GE
Power Conversion

Product Information Packet

November 8, 2016

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

Model Number:	**5KS365LAA304D**
Catalog Number:	**M7954**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG1
Outline Drawing:	239CC200AA

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:	**5KS365LAA304D**	**Estimated Weight:**	1000 Lbs
Outline Drawing:	239CC200AA	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG1	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	SD
Design Code:	36BD3071B	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	365T	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	A
Poles:	6	**Nominal Efficiency:**	94.1 %
Output Power:	50HP 37KW	**Guaranteed Efficiency:**	93.0
RPM:	1185	**3/4 Load Efficiency:**	94.2
Voltage:	575	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	21.8
Amps - FL:	50.4	**Power Factor:**	79.0
Service Factor:	1.15	**Bearing - DE:**	6314ZC3
Alt Service Factor:	--	**Bearing - ODE:**	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:
INVERTER DUTY PER NEMA MG1 PART 31
ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
VAR TORQUE RANGE 0-60 HZ

Additional Information:

6P - T EXTN
346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
F1 MOUNTING
VIBRATION LIMIT 0.15 INCH PER SEC

Performance Characteristics 1st Winding 1st Connection **Design: 36BD3071B**

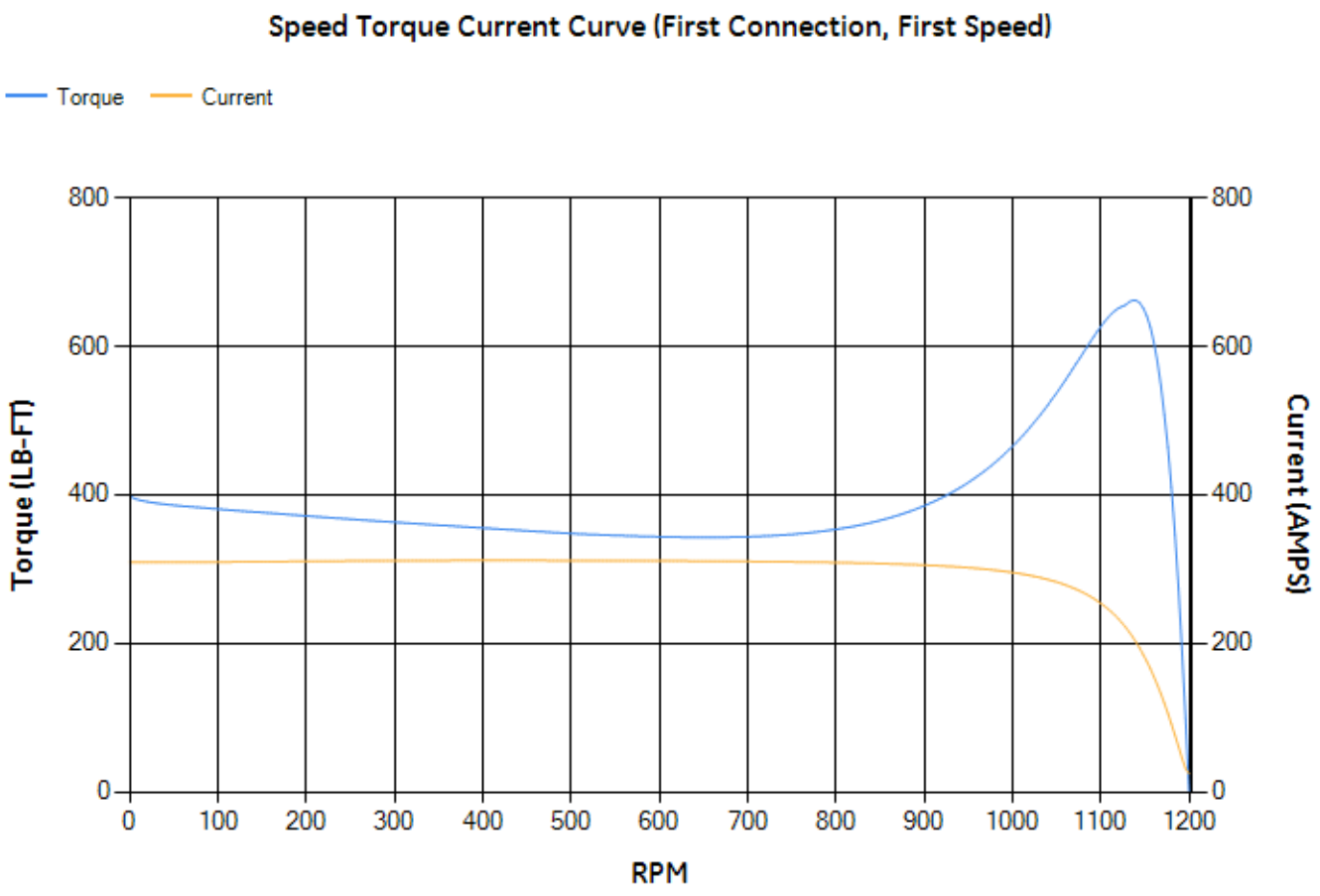
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.42	93.68	94.2	94.24	93.76	90.69	0.00
% PF	82.41	81.35	79.12	72.81	60.71	38.21	3.15
AMPS	60.78	56.49	50.12	40.92	32.88	27.01	24.29

TORQ(FL)#FT	221.19	**TORQ(LR)%FL**	180.89	**TORQ(BD)%FL**	295.19
AMPS(LR)	308.96	**PF AT START**	0.38		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 3061 Lb-Ft Sq (128.87 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 37 seconds. Safe stall time at 100% voltage is 91 seconds cold, 49 seconds hot. Rotor inertia is 20.26 Lb-Ft Sq (0.85 Kg-meter Sq).

