GE
Power Conversion

Product Information Packet

November 7, 2016

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

Model Number:	**5KS444ATE218A**
Catalog Number:	**E7259**
Instruction Manual:	GEI-M1023
Connection Diagram:	GEM2034E-FIG8
Outline Drawing:	358B6204AB

Accessory Connection Diagrams

Bearing Thermocouple:	None	**Heater:**	None
RTD:	None	**Thermistor:**	None
Thermostat:	None	**Winding Thermocouple:**	None
Bearing RTD:	None		

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imagination at work

Marks:

MODEL NUMBER:	**5KS444ATE218A**	**Estimated Weight:**	1540 Lbs
Outline Drawing:	358B6204AB	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG8	**Enclosure:**	DP
Instruction Book:	GEI-M1023	**Encl Construction:**	OPEN
Design Code:	44AD1003A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	444TS	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	A
Poles:	4	**Nominal Efficiency:**	95.8 %
Output Power:	150HP 111KW	**Guaranteed Efficiency:**	95.0
RPM:	1785	**3/4 Load Efficiency:**	95.7
Voltage:	460	**KVA Code:**	H
Hertz:	60	**Max KVAR:**	33.2
Amps - FL:	166	**Power Factor:**	87
Service Factor:	1.15	**Bearing - DE:**	6318
Alt Service Factor:	--	**Bearing - ODE:**	6318

Enclosure is Dripproof

Stamped Nameplate Notes:

Additional Information:

4 POLE DP
LRA @ 460 V:1192 AMPS
NO. OF MOTOR LEADS: 12
CONDUIT BOX VOLUME (IN^3): 1240
CONDUIT BOX MTL: STAMPED STEEL
GREASE TYPE: CHEVRON SRI-2 POLYUREA GREASE
NOT USABLE AT 200V
50 HZ DATA: 150HP, 400V, 195 AMPS AT 1.0SF, 1485 RPM
SOUND POWER: 85
DMK, 06/04, DATA UPDATE 4/2005
INVERTER DUTY PER NEMA MG1 PART 31
FOR VARIABLE TORQUE LOADS

Performance Characteristics 1st Winding 1st Connection **Design: 44AD1003A**

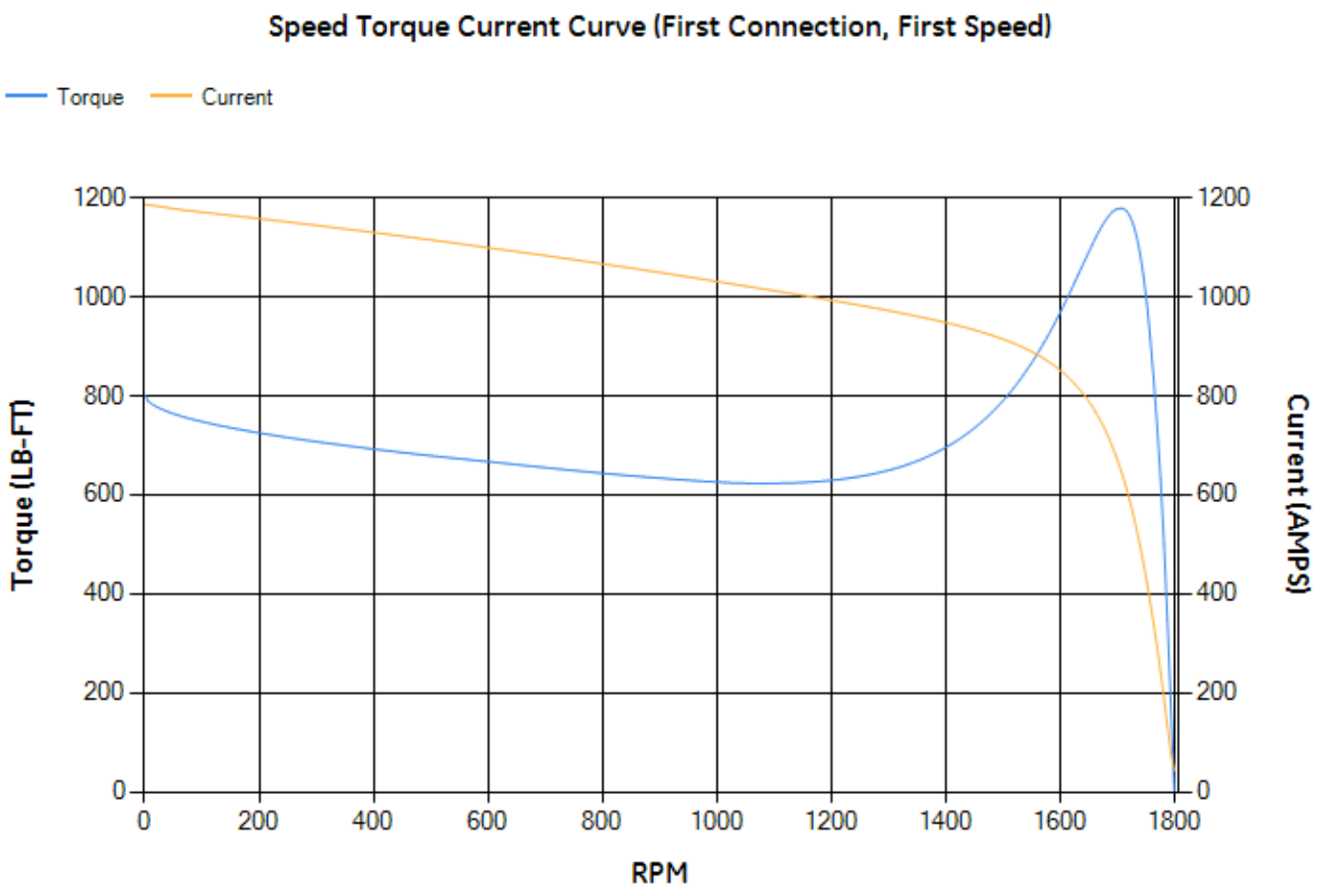
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.16	95.36	95.8	95.75	95.34	92.9	0.00
% PF	88.61	88.78	88.67	87.1	81.73	63.71	5.48
AMPS	208.12	190.71	165.28	126.25	90.09	59.3	42.99

