

Product Information Packet

November 7, 2016

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

Model Number:	5KS404ATE308A
Catalog Number:	E7029
Instruction Manual:	GEI-M1023
Connection Diagram:	GEM2034E-FIG8
Outline Drawing:	358B6203AA

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KS404ATE308A	Estimated Weight:	1150 Lbs
Outline Drawing:	358B6203AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG8	Enclosure:	DP
Instruction Book:	GEI-M1023	Encl Construction:	OPEN
Design Code:	40AD3002A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	404T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	6	Nominal Efficiency:	94.5 %
Output Power:	60HP 44.4KW	Guaranteed Efficiency:	93.6
RPM:	1185	3/4 Load Efficiency:	94.8
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	18.3
Amps - FL:	71.2	Power Factor:	81.5
Service Factor:	1.15	Bearing - DE:	6317
Alt Service Factor:	--	Bearing - ODE:	6313

Enclosure is Dripproof

Stamped Nameplate Notes:**Additional Information:**

6 POLE DP
 LRA: @ 460 VOLTS: 447.7
 NO. OF MOTOR LEADS: 6
 CONDUIT BOX VOLUME (IN³): 1240
 CONDUIT BOX MTL: STAMPED STEEL
 GREASE TYPE: CHEVRON SRI-2 POLYUREA GREASE
 NOT USABLE AT 200V
 50 HZ DATA: 60HP, 400V, 83.3 AMPS AT 1.0SF @985 RPM
 SOUND POWER: 78.7
 DMK, 06/04, UPDATED 2/2005
 INVERTER DUTY PER NEMA MG1 PART 31
 FOR VARIABLE TORQUE LOADS

Performance Characteristics

1st Winding 1st Connection

Design: 40AD3002A

Marks:

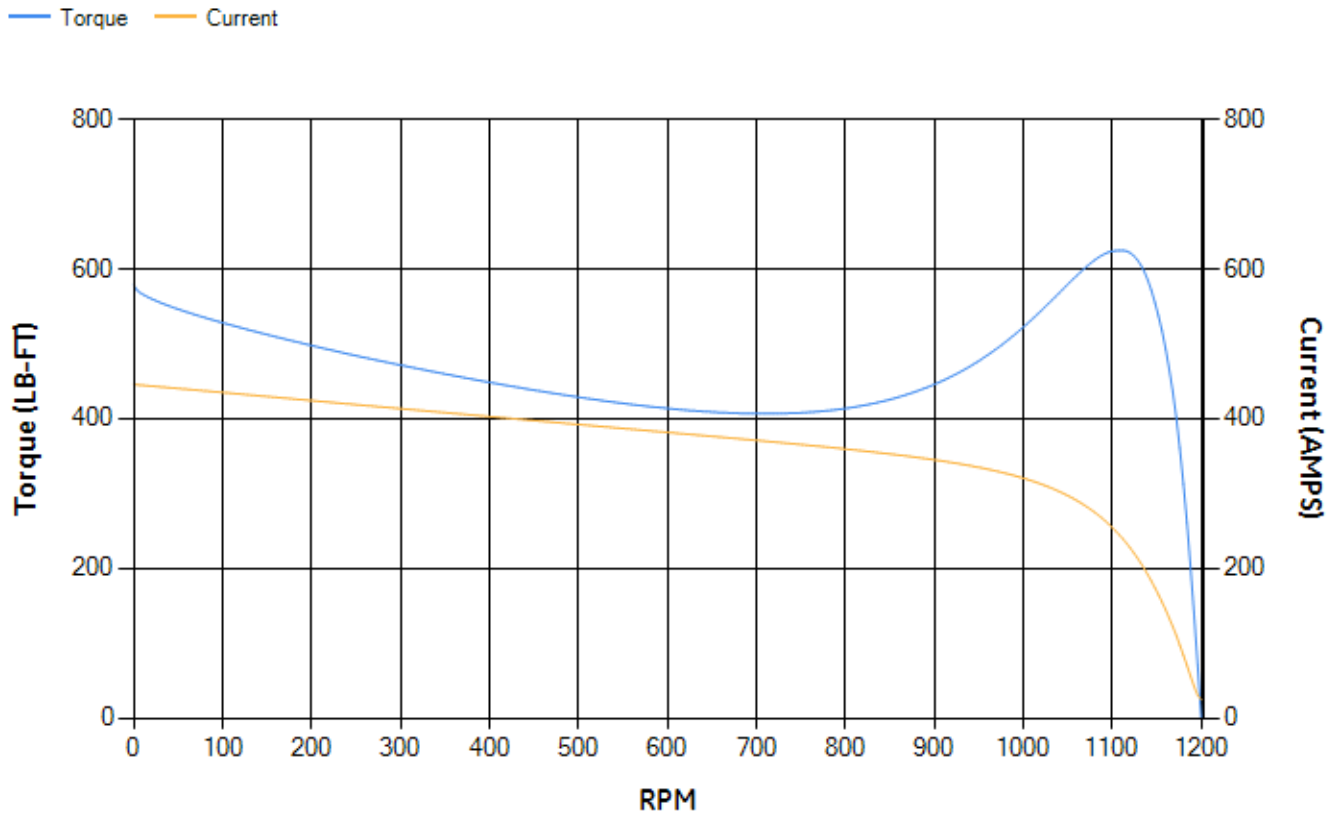
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.64	93.98	94.6	94.8	94.56	92.11	0.00
% PF	84.34	84.27	83.65	80.57	72.36	51.07	4.19
AMPS	88.88	81.54	70.97	55.14	41.03	29.85	24.46

TORQ(FL)#FT	265.92	TORQ(LR)%FL	217.65	TORQ(BD)%FL	234.12
AMPS(LR)	445.7	PF AT START	0.38		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 4175 Lb-Ft Sq (175.77 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 42 seconds. Safe stall time at 100% voltage is 72 seconds cold, 56 seconds hot. Rotor inertia is 29.05 Lb-Ft Sq (1.22 Kg-meter Sq).

