

Product Information Packet

January 12, 2017

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

Model Number:	5KS215CAA205D1
Catalog Number:	E9671
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	4002B5821RAP5202

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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Marks:

MODEL NUMBER:	5KS215CAA205D1	Estimated Weight:	220 Lbs
Outline Drawing:	4002B5821RAP5202	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	XP
Design Code:	21BD1281A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	215T	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	91.7 %
Output Power:	10HP 7.4KW	Guaranteed Efficiency:	90.2
RPM:	1770	3/4 Load Efficiency:	92.3
Voltage:	230/460	KVA Code:	H
Hertz:	60	Max KVAR:	3.3
Amps - FL:	24.8/12.4	Power Factor:	82.5
Service Factor:	1.00	Bearing - DE:	6208ZC3
Alt Service Factor:	--	Bearing - ODE:	6208ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

EXPLOSION PROOF MOTOR
TEMP CODE T3C
THERMOSTAT LEADS TB1-TB2
STAMP NP249A5571AD "CL I (C & D) CL II (F & G)"

Additional Information:

4P - T EXTN
STANDARD FLOOR MOUNT
C/BOX 55 CU IN-1.00 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: 21BD1281A

Marks:

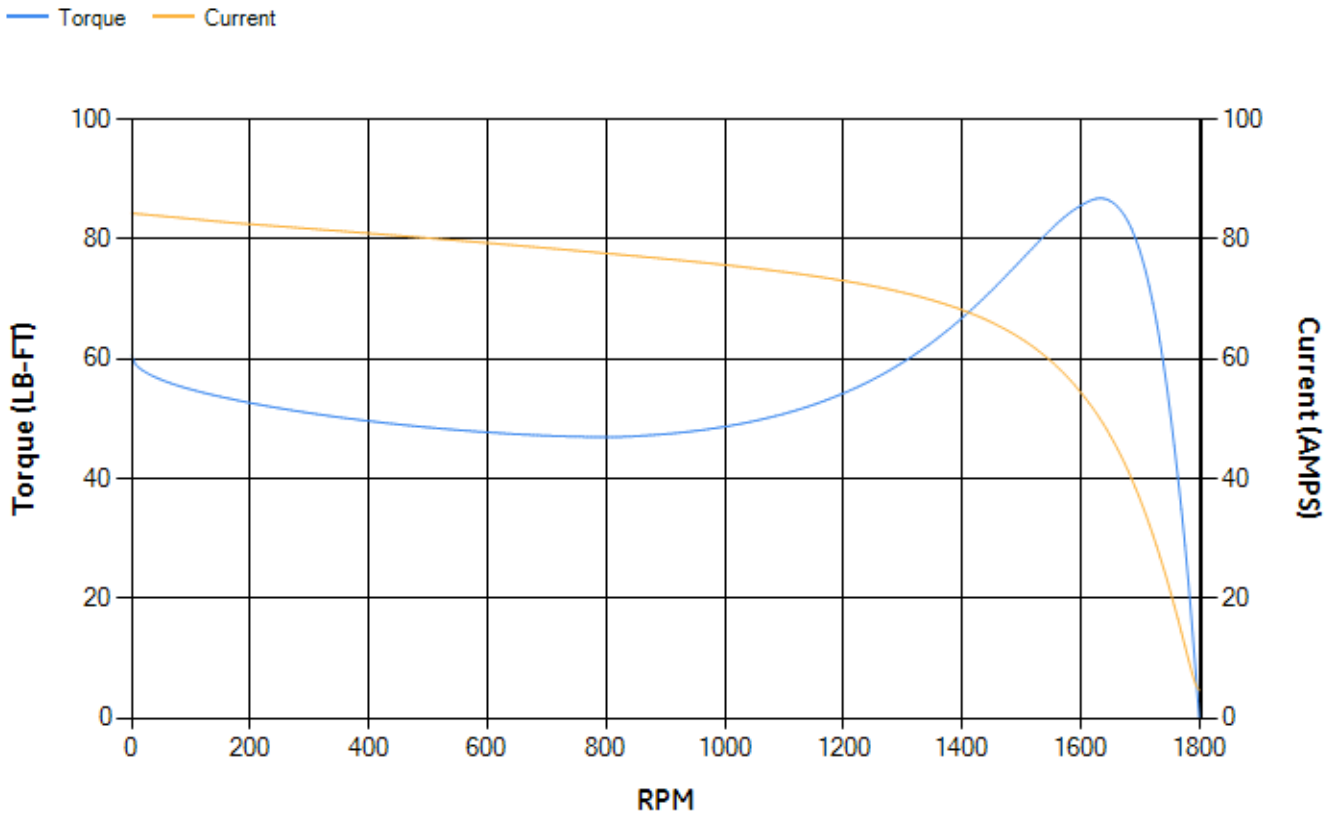
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.58	91.09	91.92	92.33	91.98	88.46	0.00
% PF	83.78	83.53	82.58	78.8	69.66	48.19	5.62
AMPS	15.42	14.15	12.33	9.65	7.3	5.49	4.61