Open Circuit A-C:	0.451	**Short Circuit D-C:**	0.015
Short Circuit A-C:	0.027	**X/R Ratio:**	5.739
Stator Slots:	72	**Rotor Slots:**	58



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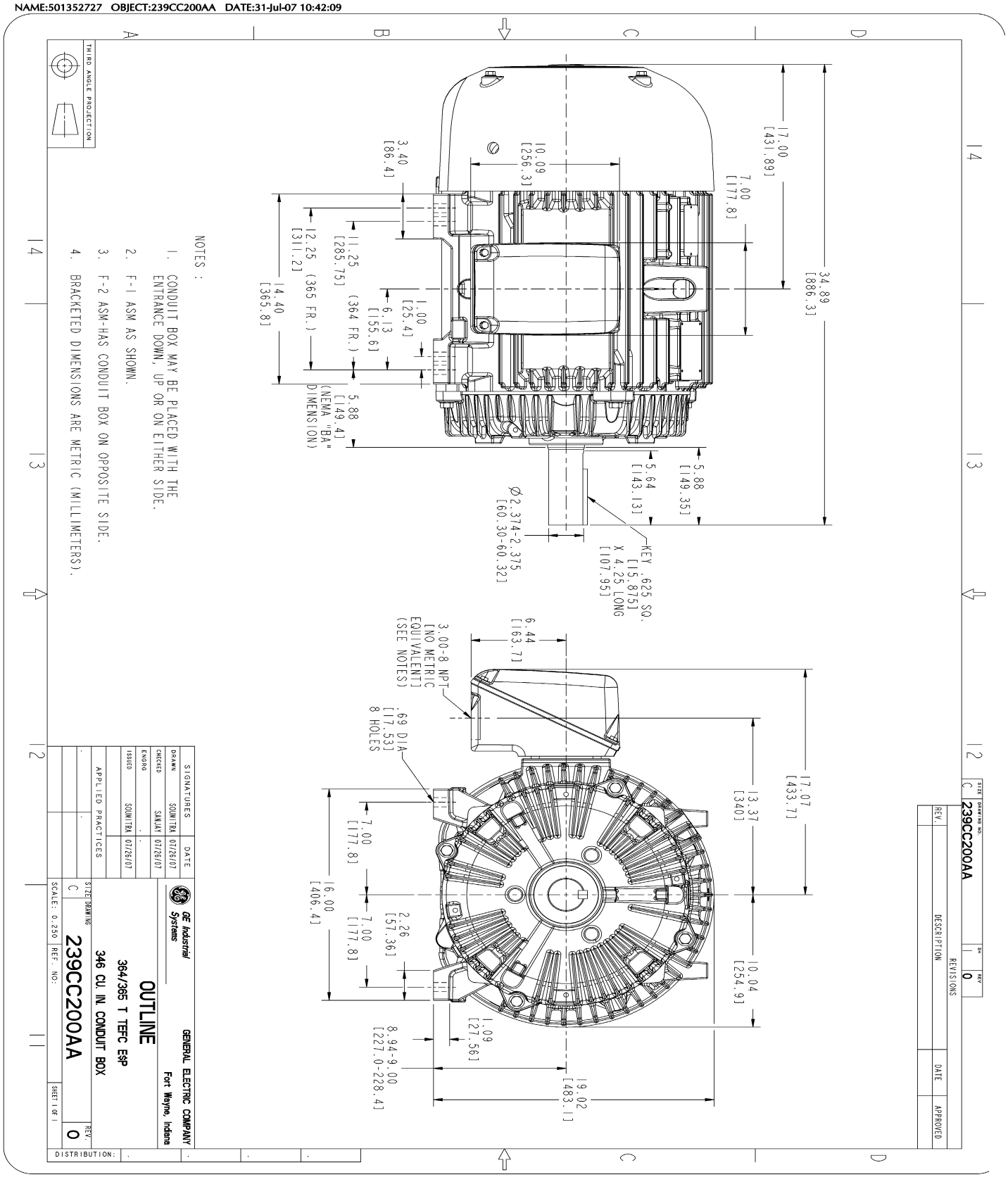

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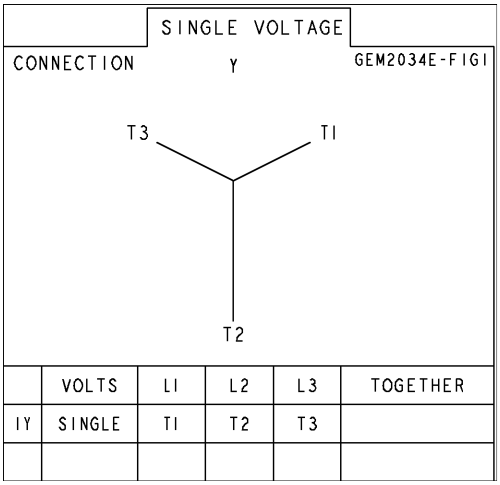
Connection Diagram

GEM2034E-FIG1



	VOLTS	LI	L2	L3	TOGETHER
IY	SINGLE	TI	T2	T3	