GE
Power Conversion

Product Information Packet

November 7, 2016

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

Model Number:	**5KS184ATE105AF2**
Catalog Number:	**E799**
Instruction Manual:	GEI-M1023
Connection Diagram:	GEM2034E-FIG3
Outline Drawing:	358B6214AB

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:	**5KS184ATE105AF2**	**Estimated Weight:**	108 Lbs
Outline Drawing:	358B6214AB	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG3	**Enclosure:**	DP
Instruction Book:	GEI-M1023	**Encl Construction:**	OPEN
Design Code:	18AD0004A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	184T	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	A
Poles:	2	**Nominal Efficiency:**	88.5 %
Output Power:	7.5HP 5.6KW	**Guaranteed Efficiency:**	86.5
RPM:	3490	**3/4 Load Efficiency:**	91.3
Voltage:	230/460	**KVA Code:**	H
Hertz:	60	**Max KVAR:**	1.3
Amps - FL:	17.4/18.7	**Power Factor:**	91
Service Factor:	1.15	**Bearing - DE:**	6207ZZ
Alt Service Factor:	--	**Bearing - ODE:**	6206ZZ

Enclosure is Dripproof

Stamped Nameplate Notes:

Additional Information:

OFFSET STATOR CORE NOT SUITABLE FOR F1 CONVERSION
2 POLE DP
LRA: 132.4/66.2
NO. OF MOTOR LEADS: 9
CONDUIT BOX VOLUME (IN^3): 30.2
CONDUIT BOX MTL: STAMPED STEEL
GREASE TYPE: SHELL ALVANIA R3 LITHIUM GREASE
USABLE AT 200V @ 7.5 HP, 19.9 AMPS @ 1.0 SF
50 HZ DATA: 7.5 HP, 200/400V, 20/10 AMPS @ 1.0SF, 2855 RPM
SOUND POWER: 68.4
DMK, 06/04, DATA UPDATE 11/2004
INVERTER DUTY PER NEMA MG1 PART 31
FOR VARIABLE TORQUE LOADS

Performance Characteristics 1st Winding 1st Connection **Design: 18AD0004A**

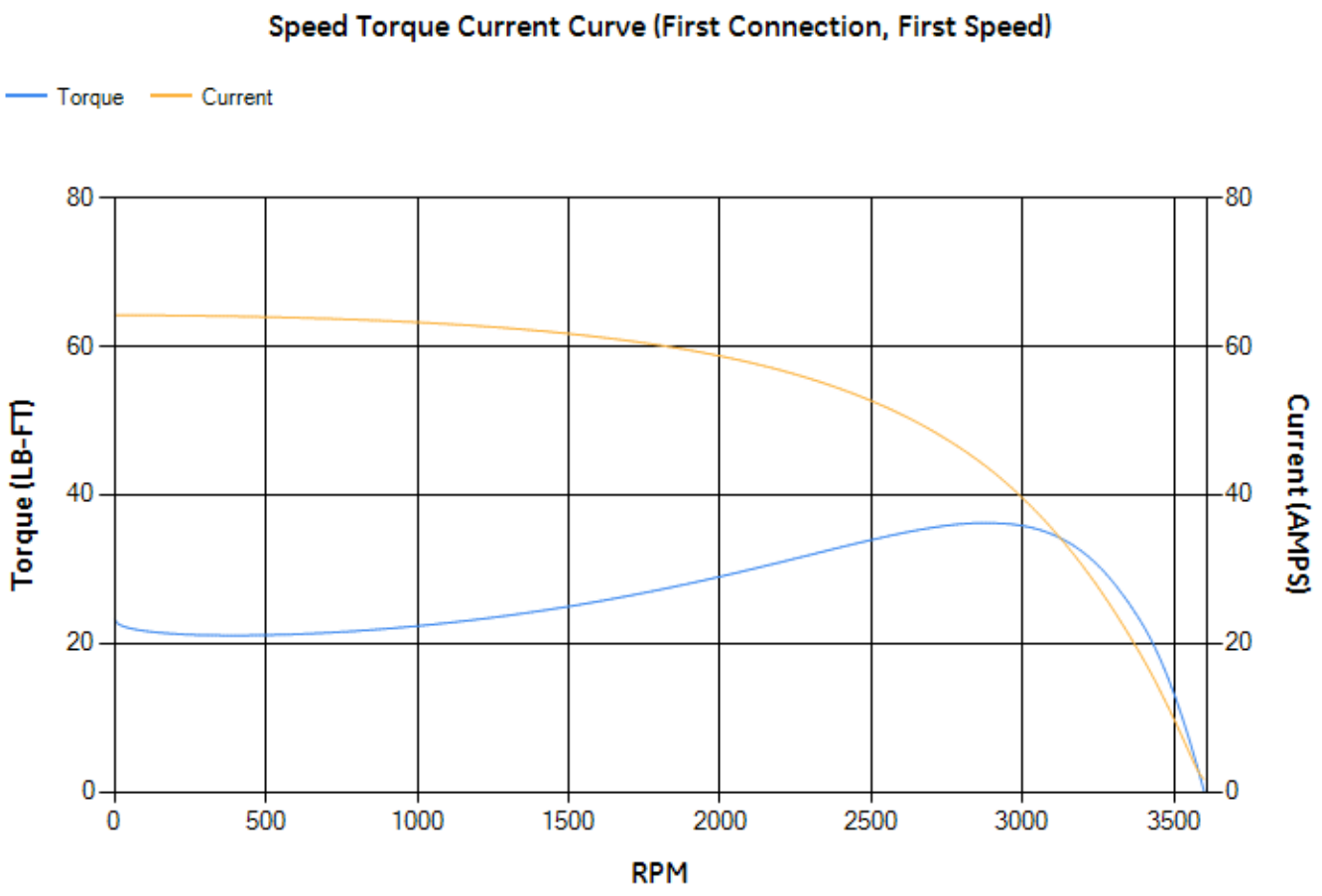
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	87.74	88.59	89.94	91.27	91.98	90.14	0.00
% PF	93.53	93.56	93.36	92.09	88.01	73.03	8.65
AMPS	10.69	9.74	8.36	6.26	4.34	2.67	1.71

