

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5KS326ATE204A</b>
<b>Catalog Number:</b>	<b>E7320</b>
<b>Instruction Manual:</b>	GEI-M1023
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	358B6218AB

Accessory Connection Diagrams			
<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>5KS326ATE204A</b>	<b>Estimated Weight:</b>	750 Lbs
<b>Outline Drawing:</b>	358B6218AB	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG7	<b>Enclosure:</b>	DP
<b>Instruction Book:</b>	GEI-M1023	<b>Encl Construction:</b>	OPEN
<b>Design Code:</b>	32AD1006A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	326T	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	4	<b>Nominal Efficiency:</b>	94.5 %
<b>Output Power:</b>	50HP 37KW	<b>Guaranteed Efficiency:</b>	93.6
<b>RPM:</b>	1780	<b>3/4 Load Efficiency:</b>	94.6
<b>Voltage:</b>	575	<b>KVA Code:</b>	J
<b>Hertz:</b>	60	<b>Max KVAR:</b>	16.5
<b>Amps - FL:</b>	59	<b>Power Factor:</b>	81.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6312
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6212

Enclosure is Dripproof

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**Stamped Nameplate Notes:****Additional Information:**

4 POLE DRIP PROOF  
 CONDUIT BOX MATERIAL: STAMPED STEEL  
 CONDUIT BOX VOL: 253 CU IN  
 NO. OF MOTOR LEADS: 3  
 GREASE TYPE: CHEVRON SRI-2 POLYUREA  
 SOUND POWER DATA: 75.5  
 INVERTER DUTY PER NEMA MG1 PART 31  
 FOR VARIABLE TORQUE LOADS

**Performance Characteristics**

1st Winding 1st Connection

**Design: 32AD1006A**

**Marks:**

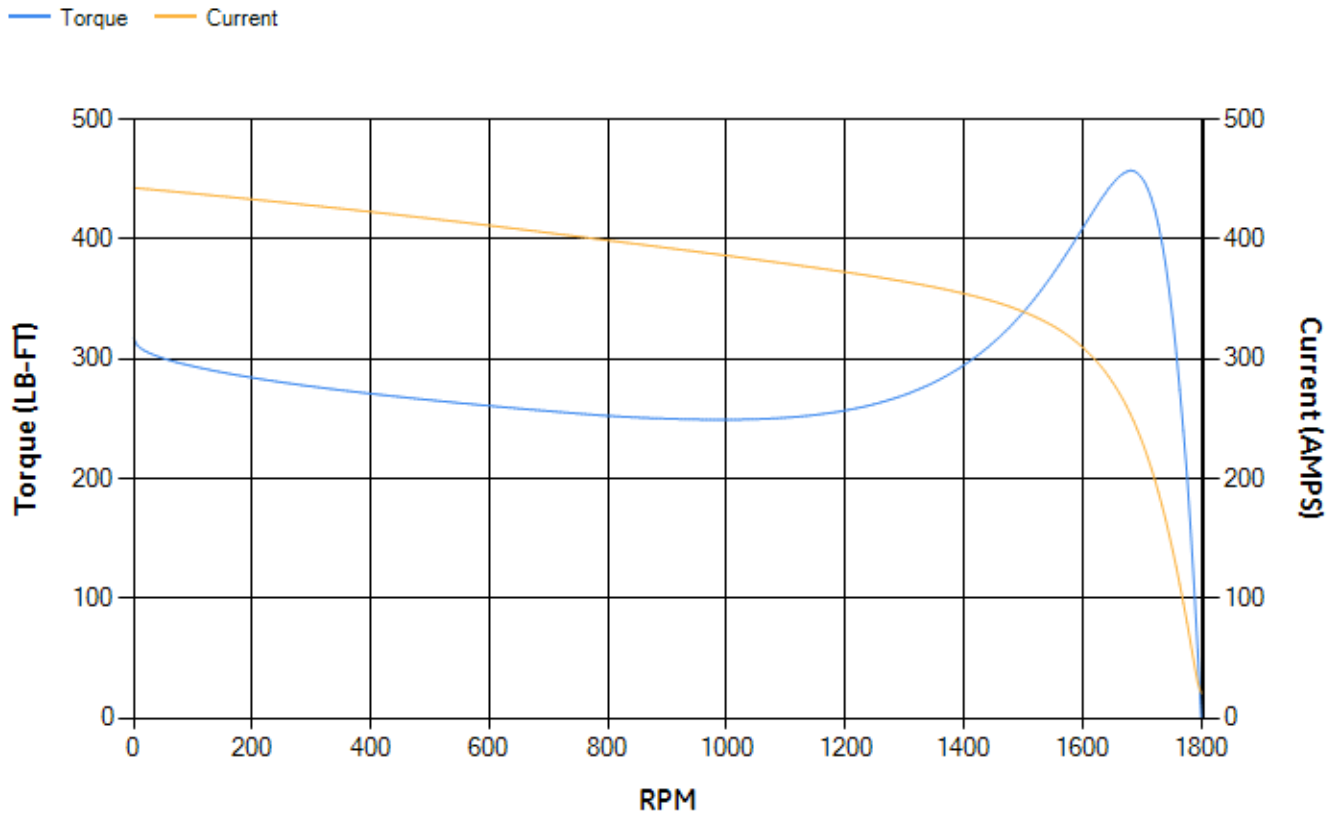
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.87	94.12	94.6	94.56	93.98	90.8	0.00
% PF	84.85	84.66	83.88	80.6	72.27	51.17	5.09
AMPS	73.44	67.54	58.97	46.05	34.45	25.18	20.57

