

Product Information Packet

February 24, 2017

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

Model Number:	5KS213CAA204C
Catalog Number:	E9618
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	4002B5821PAP5201

Accessory Connection Diagrams

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

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04
Spare parts	05



Marks:

MODEL NUMBER:	5KS213CAA204C	Estimated Weight:	200 Lbs
Outline Drawing:	4002B5821PAP5201	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	XP
Design Code:	21BD1152B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	213T	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	91.7 %
Output Power:	7.5HP 5.6KW	Guaranteed Efficiency:	90.2
RPM:	1770	3/4 Load Efficiency:	--
Voltage:	575	KVA Code:	H
Hertz:	60	Max KVAR:	2.3
Amps - FL:	7.3	Power Factor:	83.5
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 26 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: 21BD1152B

Marks:

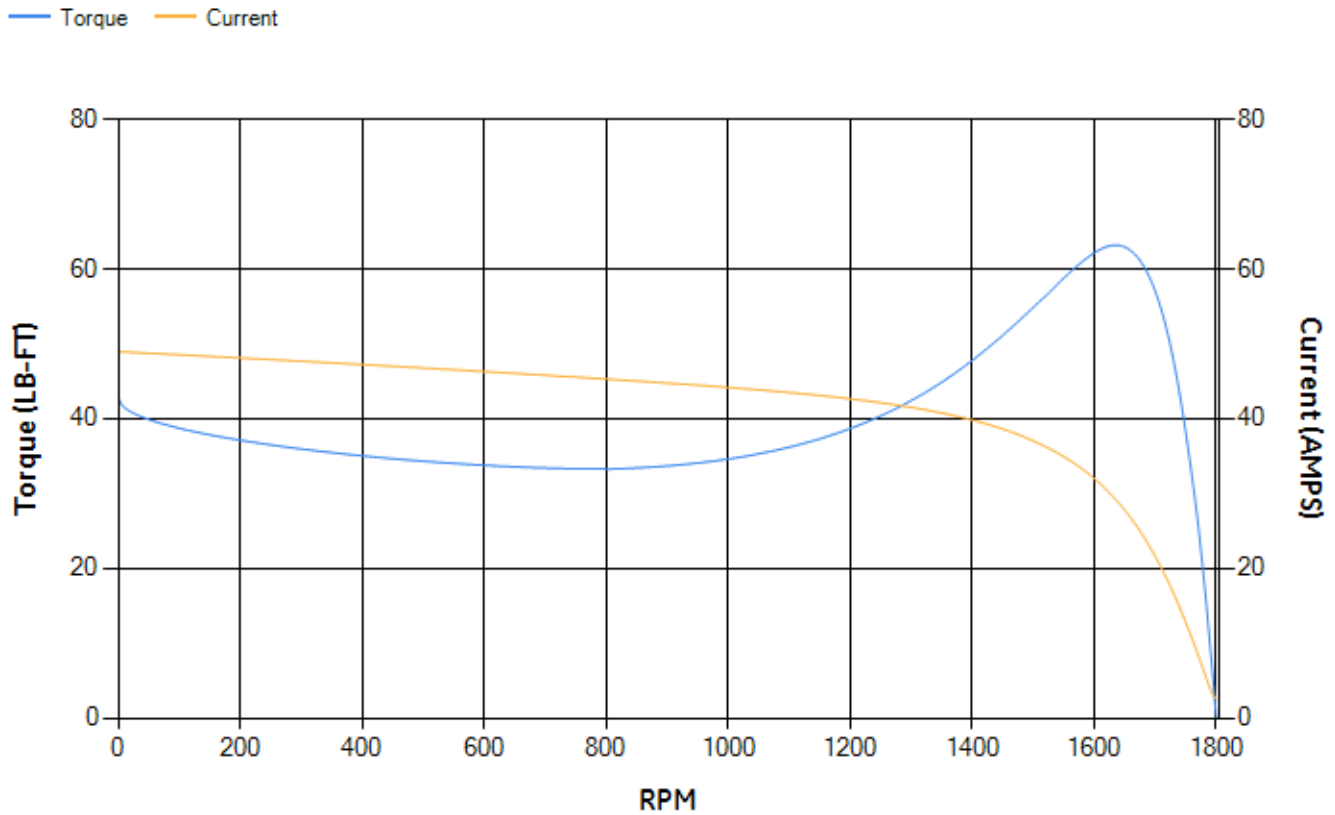
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.51	91	91.79	92.13	91.66	87.85	0.00
% PF	84.63	84.46	83.69	80.35	71.92	51.03	6.52
AMPS	9.16	8.4	7.31	5.69	4.26	3.13	2.57