TORQ(FL)#FT	29.69	TORQ(LR)%FL	203.97	TORQ(BD)%FL	290.52
AMPS(LR)	84.31	PF AT START	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 333 Lb-Ft Sq (14.02 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 42 seconds. Safe stall time at 100% voltage is 92 seconds cold, 62 seconds hot. Rotor inertia is 1.08 Lb-Ft Sq (0.05 Kg-meter Sq).

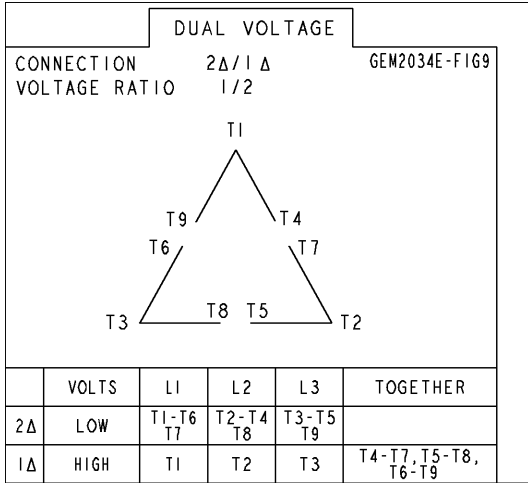
Open Circuit A-C:	0.4	Short Circuit D-C:	0.013
Short Circuit A-C:	0.019	X/R Ratio:	4.786
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)

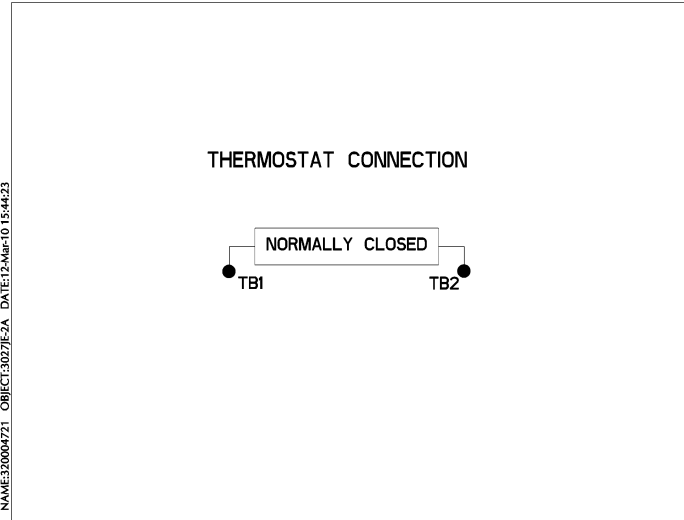


Marks:

Connection Diagram
GEM2034E-FIG9



Thermostat Connection
3027JE-2A



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	4004D5272PA1	4004D5272SA1
Bearing	235A2503AE01	235A2503AE01
Slinger/Inproseal	235A2300BX1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G01
Fan Cover	4003C5787PA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5725RA-G04

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

