

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5KS284ATE204A</b>
<b>Catalog Number:</b>	<b>E7652</b>
<b>Instruction Manual:</b>	GEI-M1023
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	358B6217AA

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		

Table of Contents	
Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04

**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS284ATE204A</b>	<b>Estimated Weight:</b>	450 Lbs
<b>Outline Drawing:</b>	358B6217AA	<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>	28AD1010B	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	284T	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	4	<b>Nominal Efficiency:</b>	93.6 %
<b>Output Power:</b>	25HP 18.5KW	<b>Guaranteed Efficiency:</b>	92.4
<b>RPM:</b>	1775	<b>3/4 Load Efficiency:</b>	93.9
<b>Voltage:</b>	575	<b>KVA Code:</b>	H
<b>Hertz:</b>	60	<b>Max KVAR:</b>	11.4
<b>Amps - FL:</b>	25.6	<b>Power Factor:</b>	75.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6312ZZ
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6211ZZ

Enclosure is Dripproof

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

4 POLE DRIP PROOF  
 CONDUIT BOX MATERIAL: STAMPED STEEL  
 CONDUIT BOX VOL: 244 CU IN  
 NO. OF MOTOR LEADS: 3  
 NOT USEABLE AT 200 VOLTS  
 GREASE TYPE: SHELL ALVANIA R3 LITHIUM  
 SOUND POWER DATA: 74.5  
 INVERTER DUTY PER NEMA MG1 PART 31  
 FOR VARIABLE TORQUE LOADS

**Performance Characteristics**

1st Winding 1st Connection

**Design: 28AD1010B**

**Marks:**

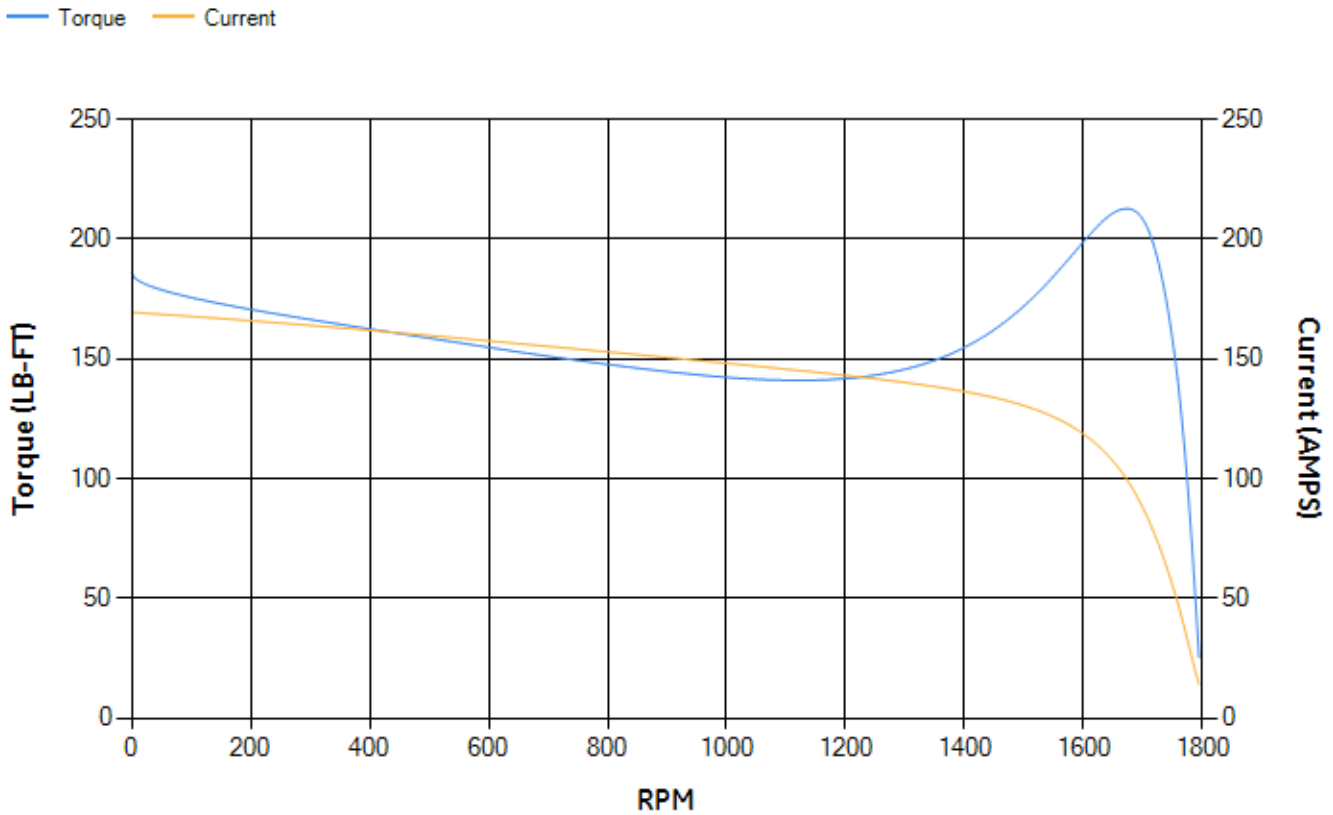
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.61	93.8	94.18	93.93	93.01	88.96	0.00
% PF	80.84	80.05	78.25	72.75	61.68	40.04	4.5
AMPS	30.92	28.67	25.4	20.54	16.32	13.14	11.63