TORQ(FL)#FT	441.11	**TORQ(LR)%FL**	181.81	**TORQ(BD)%FL**	266.53
AMPS(LR)	1186.54	**PF AT START**	0.31		

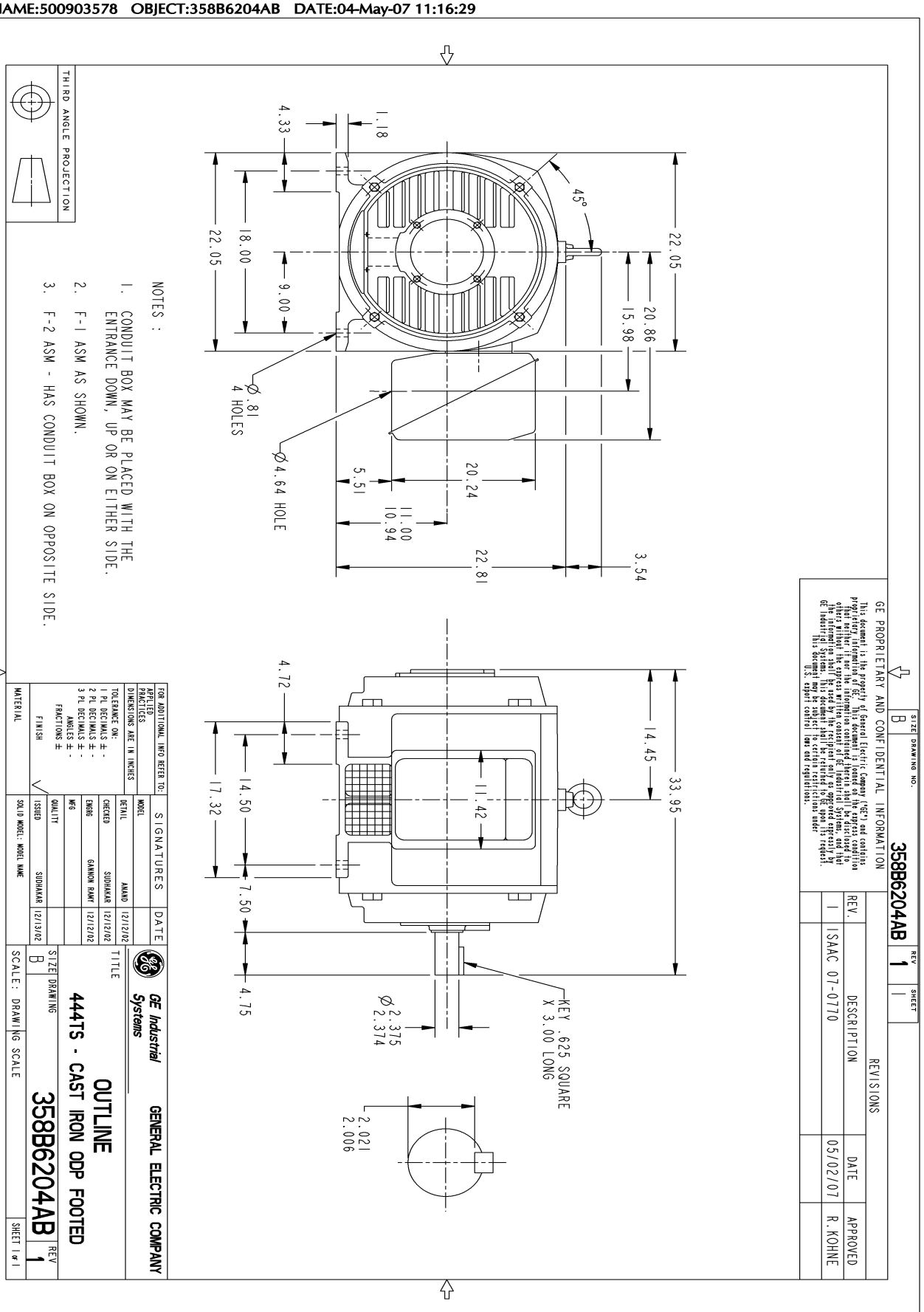
This motor is capable of two cold or one hot start with a maximum connected load inertia of 3191 Lb-Ft Sq (134.34 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 33 seconds. Safe stall time at 100% voltage is 56 seconds cold, 43 seconds hot. Rotor inertia is 48.66 Lb-Ft Sq (2.05 Kg-meter Sq).

