GE
Power Conversion

Product Information Packet

March 24, 2017

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

Model Number:	**5KS184CAA205B**
Catalog Number:	**E9613**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG3
Outline Drawing:	4002B5818RAP5201

Accessory Connection Diagrams

Bearing Thermocouple:	None	**Heater:**	None
RTD:	None	**Thermistor:**	None
Thermostat:	3027JE-2A	**Winding Thermocouple:**	None
Bearing RTD:	None		

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imagination at work

Marks:

MODEL NUMBER:	**5KS184CAA205B**	**Estimated Weight:**	101 Lbs
Outline Drawing:	4002B5818RAP5201	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG3	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	XP
Design Code:	18BD1001A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	184T	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	B
Poles:	4	**Nominal Efficiency:**	89.5 %
Output Power:	5HP 3.7KW	**Guaranteed Efficiency:**	87.5
RPM:	1755	**3/4 Load Efficiency:**	90.4
Voltage:	230/460	**KVA Code:**	J
Hertz:	60	**Max KVAR:**	2.0
Amps - FL:	13.2/6.6	**Power Factor:**	79.5
Service Factor:	1.00	**Bearing - DE:**	6206ZC3
Alt Service Factor:	--	**Bearing - ODE:**	6206ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:
EXPLOSION PROOF MOTOR
TEMP CODE T3C
THERMOSTAT LEADS TB1-TB2
STAMP NP249A5571AC "CL I (C & D) CL II (F & G)"

Additional Information:

4P - T EXTN
STANDARD FLOOR MOUNT
C/BOX 26 CU IN-0.75 NPT
F1 CONDUIT BOX MOUNTING
AUX LEADS EXIT WITH MOTOR LEADS
CL I C & D CL II F & G EXPLOSION PROOF MOTOR

Performance Characteristics 1st Winding 1st Connection **Design: 18BD1001A**

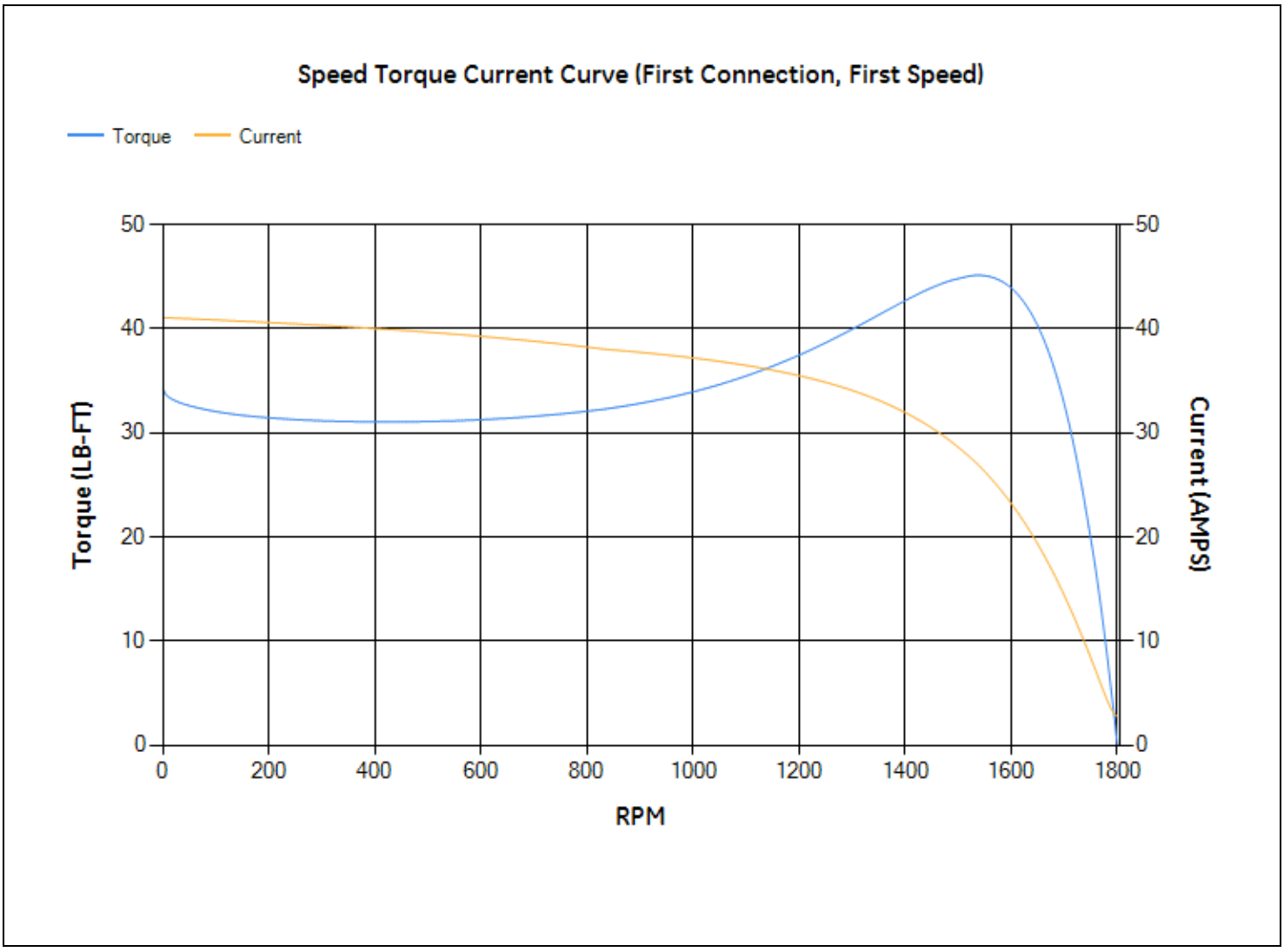
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	88.12	88.78	89.81	90.44	90.1	85.98	0.00
% PF	81.6	80.98	80.8	74.23	63.37	41.66	5.79
AMPS	8.14	7.49	6.45	5.23	4.1	3.27	2.74