TORQ(FL)#FT	22.25	TORQ(LR)%FL	192.05	TORQ(BD)%FL	282.26
AMPS(LR)	48.95	PF AT START	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 298 Lb-Ft Sq (12.55 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 53 seconds. Safe stall time at 100% voltage is 117 seconds cold, 87 seconds hot. Rotor inertia is 1 Lb-Ft Sq (0.04 Kg-meter Sq).

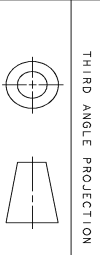
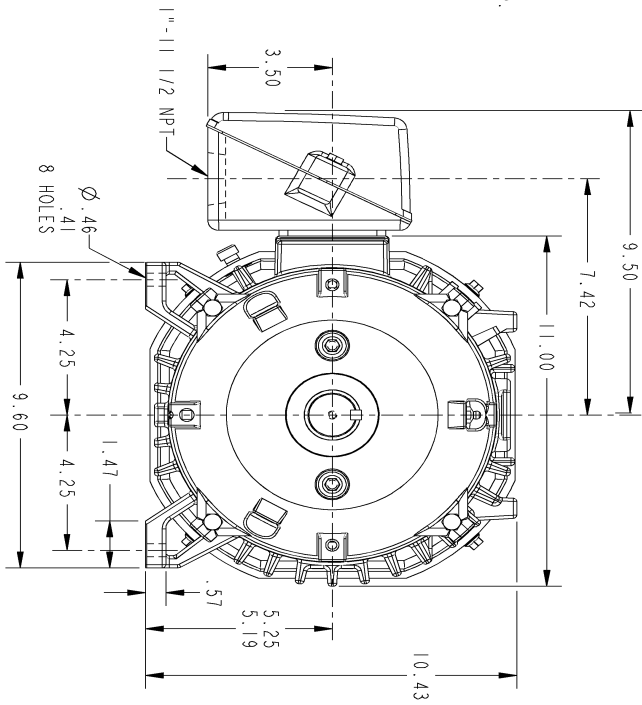
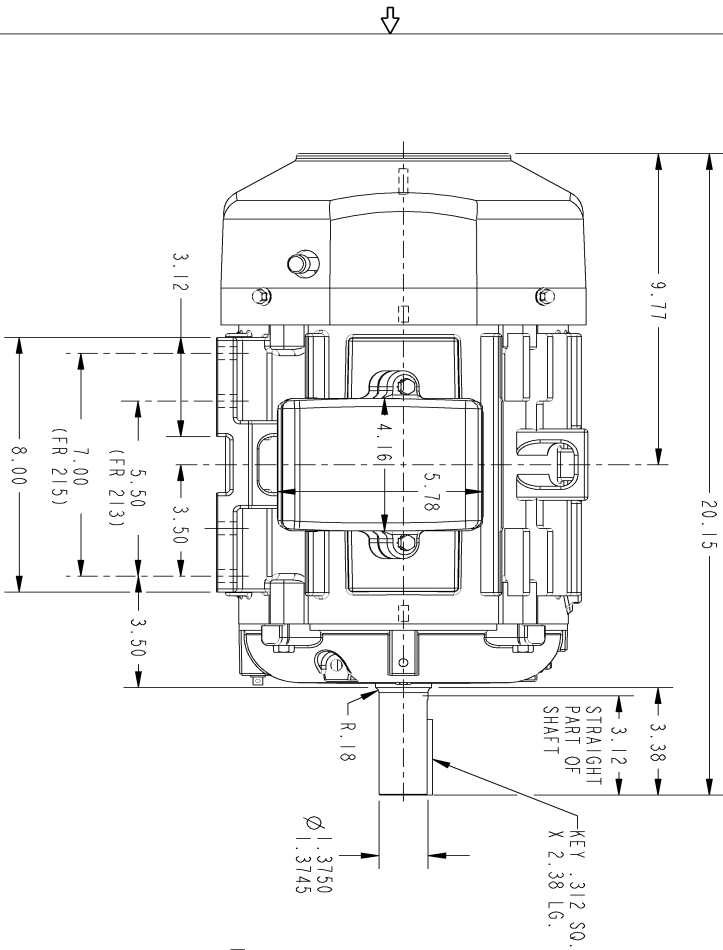
Open Circuit A-C:	0.448	Short Circuit D-C:	0.013
Short Circuit A-C:	0.021	X/R Ratio:	4.874
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



