

Product Information Packet

January 12, 2017

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

Model Number:	5KS326CAG205B
Catalog Number:	E9286
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	225B4700AA

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:	5KS326CAG205B	Estimated Weight:	740 Lbs
Outline Drawing:	225B4700AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	XP
Design Code:	32ED1068AA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	XX
Frame:	326T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	4	Nominal Efficiency:	94.5 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	93.6
RPM:	1780	3/4 Load Efficiency:	95.1
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	18.6
Amps - FL:	123.8/61.9	Power Factor:	80.0
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
4 POLE, T SHAFT EXTN
(3)NC THERMOSTAT LEADS TO MAIN CONDUIT BOX
250 Cu. In. CBOX

Performance Characteristics

1st Winding 1st Connection

Design: 32ED1068AA

Marks:

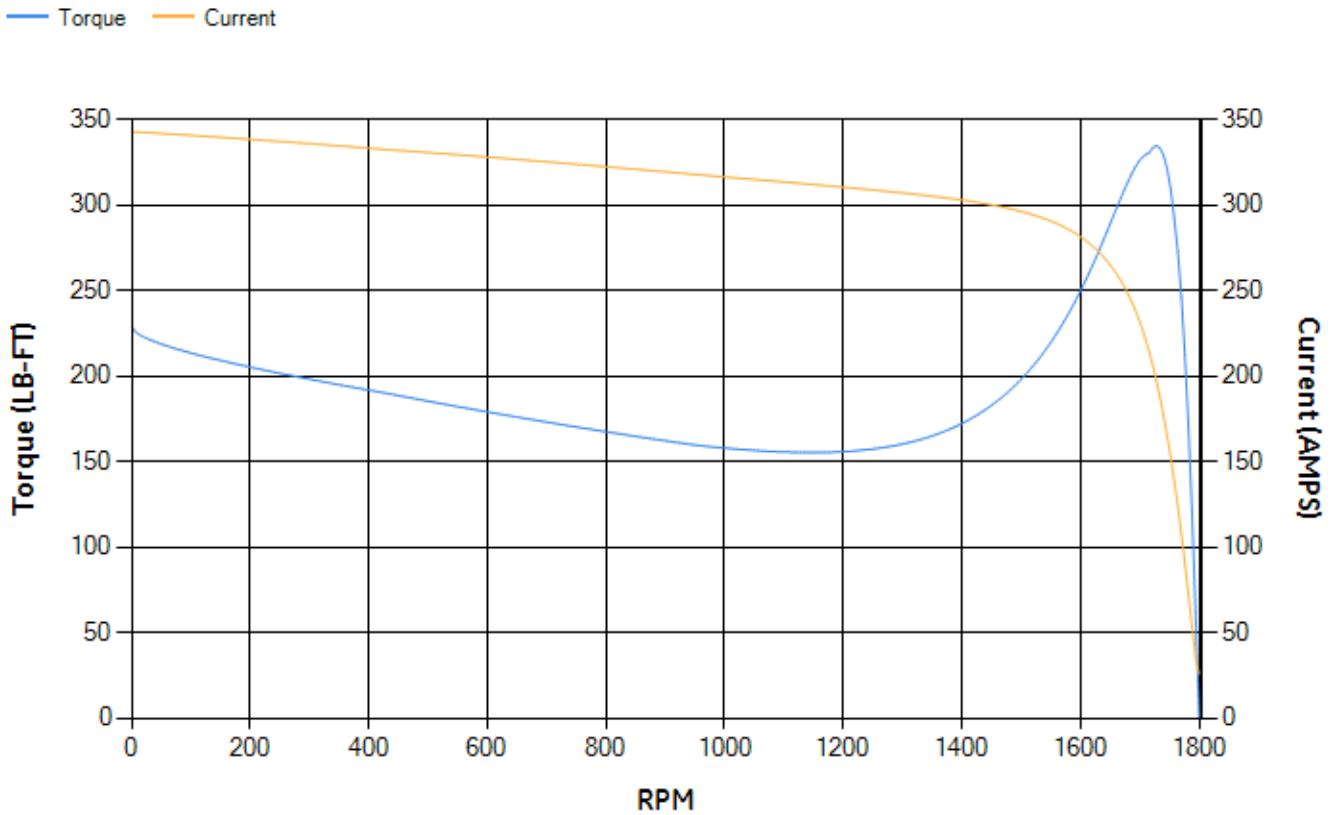
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.4	94.63	95.1	95.07	94.59	91.79	0.00
% PF	81.86	81.33	79.95	75.24	64.92	42.86	3.51
AMPS	75.69	69.92	61.56	49.06	38.1	29.74	25.82

TORQ(FL)#FT	147.5	TORQ(LR)%FL	155.32	TORQ(BD)%FL	223.25
AMPS(LR)	342.86	PF AT START	0.29		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 927 Lb-Ft Sq (39.03 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 38 seconds. Safe stall time at 100% voltage is 76 seconds cold, 45 seconds hot. Rotor inertia is 6.85 Lb-Ft Sq (0.29 Kg-meter Sq).

Open Circuit A-C:	0.532	Short Circuit D-C:	0.034
Short Circuit A-C:	0.036	X/R Ratio:	12.688
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)

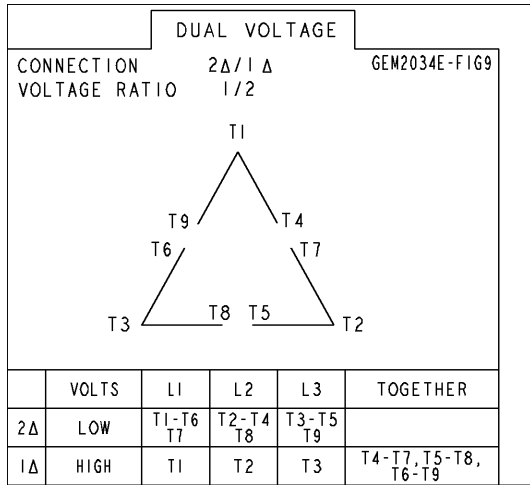


Marks:

SHEET 1 OF 1 225B4700AA 324/326 FR TFC, 250 CU. IN. CONDUIT BOX OUTFLINE (XP) Fort Wayne, Indiana GE Motors METRIC EQUIV. 225B4700AD	SCALE 1:15 CMO NO. F320:225B4700AA SIZE FRCH NO. 04/12/82 13880 04/06/82 DRAWN MT DUFFS CHECKED ENGRG 2 PL. DESIGNS 1 PL. DESIGNS 13880 04/12/82 13880	APPLICABLE REVISIONS: REVISIONS AND IN CHARGE DATE SIGNATURES	THRU ANGLE PROJECTION CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP, OR ON EITHER SIDE F-1 ASM HAS CONDUIT BOX ON OPPOSITE SIDE F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE											
REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>09/21/83</td> <td>ADDED METRIC EQUIVALENT TM</td> </tr> <tr> <td>2</td> <td>10/17/91</td> <td>910-963 CLF</td> </tr> </tbody> </table>		REV	DATE	DESCRIPTION	1	09/21/83	ADDED METRIC EQUIVALENT TM	2	10/17/91	910-963 CLF	225B4700AA 1 REV 2			
REV	DATE	DESCRIPTION												
1	09/21/83	ADDED METRIC EQUIVALENT TM												
2	10/17/91	910-963 CLF												

Marks:

Connection Diagram
GEM2034E-FIG9



Thermostat Connection
3027JE-2

FIG. 2
THERMOSTAT CONN.