<b>TORQ(FL)#FT</b>	73.77	<b>TORQ(LR)%FL</b>	251.98	<b>TORQ(BD)%FL</b>	287.42
<b>AMPS(LR)</b>	169.43	<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 995 Lb-Ft Sq (41.89 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 43 seconds. Safe stall time at 100% voltage is 73 seconds cold, 65 seconds hot. Rotor inertia is 3.85 Lb-Ft Sq (0.16 Kg-meter Sq).

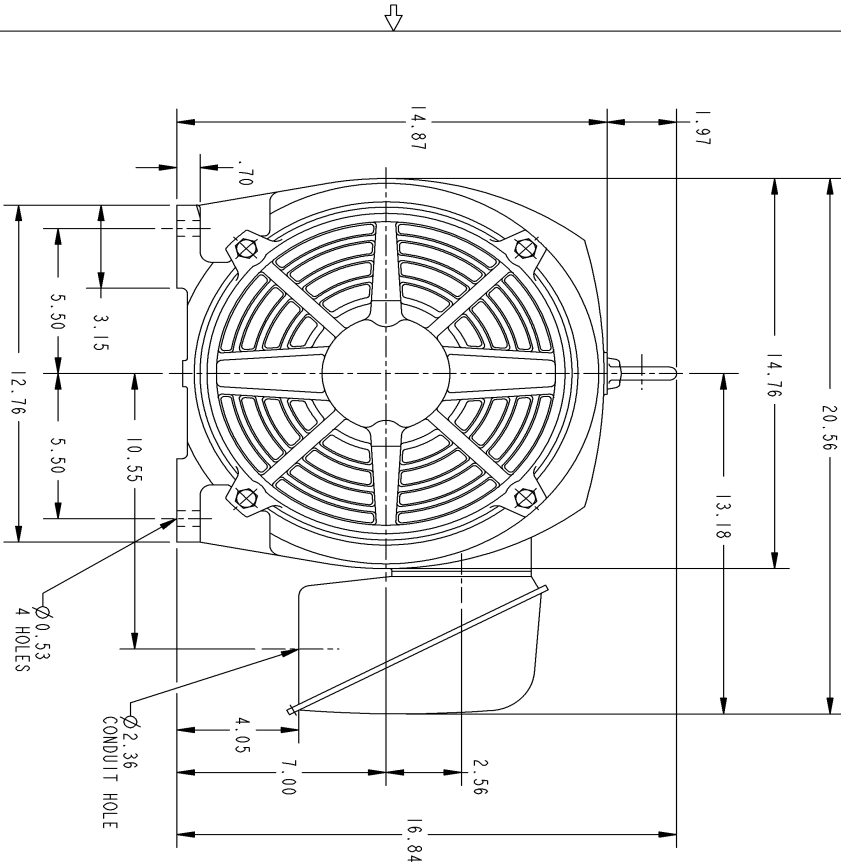
<b>Open Circuit A-C:</b>	0.463	<b>Short Circuit D-C:</b>	0.023
<b>Short Circuit A-C:</b>	0.027	<b>X/R Ratio:</b>	8.627
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	40