TORQ(FL)#FT	11.28	**TORQ(LR)%FL**	205.92	**TORQ(BD)%FL**	315.91
AMPS(LR)	64.2	**PF AT START**	0.49		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 30 Lb-Ft Sq (1.26 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 15 seconds. Safe stall time at 100% voltage is 42 seconds cold, 25 seconds hot. Rotor inertia is 0.22 Lb-Ft Sq (0.01 Kg-meter Sq).

Open Circuit A-C:	0.448	**Short Circuit D-C:**	0.006
Short Circuit A-C:	0.01	**X/R Ratio:**	2.404
Stator Slots:	36	**Rotor Slots:**	28



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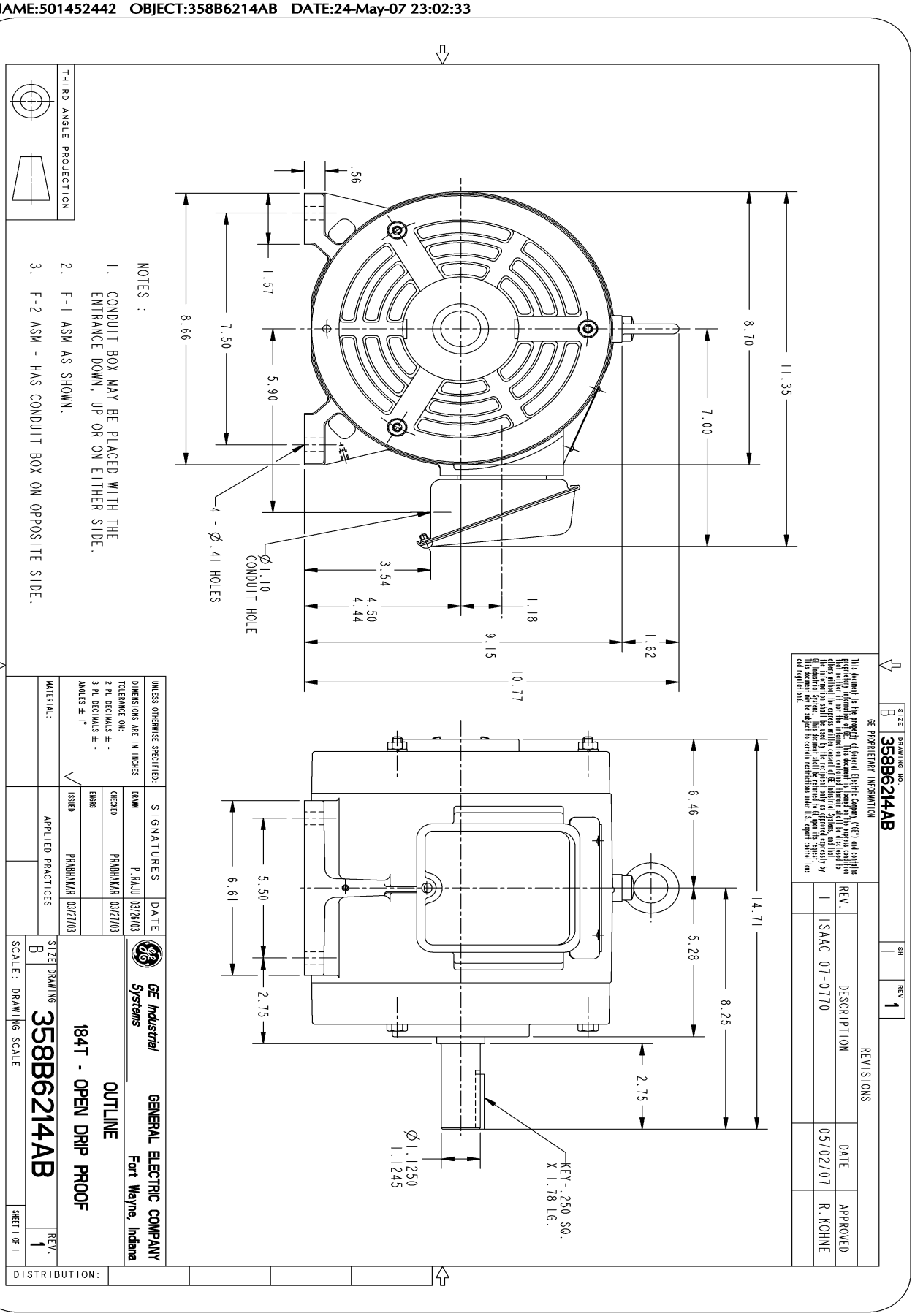

NOTES :

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

SIZE B | DRAWING NO. 358B6214AB | SH 1 | REV 1