Open Circuit A-C:	1.252	**Short Circuit D-C:**	0.031
Short Circuit A-C:	0.043	**X/R Ratio:**	11.797
Stator Slots:	60	**Rotor Slots:**	50



Marks:

NAME:500903578 OBJECT:358B6204AB DATE:04-May-07 11:16:29



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

FOR ADDITIONAL INFO REFER TO:
APPLIED PRACTICES
DIMENSIONS ARE IN INCHES
TOLERANCE ON:
1 PL DEC MALS ± -
2 PL DEC MALS ± -
3 PL DEC MALS ± -
ANGLES ± -
FRACTIONS ±
FINISH
MATERIAL

SIGNATURES	DATE
MODEL	
DETAIL ANAND	12/12/02
CHECKED SUDHAKAR	12/12/02
ENGRG GANNON RAMY	12/12/02
MFG	
QUALITY	
ISSUED SUDHAKAR	12/13/02

SOLID MODEL: MODEL NAME

GE Industrial Systems

GENERAL ELECTRIC COMPANY

TITLE

OUTLINE

444TS - CAST IRON ODP FOOTED

SIZE B | DRAWING 358B6204AB | REV 1

SCALE: DRAWING SCALE | SHEET 1 of 1

SIZE B | DRAWING NO. 358B6204AB | REV 1 | SHEET

REVISIONS

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

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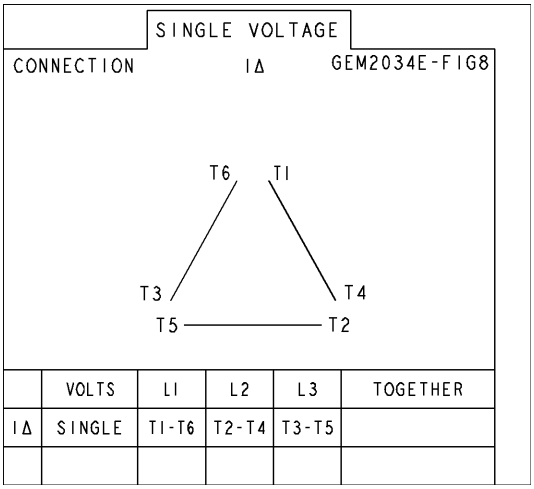
Connection Diagram

GEM2034E-FIG8



	VOLTS	L1	L2	L3	TOGETHER
1Δ	SINGLE	T1-T6	T2-T4	T3-T5	