GE
Power Conversion

Product Information Packet

November 7, 2016

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

Model Number:	**5KS444CAG208B**
Catalog Number:	**E9302**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	225B6200AC

Accessory Connection Diagrams

Bearing Thermocouple:	None	**Heater:**	None
RTD:	None	**Thermistor:**	None
Thermostat:	None	**Winding Thermocouple:**	None
Bearing RTD:	None		

Table of Contents

imagination at work

Marks:

MODEL NUMBER:	**5KS444CAG208B**	**Estimated Weight:**	1930 Lbs
Outline Drawing:	225B6200AC	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	XP
Design Code:	44ED1113A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	XX
Frame:	444T	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	B
Poles:	4	**Nominal Efficiency:**	95.4 %
Output Power:	125HP 92.5KW	**Guaranteed Efficiency:**	94.5
RPM:	1785	**3/4 Load Efficiency:**	95.4
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	36.7
Amps - FL:	145.0	**Power Factor:**	84.5
Service Factor:	1.0	**Bearing - DE:**	6318ZC3
Alt Service Factor:	XX	**Bearing - ODE:**	6318ZC3

Enclosure is Totally Enclosed Fan-Cooled

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

Additional Information:

STAMP NP235A3574 AS FOLLOWS:
CL I GR C&D CL II GR F&G
4 POLE, T SHAFT EXTN
EXPLOSION PROOF
(3)NC THERMOSTAT LEADS TO MAIN CONDUIT BOX
920 Cu. In. CBOX

Performance Characteristics 1st Winding 1st Connection **Design: 44ED1113A**

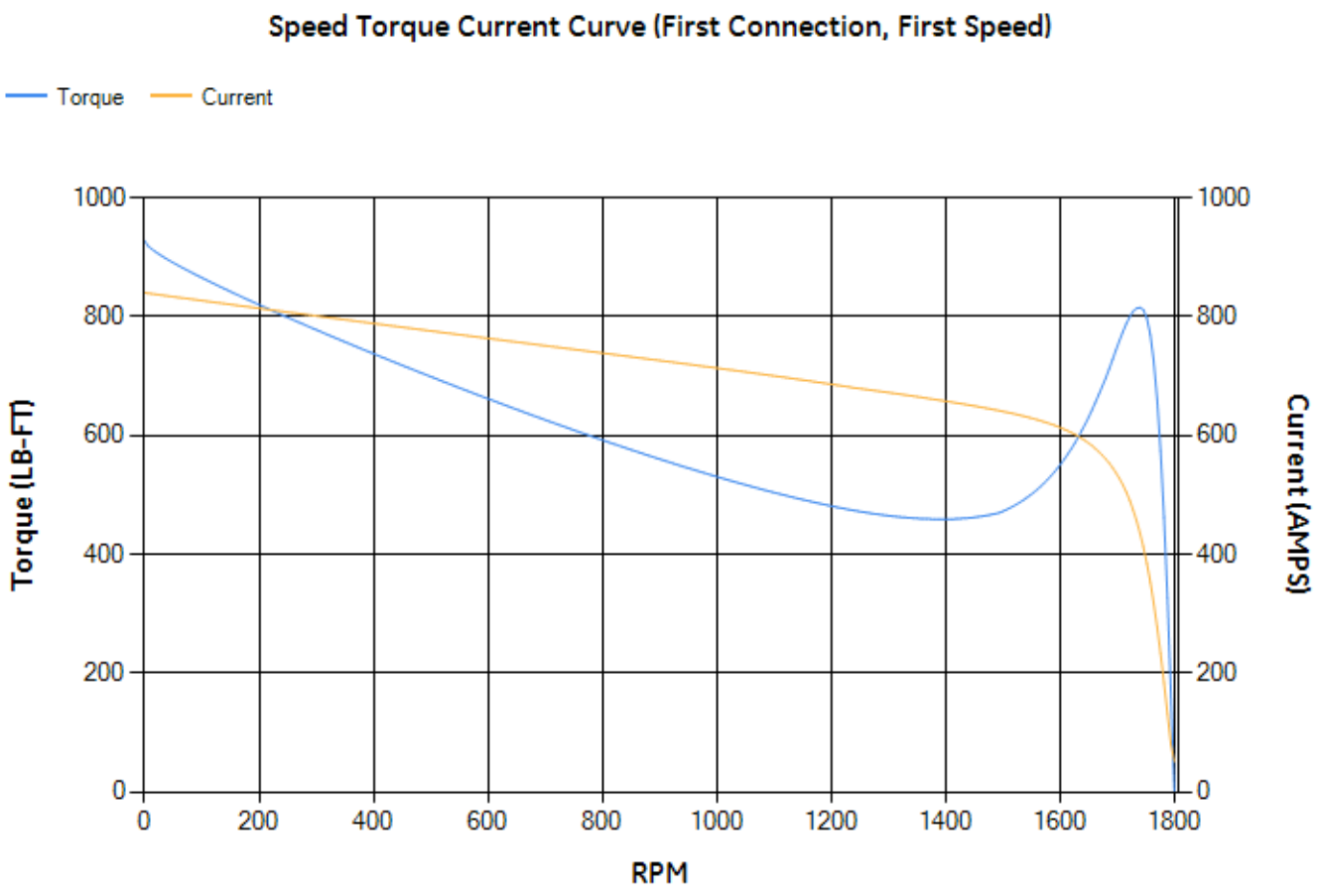
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.88	95.08	95.5	95.43	94.92	92.2	0.00
% PF	85.4	85.23	84.48	81.24	72.86	51.28	4.23
AMPS	180.47	166.02	145	113.18	84.58	61.86	51.13

