

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5KS444CAG118B</b>
<b>Catalog Number:</b>	<b>E9281</b>
<b>Instruction Manual:</b>	GEI-56128
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	225B6200AD

<b>Accessory Connection Diagrams</b>			
<b>Bearing Thermocouple:</b>	None	<b>Heater:</b>	None
<b>RTD:</b>	None	<b>Thermistor:</b>	None
<b>Thermostat:</b>	None	<b>Winding Thermocouple:</b>	None
<b>Bearing RTD:</b>	None		

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**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS444CAG118B</b>	<b>Estimated Weight:</b>	1990 Lbs
<b>Outline Drawing:</b>	225B6200AD	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG7	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-56128	<b>Encl Construction:</b>	XP
<b>Design Code:</b>	44ED0067A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	XX
<b>Frame:</b>	444TS	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	B
<b>Poles:</b>	2	<b>Nominal Efficiency:</b>	95.0 %
<b>Output Power:</b>	125HP 92.5KW	<b>Guaranteed Efficiency:</b>	94.1
<b>RPM:</b>	3565	<b>3/4 Load Efficiency:</b>	95.0
<b>Voltage:</b>	460	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	14.9
<b>Amps - FL:</b>	132.0	<b>Power Factor:</b>	93.0
<b>Service Factor:</b>	1.0	<b>Bearing - DE:</b>	6314ZC3
<b>Alt Service Factor:</b>	XX	<b>Bearing - ODE:</b>	6314ZC3

**Enclosure is Totally Enclosed Fan-Cooled**

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**Stamped Nameplate Notes:**

EXPLOSION PROOF MOTOR  
TEMP CODE T3C  
THERMOSTAT LEADS TB1-TB2:TRIP  
ROT CCW FACING ODE LEAD/PH SEQ 3-2-1/1-2-3

**Additional Information:**

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

**Performance Characteristics**

1st Winding 1st Connection

**Design: 44ED0067A**

**Marks:**

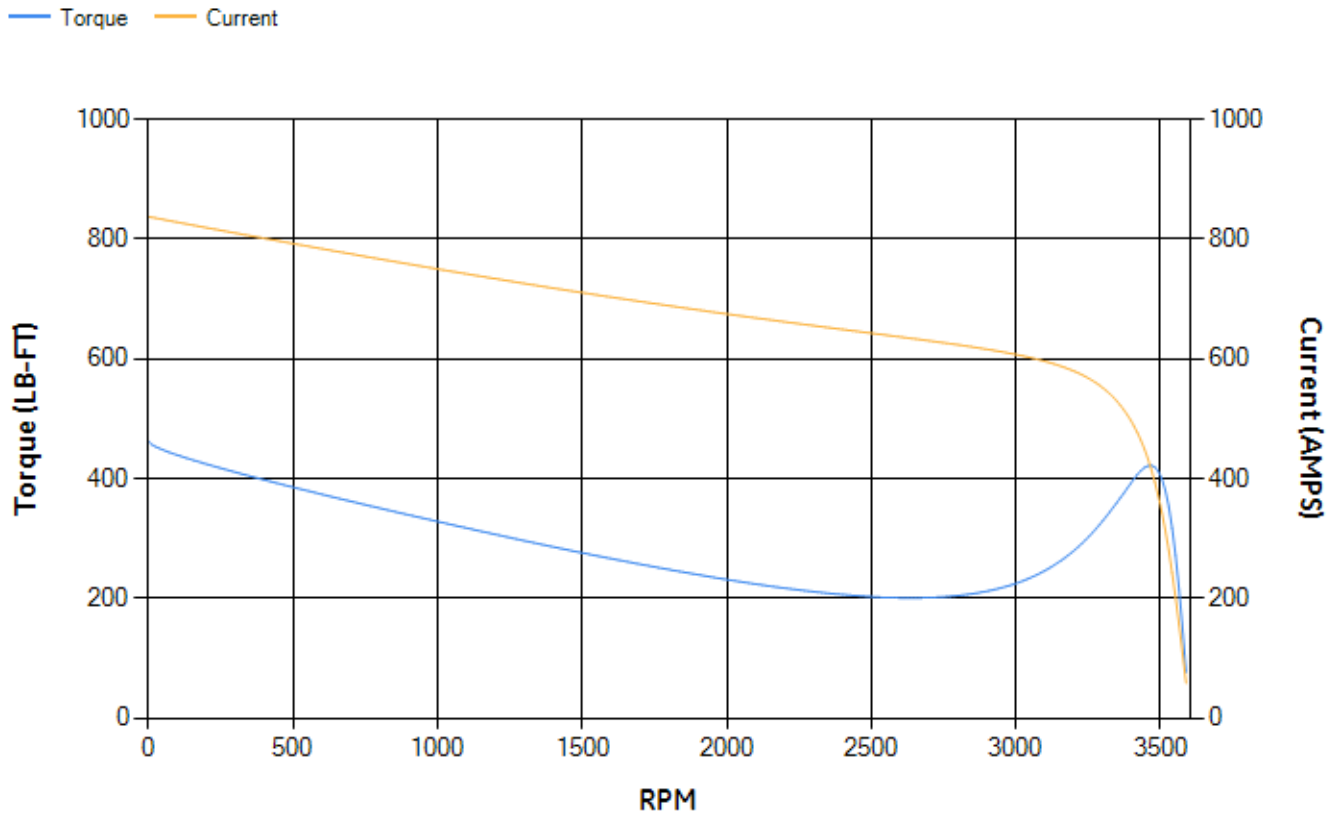
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.67	94.84	95.22	95.02	94.3	91	0.00
% PF	91.92	92.38	92.85	92.87	90.98	81.27	12.59
AMPS	168.05	153.55	132.34	99.43	68.19	39.55	20.77

