

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5KS286ATE205F2RG3</b>
<b>Catalog Number:</b>	<b>E7071</b>
<b>Instruction Manual:</b>	GEI-M1023
<b>Connection Diagram:</b>	GEM2034E-FIG10
<b>Outline Drawing:</b>	358B6217AE

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>5KS286ATE205F2RG3</b>	<b>Estimated Weight:</b>	465 Lbs
<b>Outline Drawing:</b>	358B6217AE	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG10	<b>Enclosure:</b>	DP
<b>Instruction Book:</b>	GEI-M1023	<b>Encl Construction:</b>	OPEN
<b>Design Code:</b>	28AD1011A	<b>Ambient Max(°C):</b>	-20/40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	286T	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	4	<b>Nominal Efficiency:</b>	94.1 %
<b>Output Power:</b>	30HP 22.2KW	<b>Guaranteed Efficiency:</b>	93.0
<b>RPM:</b>	1775	<b>3/4 Load Efficiency:</b>	94.6
<b>Voltage:</b>	230/460	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	9.1
<b>Amps - FL:</b>	72.4/36.2	<b>Power Factor:</b>	82.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6312ZZ
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6310ZZ

Enclosure is Dripproof

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

MADE FROM MODEL 5KS286ATE205F2  
 ADD AEGIS GROUND RING  
 MOD AMSTUTZ 15-NOV-2011

**Performance Characteristics**

1st Winding 1st Connection

**Design: 28AD1011A**

**Marks:**

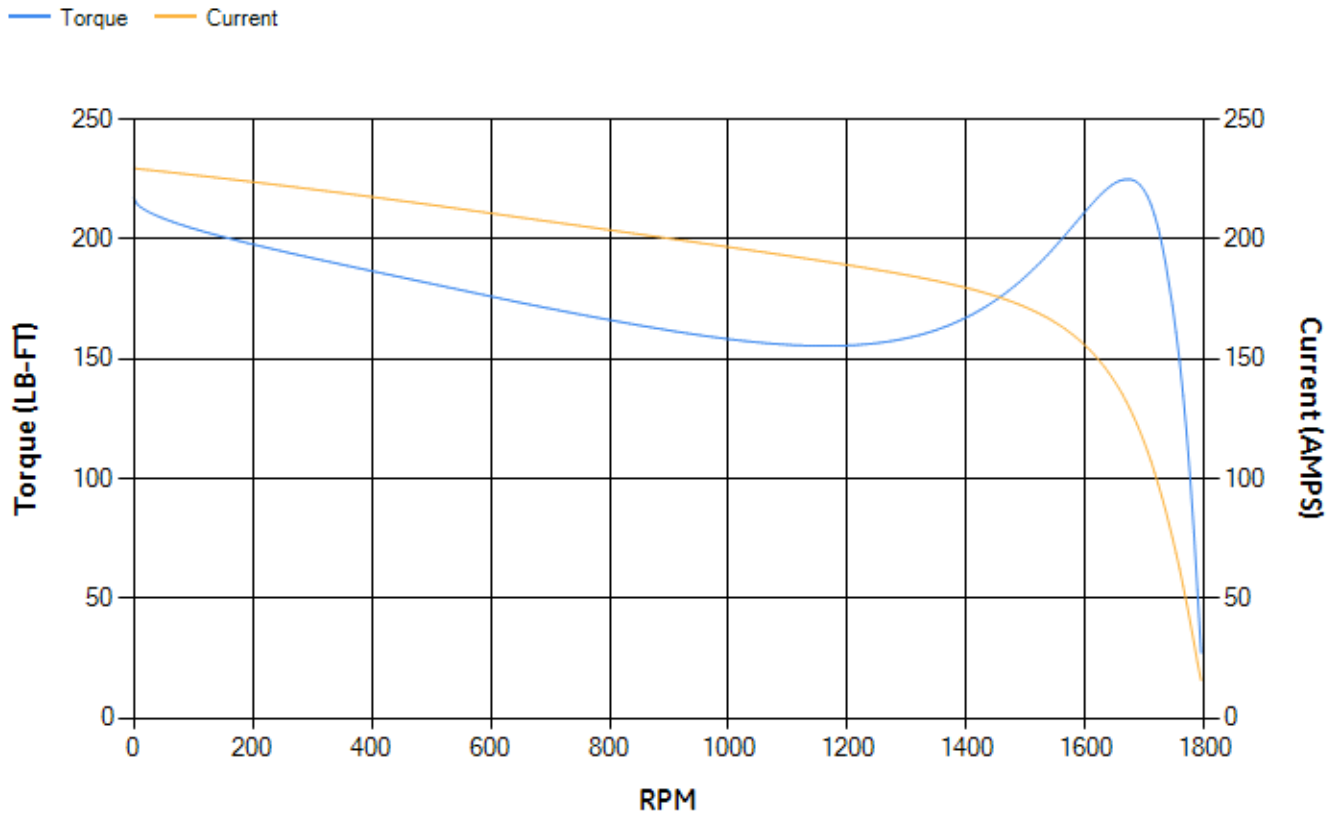
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.54	93.86	94.44	94.57	94.18	91.37	0.00
% PF	84.21	84.19	83.66	80.83	73.14	52.66	4.95
AMPS	44.55	40.86	35.54	27.55	20.38	14.59	11.61