TORQ(FL)#FT	14.97	**TORQ(LR)%FL**	228.66	**TORQ(BD)%FL**	298.67
AMPS(LR)	41.06	**PF AT START**	0.51		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 183 Lb-Ft Sq (7.7 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 36 seconds. Safe stall time at 100% voltage is 79 seconds cold, 51 seconds hot. Rotor inertia is 0.35 Lb-Ft Sq (0.01 Kg-meter Sq).

Open Circuit A-C:	0.237	**Short Circuit D-C:**	0.008
Short Circuit A-C:	0.012	**X/R Ratio:**	3.151
Stator Slots:	36	**Rotor Slots:**	28



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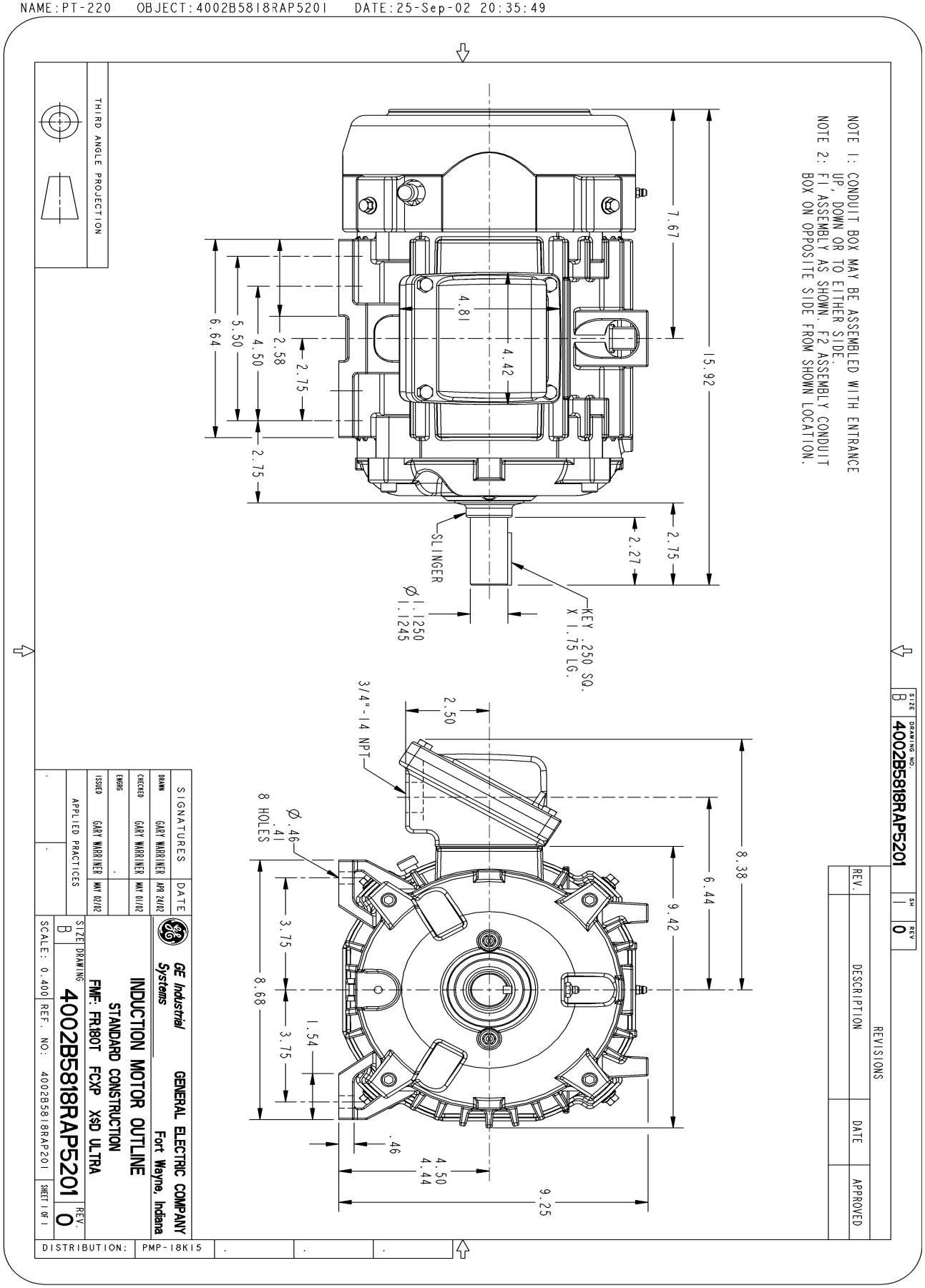

