

Product Information Packet

March 10, 2017

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

Model Number:	5KS447ATE208B
Catalog Number:	E7272
Instruction Manual:	GEI-M1023
Connection Diagram:	GEM-M1010
Outline Drawing:	358B6204AE

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:	5KS447ATE208B	Estimated Weight:	1966 Lbs
Outline Drawing:	358B6204AE	Time Rating:	CONT
Connection Diagram:	GEM-M1010	Enclosure:	DP
Instruction Book:	GEI-M1023	Encl Construction:	OPEN
Design Code:	49AD1000AB	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	447T	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	95.8 %
Output Power:	250HP 185KW	Guaranteed Efficiency:	95.0
RPM:	1785	3/4 Load Efficiency:	96.2
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	40.9
Amps - FL:	271	Power Factor:	88.5
Service Factor:	1.15	Bearing - DE:	NU318
Alt Service Factor:	--	Bearing - ODE:	6318

Enclosure is Dripproof

Stamped Nameplate Notes:**Additional Information:**

4 POLE DP
 LRA @ 460 V: 1808 AMPS
 NO. OF MOTOR LEADS: 12
 CONDUIT BOX VOLUME (IN³): 1240
 CONDUIT BOX MTL: STAMPED STEEL
 GREASE TYPE: CHEVRON SRI-2 POLYUREA GREASE
 50 HZ DATA: 250HP,400V, 319 AMPS AT 1.0SF, 1480 RPM
 SOUND POWER: 85
 AMSTUTZ/NEUMANN 09-MAR-2017
 INVERTER DUTY PER NEMA MG1 PART 31
 FOR VARIABLE TORQUE LOADS

Performance Characteristics

1st Winding 1st Connection

Design: 49AD1000AB

Marks:

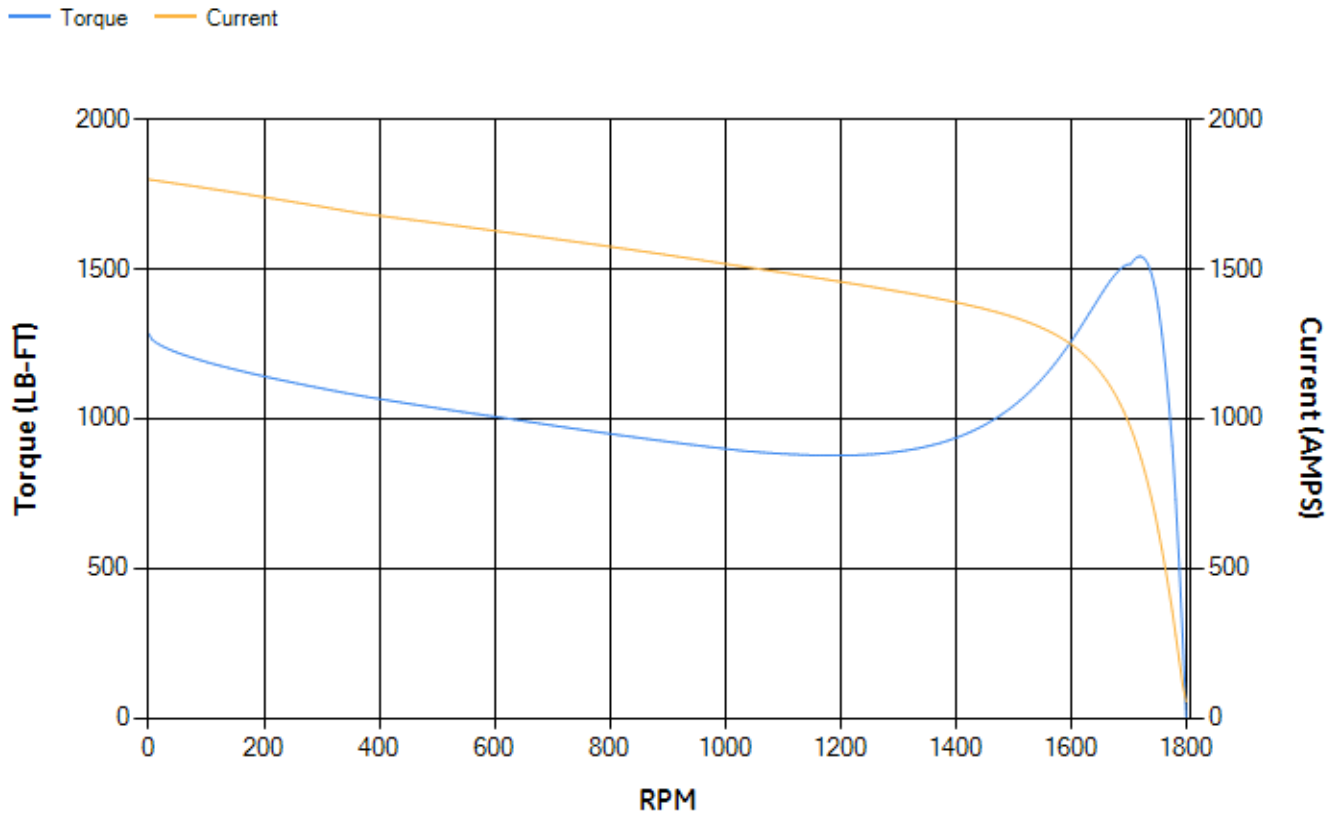
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.96	95.27	95.87	96.11	96.1	94.58	0.00
% PF	88.62	89.23	89.79	89.55	86.39	72.35	5.14
AMPS	347.57	316.52	271.82	203.91	140.92	85.48	53.94