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

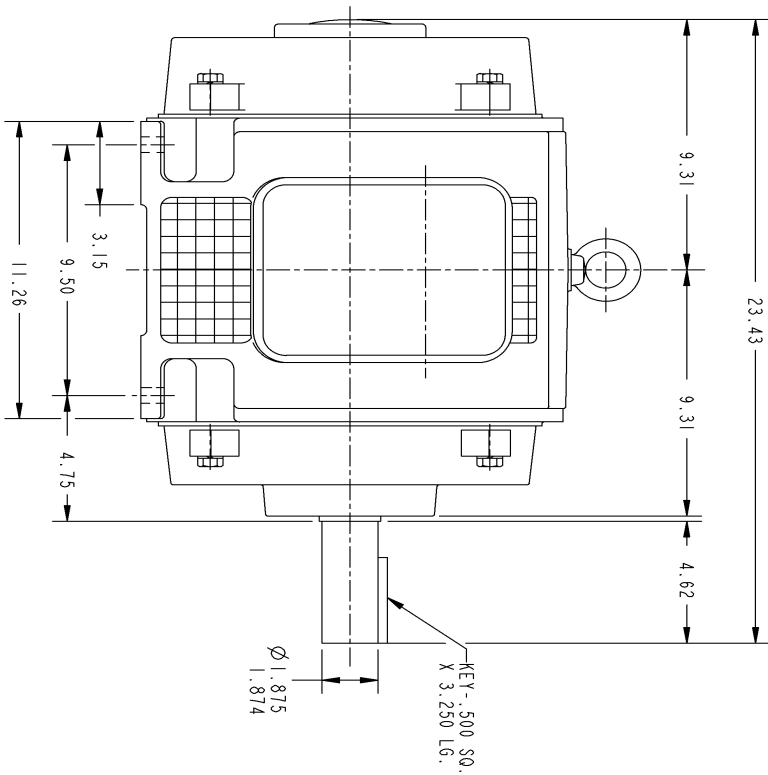


NAME:501452442 OBJECT:358B6217AA DATE:15-May-07 15:32:08

Marks:



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

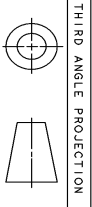


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SIZE: DRAWING FOR  
B 358B6217AA

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	ISAAC 07-0770	05/03/07	R. KOHNE



THIRD ANGLE PROJECTION

SIGNATURES	DATE
DRWN: P. RAJU 03/27/03	
CHECKED: PRADHAKAR 03/27/03	
ENGR: ENGR	
ISSUED: PRADHAKAR 03/27/03	

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCE ON:  
2 PL. DECIMALS ± .01  
3 PL. DECIMALS ± .005  
ANGLES ± 1°

GE Industrial Systems  
GENERAL ELECTRIC COMPANY  
Fort Wayne, Indiana

OUTLINE

284T - OPEN DRIP PROOF

SIZE: DRAWING B  
358B6217AA

SCALE: DRAWING SCALE

REV. 1  
SHEET 1 OF 1

DISTRIBUTION:

Marks:

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