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REVISIONS

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

	SIGNATURES	DATE
DRAWN	P.RAJU	03/26/03
CHECKED	PRABHAKAR	03/27/03
ENGRG		
ISSUED	PRABHAKAR	03/27/03

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCE ON:
2 PL DECIMALS ± -
3 PL DECIMALS ± -
ANGLES ± 1°

MATERIAL:
APPLIED PRACTICES

GE Industrial Systems
GENERAL ELECTRIC COMPANY
Fort Wayne, Indiana

OUTLINE
184T - OPEN DRIP PROOF

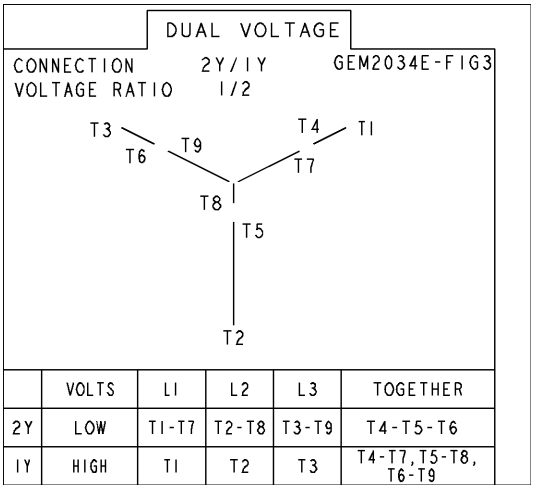
SIZE B | DRAWING 358B6214AB | REV. 1
SCALE: DRAWING SCALE | SHEET 1 OF 1

DISTRIBUTION:

Marks:

Connection Diagram

GEM2034E-FIG3



	VOLTS	L1	L2	L3	TOGETHER
2Y	LOW	T1-T7	T2-T8	T3-T9	T4-T5-T6
1Y	HIGH	T1	T2	T3	T4-T7, T5-T8, T6-T9