

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5KS404ATE118A</b>
<b>Catalog Number:</b>	<b>E7501</b>
<b>Instruction Manual:</b>	GEI-M1023
<b>Connection Diagram:</b>	GEM2034E-FIG8
<b>Outline Drawing:</b>	358B6203AB

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>5KS404ATE118A</b>	<b>Estimated Weight:</b>	1100 Lbs
<b>Outline Drawing:</b>	358B6203AB	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG8	<b>Enclosure:</b>	DP
<b>Instruction Book:</b>	GEI-M1023	<b>Encl Construction:</b>	OPEN
<b>Design Code:</b>	40AD0001A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	404TS	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	B
<b>Poles:</b>	2	<b>Nominal Efficiency:</b>	94.1 %
<b>Output Power:</b>	125HP 92.5KW	<b>Guaranteed Efficiency:</b>	93.0
<b>RPM:</b>	3565	<b>3/4 Load Efficiency:</b>	94.5
<b>Voltage:</b>	460	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	25.3
<b>Amps - FL:</b>	137	<b>Power Factor:</b>	87.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6313C3
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6313C3

Enclosure is Dripproof

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

2 POLE DP  
 LRA AT 460 VOLTS: 877.3 AMPS  
 NO. OF MOTOR LEADS: 6  
 CONDUIT BOX VOLUME (IN<sup>3</sup>): 1240  
 CONDUIT BOX MTL: STAMPED STEEL  
 GREASE TYPE: CHEVRON SRI-2 POLYUREA GREASE  
 NOT USABLE AT 200 VOLTS  
 50 HZ DATA: 125 HP, 164 AMPS AT 1.0SF, 2960 RPM  
 SOUND POWER: 92.9  
 DMK, 06/04, UPDATED 2/2005  
 INVERTER DUTY PER NEMA MG1 PART 31  
 FOR VARIABLE TORQUE LOADS

**Performance Characteristics**

1st Winding 1st Connection

**Design: 40AD0001A**

**Marks:**

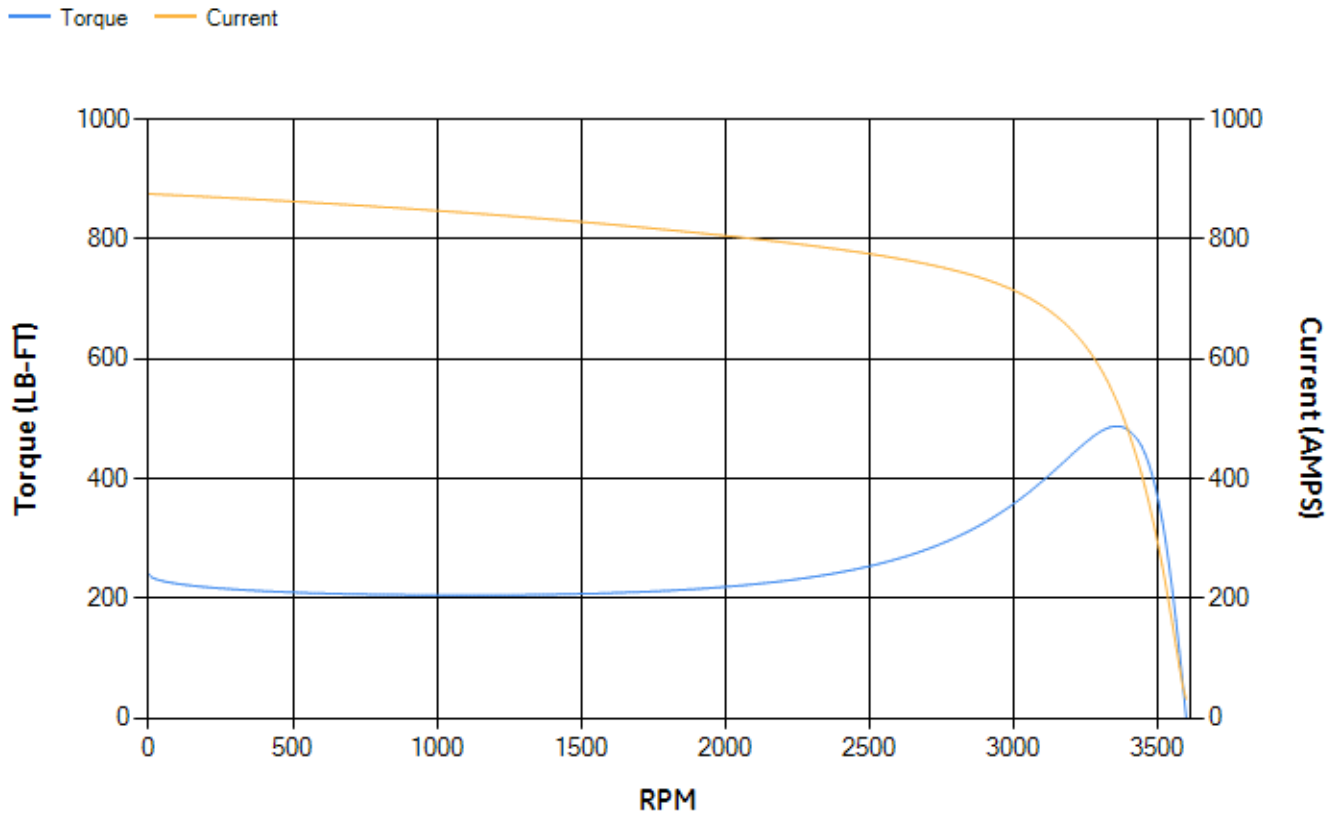
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.88	94.11	94.58	94.53	93.95	90.77	0.00
% PF	91.29	91.38	91.24	89.88	85.33	69.19	8.32
AMPS	170.63	156.44	135.58	103.27	72.97	46.57	31.69

<b>TORQ(FL)#FT</b>	184.24	<b>TORQ(LR)%FL</b>	130.5	<b>TORQ(BD)%FL</b>	263.63
<b>AMPS(LR)</b>	875.45	<b>PF AT START</b>	0.26		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 344 Lb-Ft Sq (14.48 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 22 seconds. Safe stall time at 100% voltage is 37 seconds cold, 30 seconds hot. Rotor inertia is 18.3 Lb-Ft Sq (0.77 Kg-meter Sq).

