

Product Information Packet

March 18, 2017

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

Model Number:	5KS213SAE6032B
Catalog Number:	V899
Instruction Manual:	GEK-95351
Connection Diagram:	GEM2034E-FIG3
Outline Drawing:	4002B5821PMP5323

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	3027JE-1C
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KS213SAE6032B	Estimated Weight:	200 Lbs
Outline Drawing:	4002B5821PMP5323	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG3	Enclosure:	TEFC
Instruction Book:	GEK-95351	Encl Construction:	SD
Design Code:	21BD1005A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	65
Frame:	L213TP10	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	89.5 %
Output Power:	5HP 3.7KW	Guaranteed Efficiency:	87.5
RPM:	1770	3/4 Load Efficiency:	90.5
Voltage:	230/460	KVA Code:	J
Hertz:	60	Max KVAR:	2.1
Amps - FL:	13.2/6.6	Power Factor:	79.5
Service Factor:	1.15	Bearing - DE:	7308
Alt Service Factor:	1.00	Bearing - ODE:	6208-2ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

PREMIUM EFFICIENT MOTOR
 ROT CCW FACING ODE LEAD/PH SEQUENCE 1-2-3/1-2-3
 HTR LDS HE1-HE2 115V 60W
 SEVERE DUTY
 INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:
 1.0 SF VAR TORQUE RANGE 20-60 HZ
 50HZ DATA:3 HP 190/380 V WITH FLA-10.2/5.1 A

Additional Information:

4P - TP EXTN
 C/BOX 55 CU IN-1.00 NPT
 HEATER LEADS EXIT WITH MOTOR LEADS
 E/SHLD GROUND STUD MTD ON DE C/BOX SIDE
 RCF 5000 CPM, STATIC DEFLECTION .0014 INCHES &
 CENTER OF GRAVITY 8.59 INCHES
 HOLLOW SHAFT HIGH THRUST
 OIL RESISTANT SLEEVING ON LEADS
 BEARING LIFE 8760 HOURS AT 2092 LB THRUST
 COUPLING NOT INCLUDED IN BOM, WILL BE
 ORDERED SEPERATELY

Performance Characteristics

1st Winding 1st Connection

Design: 21BD1005A

Marks:

