

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5KS256ATE206A</b>
<b>Catalog Number:</b>	<b>E7754</b>
<b>Instruction Manual:</b>	GEI-M1023
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	358B6216AB

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>5KS256ATE206A</b>	<b>Estimated Weight:</b>	188 Lbs
<b>Outline Drawing:</b>	358B6216AB	<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>	25AD1006C	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	256T	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	4	<b>Nominal Efficiency:</b>	93 %
<b>Output Power:</b>	20HP 14.8KW	<b>Guaranteed Efficiency:</b>	91.7
<b>RPM:</b>	1765	<b>3/4 Load Efficiency:</b>	93.7
<b>Voltage:</b>	200	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	5.9
<b>Amps - FL:</b>	54.8	<b>Power Factor:</b>	83.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6310ZZ
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6208ZZ

Enclosure is Dripproof

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

4 POLE ODP  
 LRA: 359.1 AMPS  
 NO OF MOTOR LEADS: 3  
 CONDUIT BOX VOLUME (IN<sup>3</sup>): 110.9  
 CONDUIT BOX MTL: STAMPED STEEL  
 GREASE TYPE: SHELL ALVANIA R3 LITHIUM GREASE  
 50 HZ DATA: 20 HP, 200V, 61.3 AMPS @ 1.0 SF, 1470 RPM  
 SOUND POWER: 72.3  
 INVERTER DUTY PER NEMA MG1 PART 31  
 FOR VARIABLE TORQUE LOADS

**Performance Characteristics**

1st Winding 1st Connection

**Design: 25AD1006C**

**Marks:**

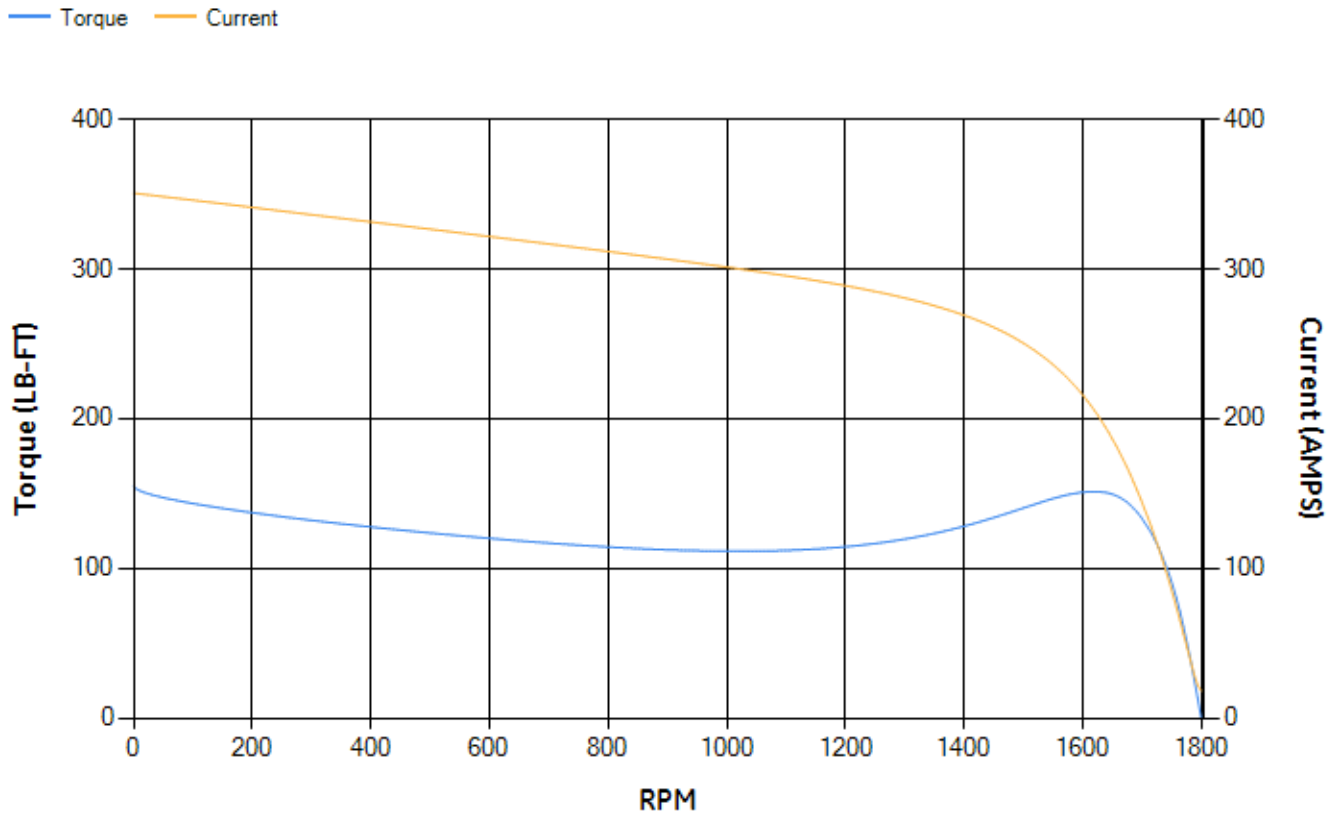
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.1	92.54	93.29	93.65	93.44	90.64	0.00
% PF	85.12	85.02	84.39	81.38	73.42	52.59	5.21
AMPS	68.65	62.93	54.69	42.37	31.38	22.58	18.16

<b>TORQ(FL)#FT</b>	59.43	<b>TORQ(LR)%FL</b>	261.13	<b>TORQ(BD)%FL</b>	252.72
<b>AMPS(LR)</b>	350.68	<b>PF AT START</b>	0.43		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 683 Lb-Ft Sq (28.75 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 37 seconds. Safe stall time at 100% voltage is 64 seconds cold, 56 seconds hot. Rotor inertia is 2.27 Lb-Ft Sq (0.1 Kg-meter Sq).