<b>TORQ(FL)#FT</b>	88.69	<b>TORQ(LR)%FL</b>	245.01	<b>TORQ(BD)%FL</b>	252.82
<b>AMPS(LR)</b>	229.54	<b>PF AT START</b>	0.4		

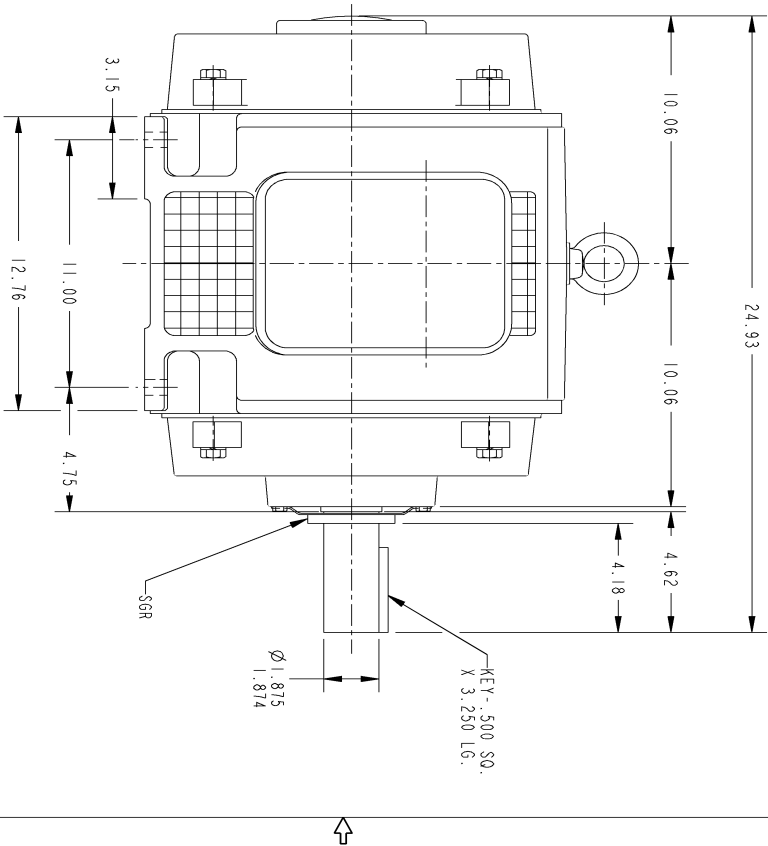
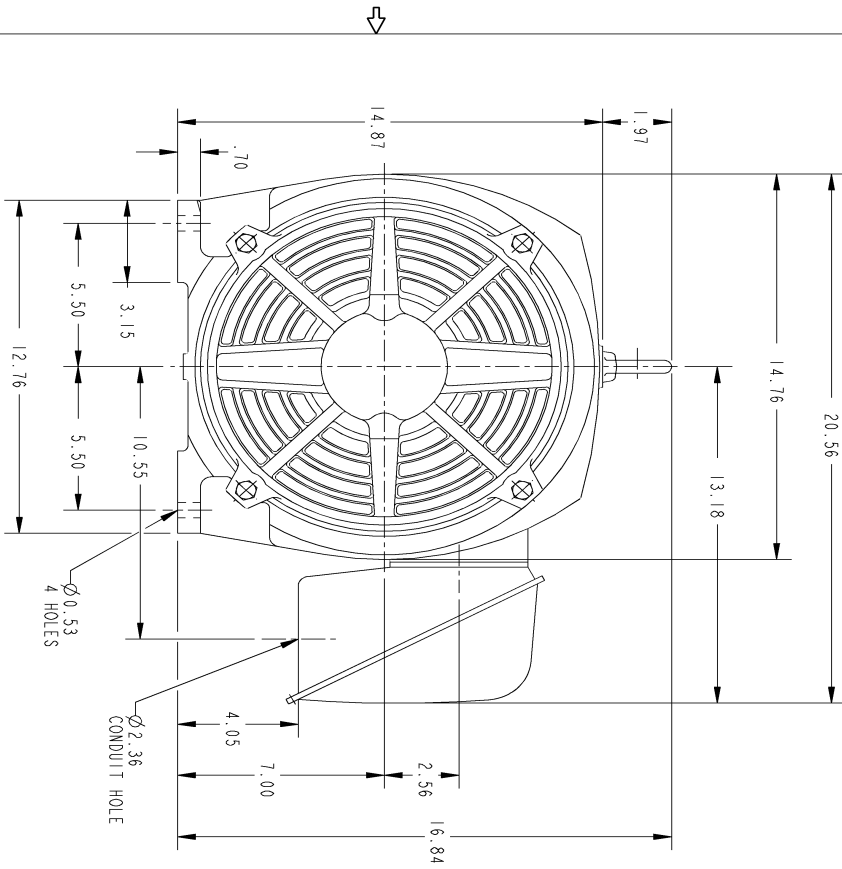
This motor is capable of two cold or one hot start with a maximum connected load inertia of 1024 Lb-Ft Sq (43.11 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 40 seconds. Safe stall time at 100% voltage is 68 seconds cold, 59 seconds hot. Rotor inertia is 4.9 Lb-Ft Sq (0.21 Kg-meter Sq).

<b>Open Circuit A-C:</b>	0.605	<b>Short Circuit D-C:</b>	0.022
<b>Short Circuit A-C:</b>	0.026	<b>X/R Ratio:</b>	8.238
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	40

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

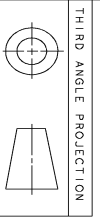


Marks:



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.



SIZE DRAWING NO. **B** REV SHEET **0** | **1**

**358B627AE**

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES		DATE	<p><b>GENERAL ELECTRIC COMPANY</b></p> <p><b>OUTLINE</b></p> <p><b>286T - OPEN DRIP PROOF WITH SGR</b></p>
MODEL	VENKAT	01/15/11	
DETAIL	VENKAT J	01/15/11	
CHECKED	VENKAT J	01/15/11	
ENGRS			
ISSUED	VENKAT	01/15/11	<p>SIZE DRAWING <b>B</b></p> <p>SCALE: DRAWING SCALE <b>358B627AE</b></p> <p>REV <b>0</b></p> <p>SHEET 1 of 1</p>

Marks:

**Connection Diagram**  
**GEM2034E-FIG10**