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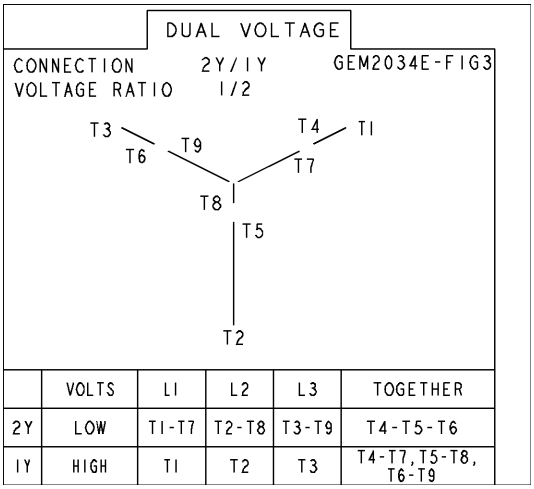
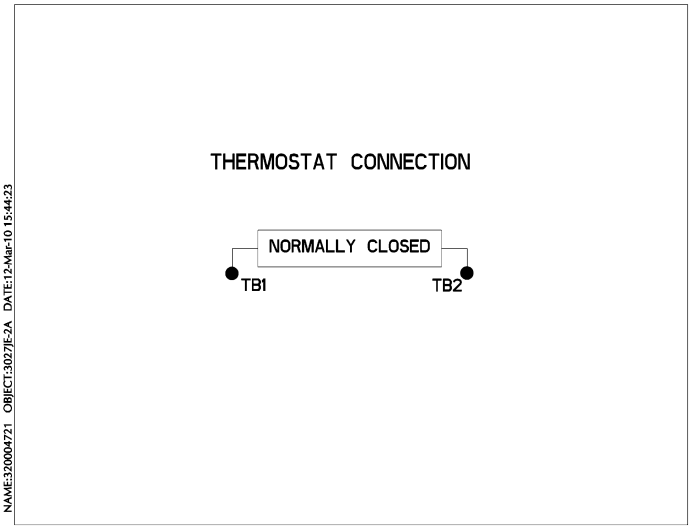
Connection Diagram
GEM2034E-FIG3



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

Thermostat Connection
3027JE-2A



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	4004D5271PA1	4004D5271SA1
Bearing		
Slinger/Inproseal		

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	346L620AP-G01
Fan Cover	

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5718RA-G01

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	