<b>TORQ(FL)#FT</b>	183.98	<b>TORQ(LR)%FL</b>	251.21	<b>TORQ(BD)%FL</b>	228.99
<b>AMPS(LR)</b>	837.26	<b>PF AT START</b>	0.37		

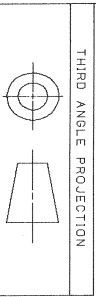
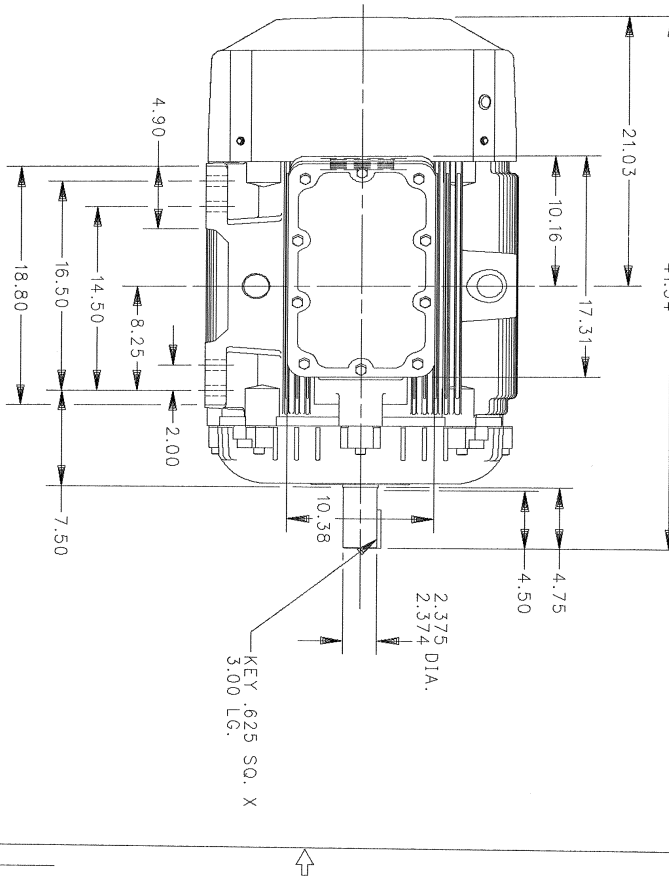
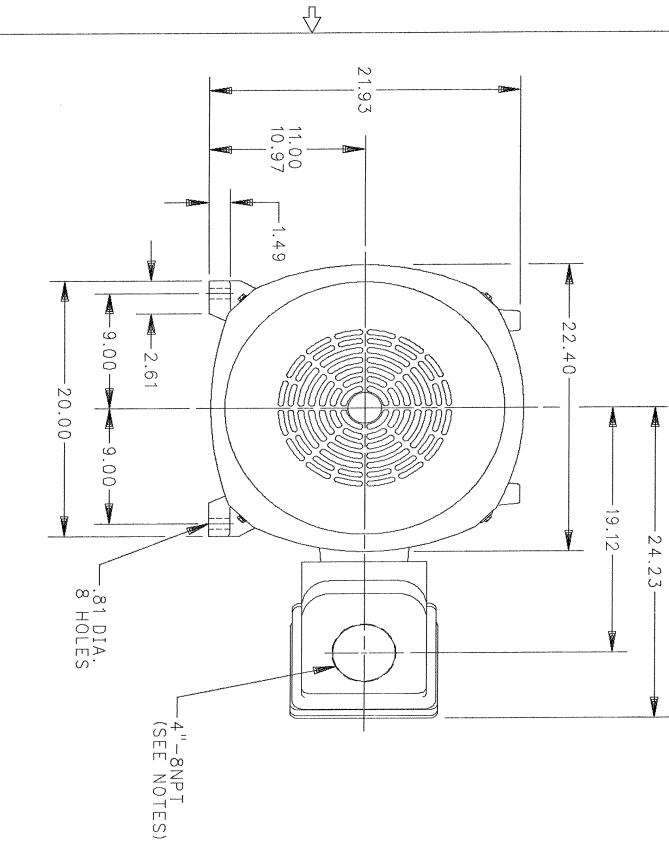
This motor is capable of two cold or one hot start with a maximum connected load inertia of 322 Lb-Ft Sq (13.56 Kg-meter Sq) at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 18 seconds. Safe stall time at 100% voltage is 40 seconds cold, 21 seconds hot. Rotor inertia is 34.06 Lb-Ft Sq (1.43 Kg-meter Sq).

<b>Open Circuit A-C:</b>	1.89	<b>Short Circuit D-C:</b>	0.046
<b>Short Circuit A-C:</b>	0.05	<b>X/R Ratio:</b>	17.269
<b>Stator Slots:</b>	60	<b>Rotor Slots:</b>	50

**Speed Torque Current Curve (First Connection, First Speed)**



Marks:



THIRD ANGLE PROJECTION

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

UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE	
DIMENSIONS ARE IN INCHES	DRAWN	D.E.W.	02/16/83		
TOLERANCES UNLESS OTHERWISE SPECIFIED	CHECKED	D.E.W.	02/16/83		
3 PL. DECIMALS ±	ENGINE				
ANGLES ± 1°	ISSUED	D.E.W.	02/17/83		
FRACTIONS ±					
MATERIAL:					

GENERAL		ELECTRIC	
MOTOR BUSINESS GROUP			
FORT WAYNE, INDIANA			
<b>OUTLINE</b>			
444-445 "TS" XP (920 CU. IN. BOX)		225B6200AD	
CAD NO.	01440;225B6200AD	SIZE	F30M NO
			DWG NO
			225B6200AD
APPLIED PRACTICES	SCALE	.12	SHEET
			1 OF 1

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REVISIONS		DATE	APPROVED
REV	DESCRIPTION		
1	890-114 WSE	04/06/89	

Marks:

**Connection Diagram**  
**GEM2034E-FIG7**



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6683CA1	128D6683CH1
Bearing	235A2516AC01	235A2516AC01
Slinger/Inproseal		

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	44FA4281G001
Fan Cover	44FC6650G001

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	