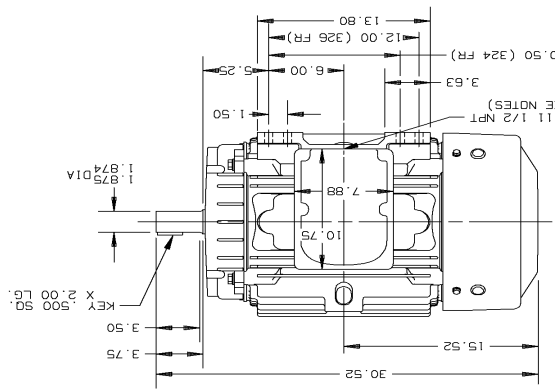
Marks:



THIRD ANGLE PROJECTION

NOTES:
 1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP, OR ON EITHER SIDE
 2. F-1 ASM AS SHOWN
 3. F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE

| | | | |
|-------------------------------------|--|------------------------|-------------------------|
| SHEET 1 OF 1 | | SCALE .15 | DATE 01/30/92 |
| 225B4700AY | | SIZE 11 | CD NO. DM320:225B4700AY |
| 225B4700AY | | DATE 01/30/92 | ENGR. [Signature] |
| 250 CU. IN. CONDUIT BOX 5K324C3189P | | CHECKED N. R. B. | DATE 01/30/92 |
| OUTLINE (XP) | | DRAWN N. R. BURNIK | DATE 01/30/92 |
| 324/326TS FR TFC | | SIGNATURES DATE | |
| Fort Wayne, Indiana | | LAKES ORIENTED SYSTEMS | |
| GE Motors | | | |
| METRIC EQUIVALENT 225B4700BA | | | |



| REV | DESCRIPTION | DATE | APPROVED |
|-----|------------------------|----------|----------|
| 1 | ADDED METRIC EQUIV M8B | 02/13/92 | |

SIZE 11 CD NO. 225B4700AY

Marks:

Connection Diagram
GEM2034E-FIG7



Thermostat Connection
3027JE-2

FIG. 2
THERMOSTAT CONN.

