

Product Information Packet

November 7, 2016

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

Model Number:	5KS445ATE218A
Catalog Number:	E7360
Instruction Manual:	GEI-M1023
Connection Diagram:	GEM-M1010
Outline Drawing:	358B6204AD

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:	5KS445ATE218A	Estimated Weight:	1610 Lbs
Outline Drawing:	358B6204AD	Time Rating:	CONT
Connection Diagram:	GEM-M1010	Enclosure:	DP
Instruction Book:	GEI-M1023	Encl Construction:	OPEN
Design Code:	44AD1004A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	445TS	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	4	Nominal Efficiency:	95.8 %
Output Power:	200HP 148KW	Guaranteed Efficiency:	95.0
RPM:	1785	3/4 Load Efficiency:	96.0
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	38.7
Amps - FL:	220	Power Factor:	87.5
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:1528 AMPS
 NO. OF MOTOR LEADS: 12
 CONDUIT BOX VOLUME (IN³): 1240
 CONDUIT BOX MTL: STAMPED STEEL
 GREASE TYPE: CHEVRON SRI-2 POLYUREA GREASE
 NOT USABLE AT 200 VOLTS
 50 HZ DATA: 200HP,400V, 258 AMPS AT 1.0SF, 1480 RPM
 SOUND POWER: 84
 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: 44AD1004A

Marks:

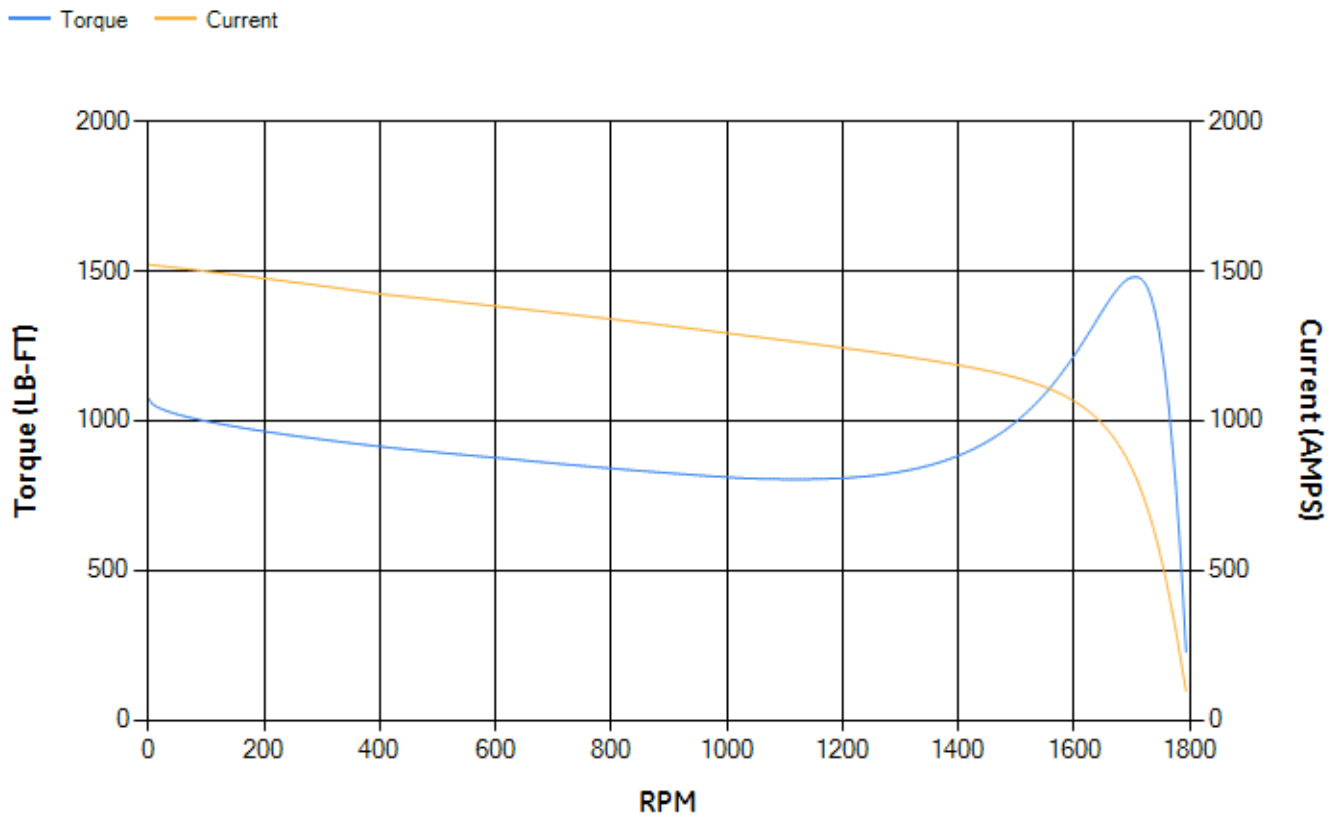
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.11	95.37	95.89	96	95.82	93.94	0.00
% PF	88.65	89.03	89.25	88.33	84.04	67.75	5.11
AMPS	277.51	253.54	218.74	165.55	116.22	73.53	50.28

TORQ(FL)#FT	588.75	TORQ(LR)%FL	182.26	TORQ(BD)%FL	250.76
AMPS(LR)	1521.32	PF AT START	0.31		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 3593 Lb-Ft Sq (151.27 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 29 seconds. Safe stall time at 100% voltage is 50 seconds cold, 34 seconds hot. Rotor inertia is 59.89 Lb-Ft Sq (2.52 Kg-meter Sq).