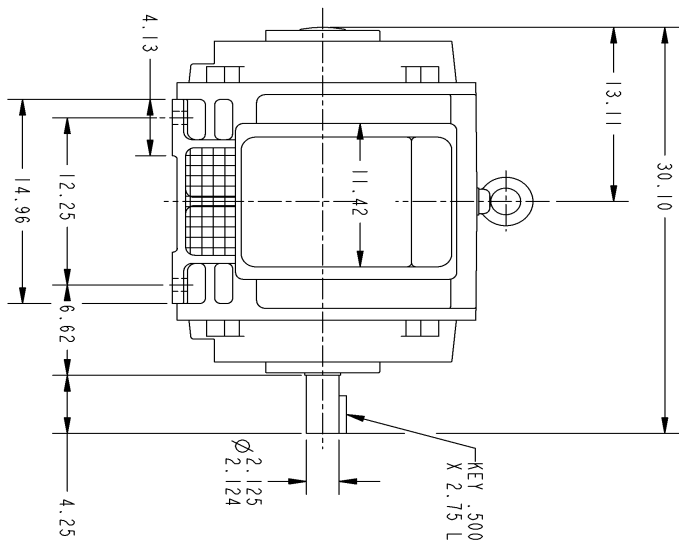
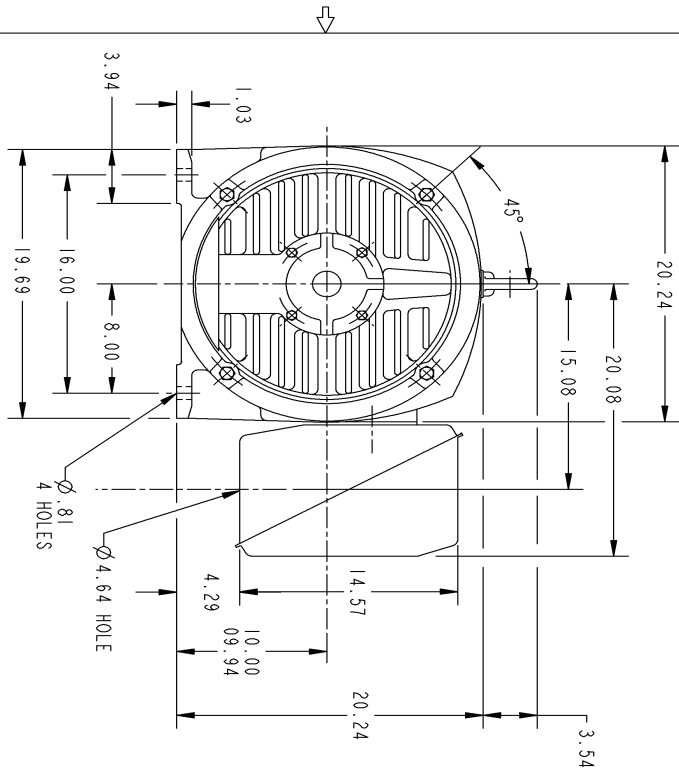
<b>Open Circuit A-C:</b>	1.081	<b>Short Circuit D-C:</b>	0.028
<b>Short Circuit A-C:</b>	0.037	<b>X/R Ratio:</b>	10.57
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	40

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



NAME:500903578 OBJECT:358B6203AB DATE:04-May-07 10:56:02

Marks:



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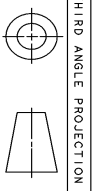
REV.	DESCRIPTION	DATE	APPROVED
1	ISAAC 07-0770	05/02/07	R. KOHNE

358B6203AB 1 1

REVISIONS

NOTES :

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



THIRD ANGLE PROJECTION

APPLIED DIMENSIONS ARE IN INCHES	MODEL	SIGNATURES	DATE
<p>FOR ADDITIONAL INFO REFER TO:</p> <p>APPLIED DIMENSIONS ARE IN INCHES</p> <p>1 PL DECIMALS ± .</p> <p>2 PL DECIMALS ± .</p> <p>3 PL DECIMALS ± .</p> <p>ANGLES ± .</p> <p>FRACTIONS ± .</p> <p>FINISH</p>	<p>DETAIL</p> <p>AMMD 12/12/02</p> <p>GEORGE SODIMANI 12/12/02</p> <p>ENGG GANNON RAIT 12/12/02</p> <p>WRS</p> <p>QUALITY</p> <p>ISSUED</p> <p>SODIMANI 12/13/02</p>	<p>GENERAL ELECTRIC COMPANY</p> <p>Systems</p>	<p>TITLE</p> <p>404TS - CAST IRON ODP FOOTED</p> <p>358B6203AB</p>

SCALE: DRAWING SCALE

SHEET 1 OF 1

Marks:

**Connection Diagram**  
**GEM2034E-FIG8**