TORQ(FL)#FT	367.55	**TORQ(LR)%FL**	252.37	**TORQ(BD)%FL**	221.35
AMPS(LR)	840.1	**PF AT START**	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2897 Lb-Ft Sq (121.96 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 34 seconds. Safe stall time at 100% voltage is 73 seconds cold, 41 seconds hot. Rotor inertia is 51.61 Lb-Ft Sq (2.17 Kg-meter Sq).

Open Circuit A-C:	0.909	**Short Circuit D-C:**	0.033
Short Circuit A-C:	0.054	**X/R Ratio:**	12.563
Stator Slots:	72	**Rotor Slots:**	58



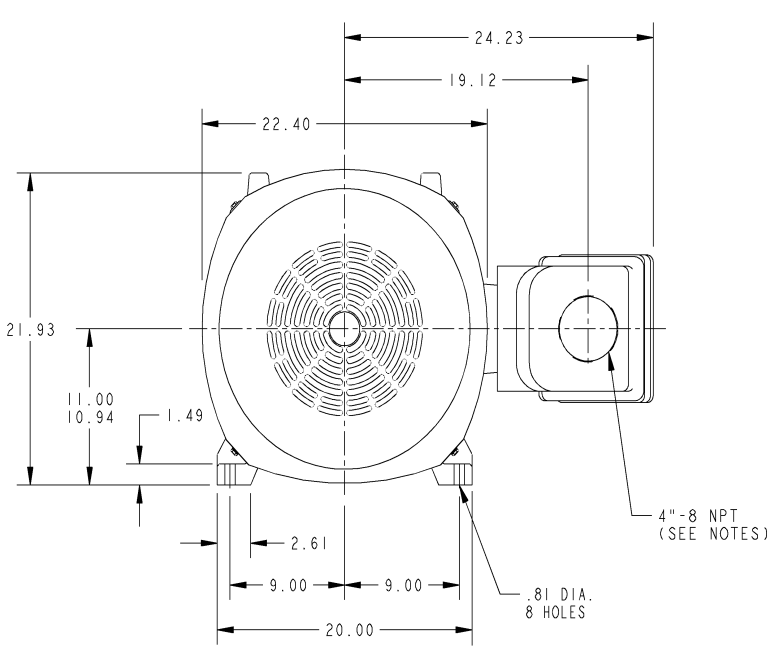
Marks:

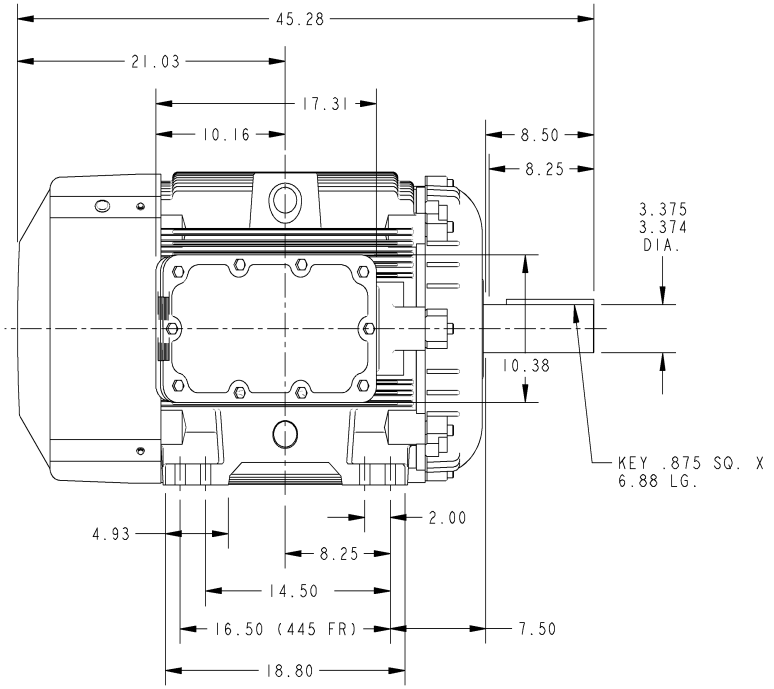
Model Number: 5KS444CAG208B

November 7, 2016

SIZE	DRAWING NO.	SH	REV.
B	225B6200AC	1	3

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	AN 89D-114 WSE	04/06/89	
2	REDRAWN ON PRO/E UPDATED	08/21/02	AB
3	ISAAC # 15-0592 HAREHARAN	06/15/15	KARTHIK





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

UNLESS OTHERWISE SPECIFIED:	SIGNATURES		DATE
DIMENSIONS ARE IN INCHES	DRAWN	D.E.W	02/16/83
TOLERANCE ON:	CHECKED	D.E.W	02/16/83
2 PL DECIMALS ± 0.02	ENGRG		
3 PL DECIMALS ± 0.005	ISSUED	D.E.W	02/17/83
ANGLES ± 0.5			
MATERIAL:	APPLIED PRACTICES		

GE Industrial Systems — GENERAL ELECTRIC COMPANY, Fort Wayne, Indiana

OUTLINE

444/445 "T" XP (920 CU. IN. C'BOX)

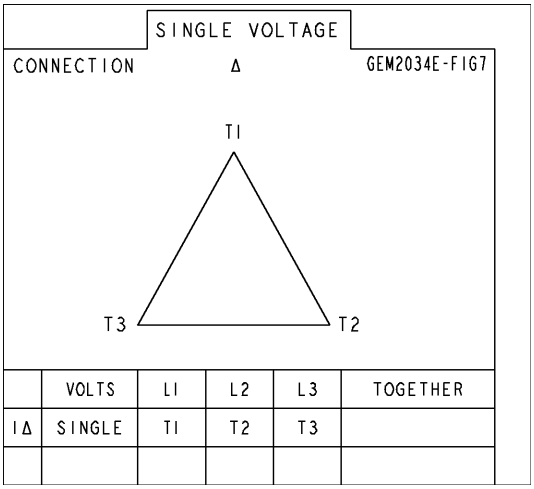
SIZE	DRAWING	REV.
B	225B6200AC	3

SCALE: .12 — SHEET 1 OF 1

DISTRIBUTION:

Connection Diagram

GEM2034E-FIG7



	VOLTS	L1	L2	L3	TOGETHER
1Δ	SINGLE	T1	T2	T3	

End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6682CA1	128D6682CB1
Bearing	235A2514AG01	235A2514AG01
Slinger/Inproseal		

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100AA2
Fan Cover	44FC6650G001

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	179B9027G01

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	