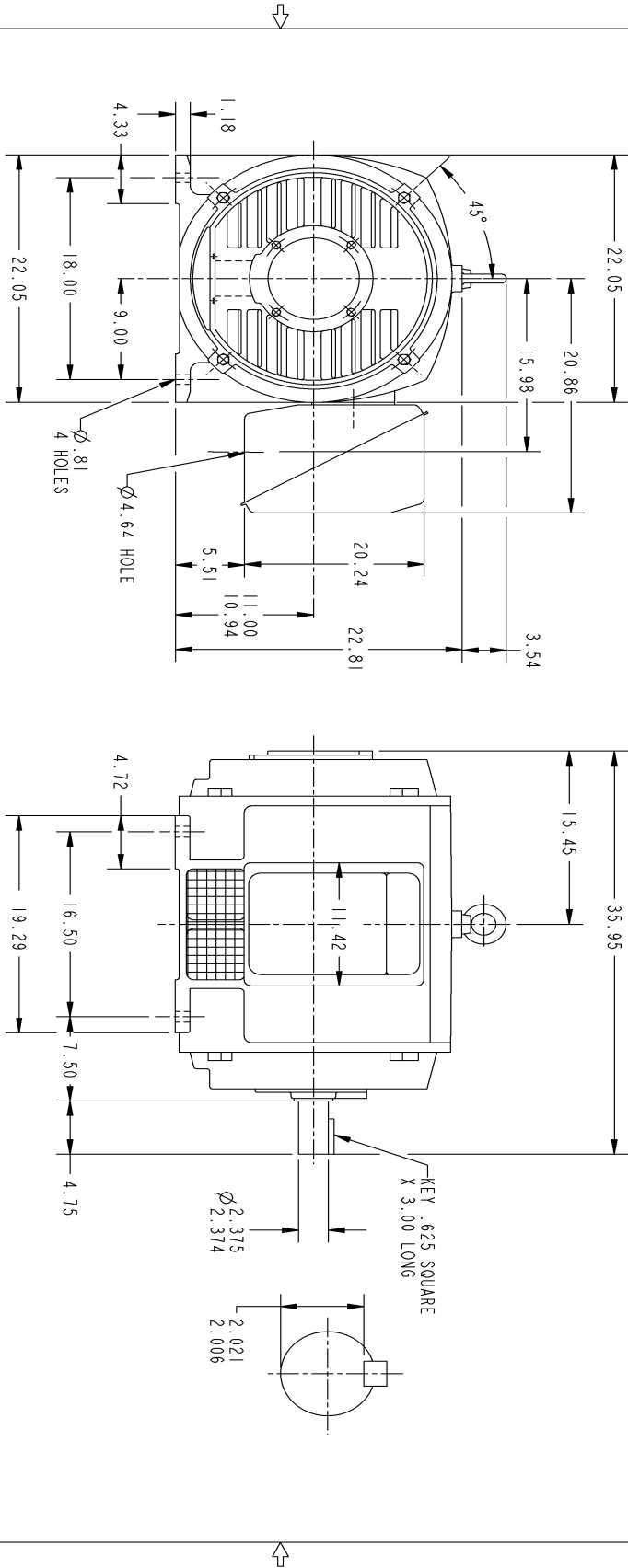
Open Circuit A-C:	1.278	Short Circuit D-C:	0.031
Short Circuit A-C:	0.04	X/R Ratio:	11.778
Stator Slots:	60	Rotor Slots:	50

Speed Torque Current Curve (First Connection, First Speed)



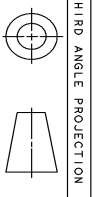
NAME:500903578 OBJECT:358B6204AD DATE:04-May-07 11:25:47

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.



THIRD ANGLE PROJECTION

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358B6204AD

REV 3

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	UPDATED WITH WAO LIFTING LUG PROBABHAKAR	06/02/04	M. FLUTTER
2	CHANGED HEIGHT OF LIFTING LUG WAS 4.35	10/06/06	R. KOHNE
3	ISAAC 07-0770	05/02/07	R. KOHNE

FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
APPLIED DIMENSIONS ARE IN INCHES	MODEL	
TOLERANCE ON:	REVISED	
1 PL DECIMALS ± .	DESIGNED	
2 PL DECIMALS ± .	ENGINEER	
3 PL DECIMALS ± .	DRAWN	
FRACTIONS ±	QUALITY	
FINISH	ISSUED	
MATERIAL	SOLID MODEL MODEL NAME	

GE Industrial Systems GENERAL ELECTRIC COMPANY

OUTLINE
 445TS - CAST IRON ODP FOOTED

358B6204AD REV 3

SCALE: B SHEET 1 of 1

Marks:

Connection Diagram GEM-M1010