<b>TORQ(FL)#FT</b>	147.46	<b>TORQ(LR)%FL</b>	215.03	<b>TORQ(BD)%FL</b>	309.15
<b>AMPS(LR)</b>	442.81	<b>PF AT START</b>	0.33		

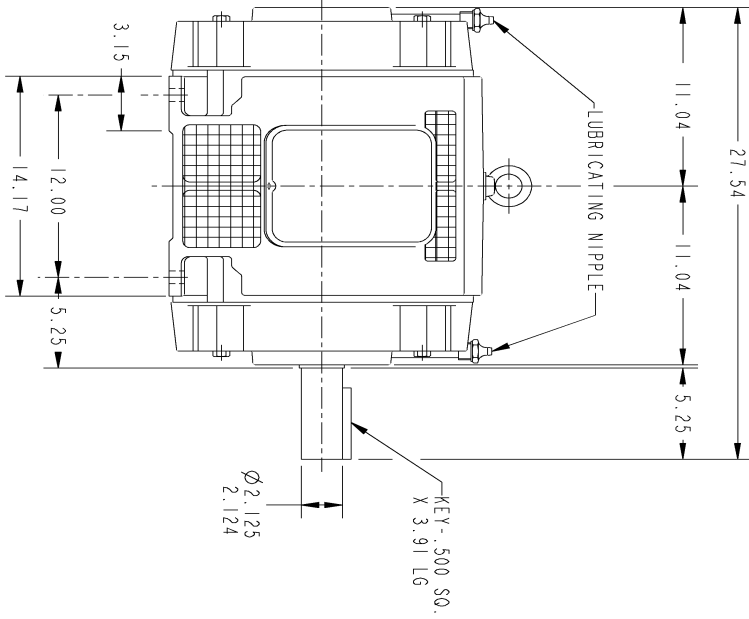
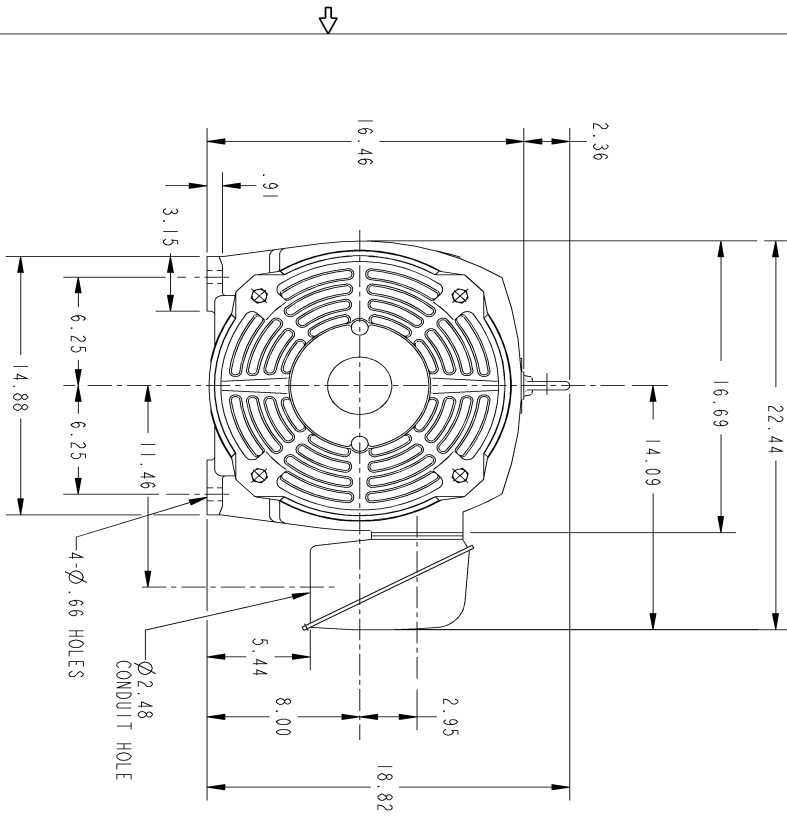
This motor is capable of two cold or one hot start with a maximum connected load inertia of 1345 Lb-Ft Sq (56.62 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 33 seconds. Safe stall time at 100% voltage is 56 seconds cold, 45 seconds hot. Rotor inertia is 8.37 Lb-Ft Sq (0.35 Kg-meter Sq).

<b>Open Circuit A-C:</b>	0.674	<b>Short Circuit D-C:</b>	0.023
<b>Short Circuit A-C:</b>	0.029	<b>X/R Ratio:</b>	8.547
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	40

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



Marks:

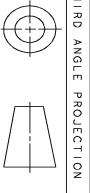


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REV.	DESCRIPTION	DATE	APPROVED
1	ISAAC 07-0770	05/03/07	R. KOHNE
2	ISAAC 15-0375	04/22/15	HARIKIRAN

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.



THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:		SIGNATURES		DATE	
DIMENSIONS ARE IN INCHES	DRAWN	PRABHAKAR	03/27/03		
TOLERANCE ON:	DRAWN	PRABHAKAR	03/27/03		
2 PL DECIMALS ± .	ENGR				
3 PL DECIMALS ± .	ISSUED	PRABHAKAR	03/27/03		
ANGLES ± 1°	APPLIED PRACTICES				

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

OUTLINE

326T - OPEN DRIP PROOF

358B6218AB

SCALE: DRAWING SCALE  
 SHEET 1 OF 1

DISTRIBUTION:

Marks:

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