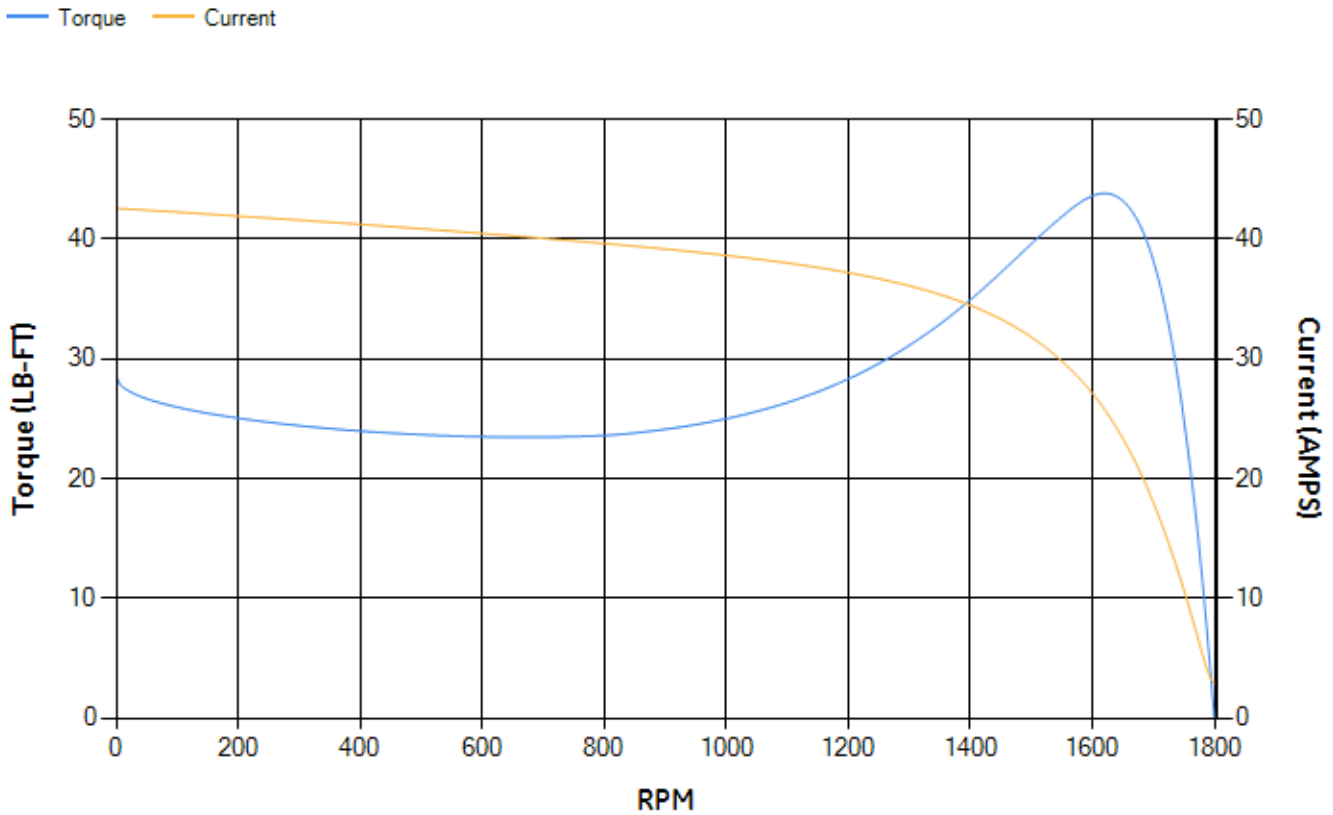
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	89.17	89.63	90.34	90.45	89.47	84.22	0.00
% PF	81.84	81.18	79.56	74.37	63.63	42.26	6.64
AMPS	8.02	7.4	6.51	5.22	4.11	3.29	2.89

TORQ(FL)#FT	14.84	TORQ(LR)%FL	191.83	TORQ(BD)%FL	293.35
AMPS(LR)	42.57	PF AT START	0.42		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 204 Lb-Ft Sq (8.59 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 51 seconds. Safe stall time at 100% voltage is 113 seconds cold, 85 seconds hot. Rotor inertia is 0.56 Lb-Ft Sq (0.02 Kg-meter Sq).

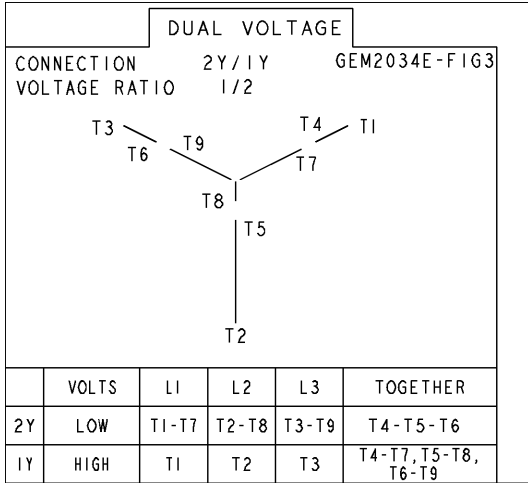
Open Circuit A-C:	0.326	Short Circuit D-C:	0.011
Short Circuit A-C:	0.02	X/R Ratio:	4.139
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG3



Heater Connection
3027JE-1C



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6027PA1	128D6028PA1
Bearing	235A2503EJ01	235A2503AA01
Slinger/Inproseal	235A2300FL1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	
Fan Cover	4003C5521AC-G01

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5721PA-G01

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	