Marks:

NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN OR TO EITHER SIDE.
 NOTE 2: F1 ASSEMBLY AS SHOWN. F2 ASSEMBLY CONDUIT BOX ON OPPOSITE SIDE FROM SHOWN LOCATION.



THIRD ANGLE PROJECTION

SIZE B DRAWING NO. 4002B5821PAP5201 SH 1 REV 1

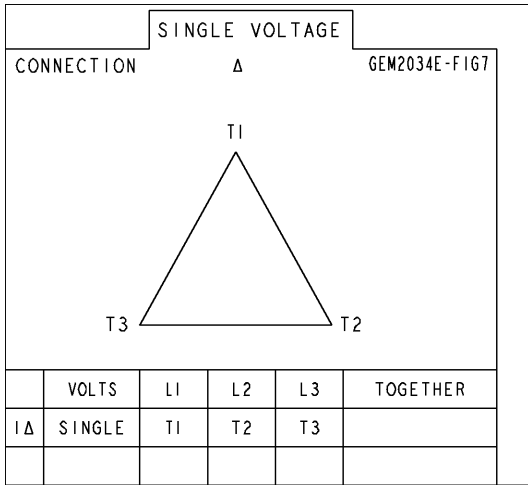
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	ISAC #15-0018	08/01/2015	ADI

SIGNATURES	DATE	GE Industrial Systems GENERAL ELECTRIC COMPANY Fort Wayne, Indiana	
DRWN: GARY WARRNER	JAN 22/02	INDUCTION MOTOR OUTLINE STANDARD CONSTRUCTION FME: FR213/25T TFC	
CHKD: GARY WARRNER	FEB 09/02		
ENGR: GARY WARRNER	SEP 03/02		
ISSD: GARY WARRNER	SEP 03/02		
APPLIED PRACTICES		SIZE DRAWING	REV.
		B	1
SCALE: 0.300		REF. NO: 4002B5821PAP201	SHEET 1 OF 1

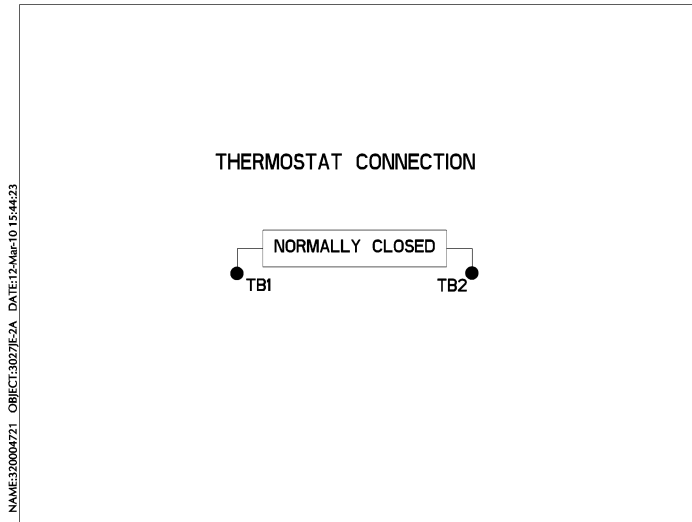
DISTRIBUTION: PMP-1BK15

Marks:

Connection Diagram
GEM2034E-FIG7



Thermostat Connection
3027JE-2A



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

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

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5718RA-G02

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