TORQ(FL)#FT	736.95	TORQ(LR)%FL	174.17	TORQ(BD)%FL	205.34
AMPS(LR)	1799	PF AT START	0.32		

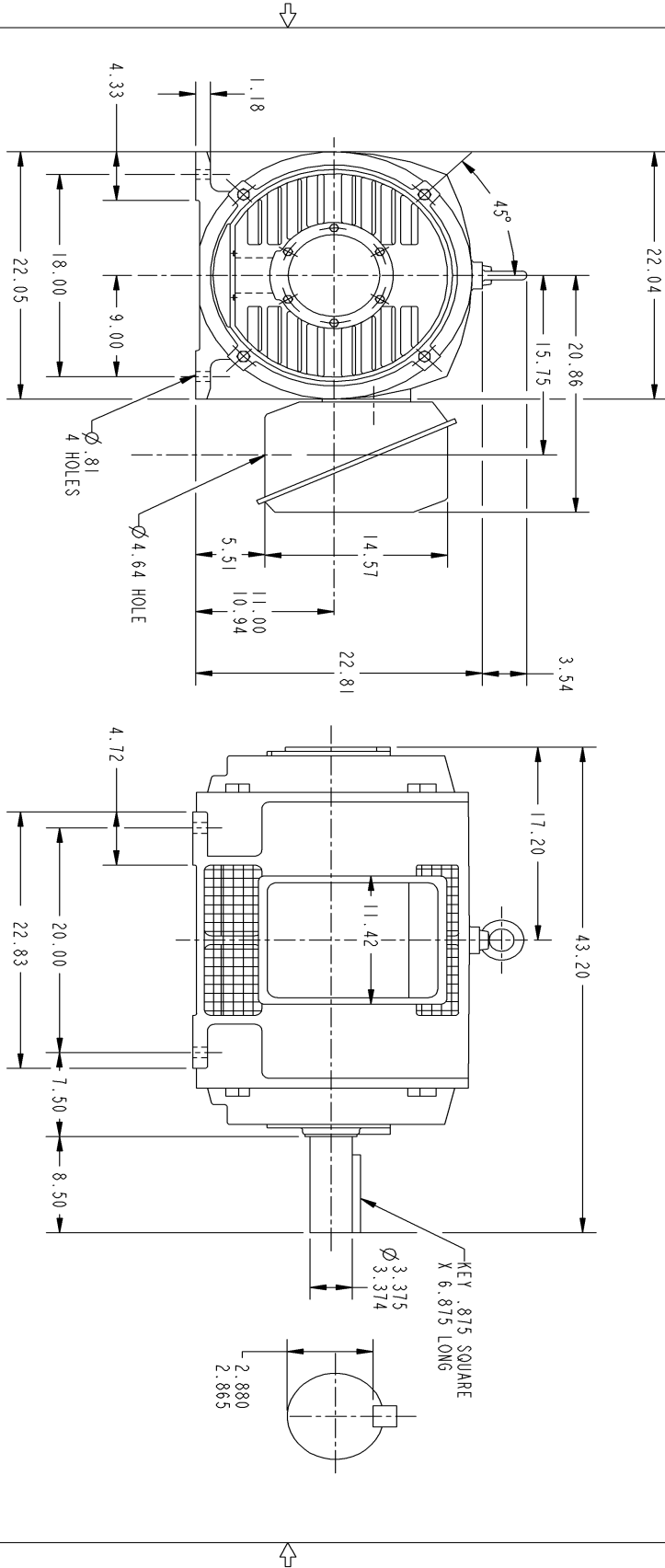
This motor is capable of two cold or one hot start with a maximum connected load inertia of 3213 Lb-Ft Sq (135.27 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 24 seconds. Safe stall time at 100% voltage is 49 seconds cold, 29 seconds hot. Rotor inertia is 74.87 Lb-Ft Sq (3.15 Kg-meter Sq).

Open Circuit A-C:	1.307	Short Circuit D-C:	0.032
Short Circuit A-C:	0.037	X/R Ratio:	11.875
Stator Slots:	60	Rotor Slots:	50

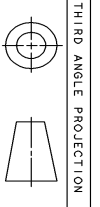
Speed Torque Current Curve (First Connection, First Speed)



Marks:



NOTE:
1. ALL DIMENSIONS ARE IN INCHES



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REV.	DESCRIPTION	DATE	APPROVED
1	ISAAC 04-2270 PRABHAKAR	09/28/04	

SIGNATURES	DATE	TITLE
MANO	12/12/02	GENERAL ELECTRIC COMPANY
RETAIL	12/12/02	
DESIGN	12/12/02	
ENGRS	12/12/02	
ISSUED	12/12/02	

SCALE: B

447T - CAST IRON ODP FOOTED

358B6204AE REV 1

Marks:

Connection Diagram GEM-M1010