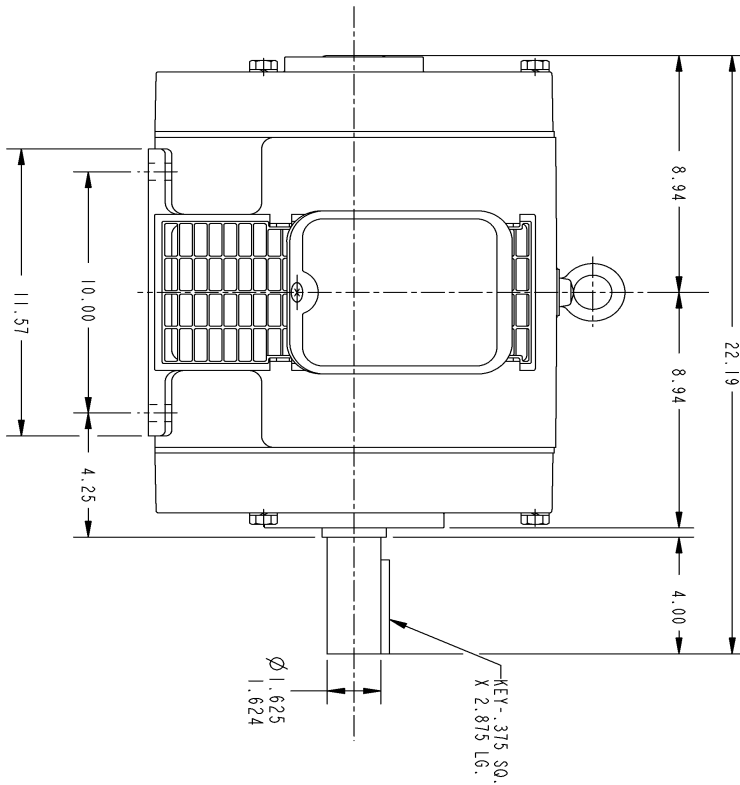
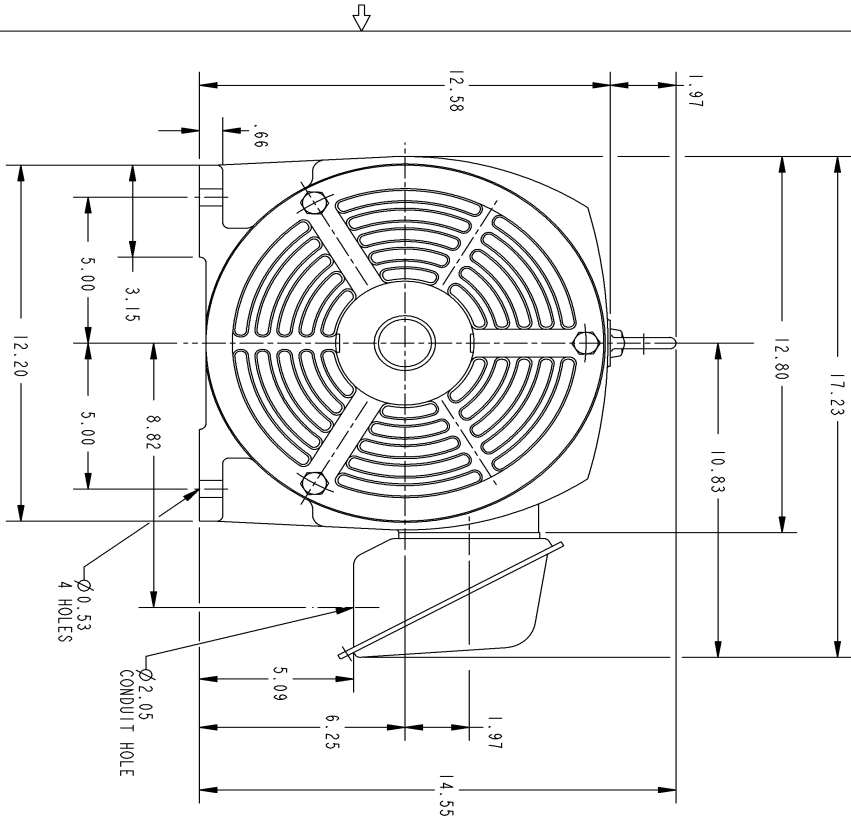
<b>Open Circuit A-C:</b>	0.433	<b>Short Circuit D-C:</b>	0.018
<b>Short Circuit A-C:</b>	0.019	<b>X/R Ratio:</b>	6.931
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	40

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



NAME:501452442 OBJECT:358B6216AB DATE:23-May-07 23:53:38

Marks:



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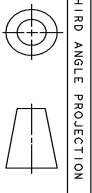
GE PROPRIETARY INFORMATION

REVISIONS

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

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	P. RAJU	03/27/03
TOLERANCE ON:	CHECKED	PRABHAKAR
2 PL DECIMALS ± .	ENGR	03/27/03
3 PL DECIMALS ± .	ISSUED	PRABHAKAR
ANGLES ± 1°	APPLIED PRACTICES	03/27/03

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

**OUTLINE**  
**256T - OPEN DRIP PROOF**

**358B6216AB**

SCALE: DRAWING SCALE  
 SHEET 1 OF 1

DISTRIBUTION:

Marks:

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