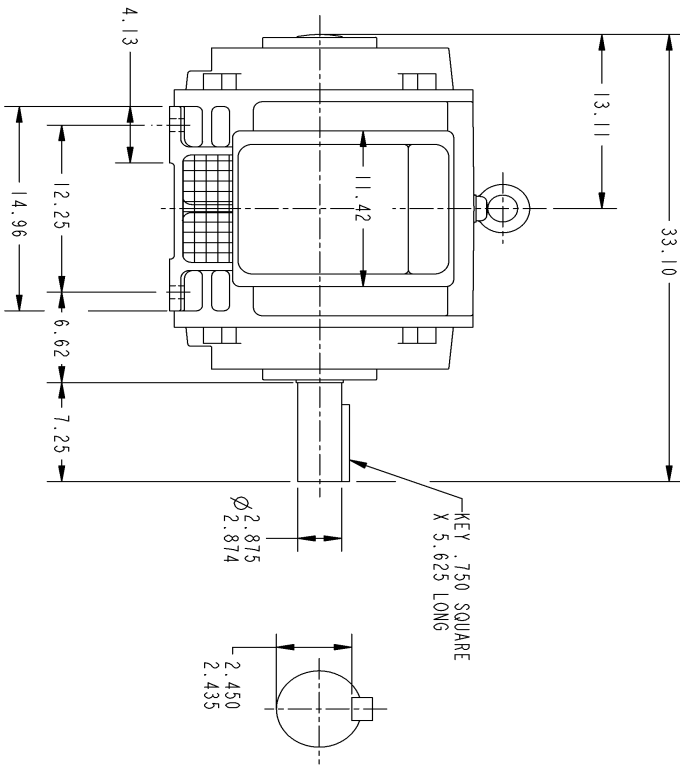
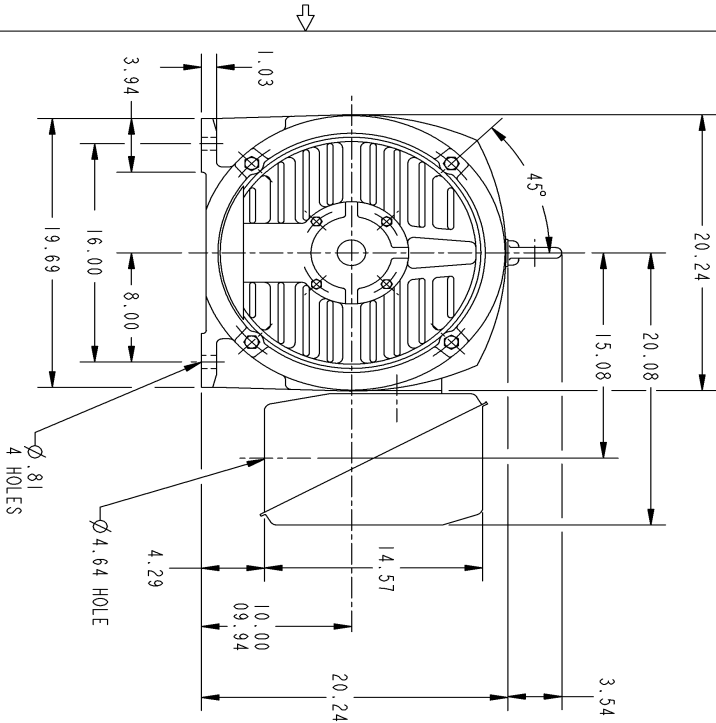
Open Circuit A-C:	0.592	Short Circuit D-C:	0.024
Short Circuit A-C:	0.032	X/R Ratio:	9.186
Stator Slots:	72	Rotor Slots:	58

Speed Torque Current Curve (First Connection, First Speed)



NAME:500903578 OBJECT:358B6203AA DATE:04-May-07 10:52:23

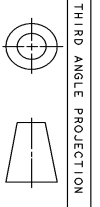
Marks:



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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 ASW AS SHOWN.
3. F-2 ASW - HAS CONDUIT BOX ON OPPOSITE SIDE.



FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE	GENERAL ELECTRIC COMPANY		
APPLIED PRACTICES	MODEL		OUTLINE 404T - CAST IRON ODP FOOTED 358B6203AA		
DIMENSIONS ARE IN INCHES	REVIEW		SIZE	DRAWING	REV
TOLERANCE ON:	DESIGNED	12/12/02	B		1
1 PL DECIMALS ± .	SUPPLIERS	12/12/02	SCALE:	DRAWING SCALE	
2 PL DECIMALS ± .	ENGINEER	12/12/02			
3 PL DECIMALS ± .	WKS				
ANGLES ± .	QUALITY				
FRACTIONS ± .	ISSUED	12/13/02			
FINISH	SOLID MODEL				
MATERIAL	SOLID MODEL				

Marks:

Connection Diagram
GEM2034E-FIG8

