

Product Information Packet

January 13, 2017

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

Model Number:	5KS213SAE133A
Catalog Number:	V962
Instruction Manual:	GEK-95655
Connection Diagram:	GEM2034E-FIG3
Outline Drawing:	4002B5821PLP5210

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

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Marks:

MODEL NUMBER:	5KS213SAE133A	Estimated Weight:	200 Lbs
Outline Drawing:	4002B5821PLP5210	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG3	Enclosure:	TEFC
Instruction Book:	GEK-95655	Encl Construction:	SD
Design Code:	21BD0074AA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L213HP10	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	89.5 %
Output Power:	7.5HP 5.6KW	Guaranteed Efficiency:	87.5
RPM:	3530	3/4 Load Efficiency:	90.1
Voltage:	230/460	KVA Code:	H
Hertz:	60	Max KVAR:	2.1
Amps - FL:	18.0/9.0	Power Factor:	87.5
Service Factor:	1.15	Bearing - DE:	6308ZC3
Alt Service Factor:	--	Bearing - ODE:	6208-2ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

PREMIUM EFFICIENT MOTOR
HTR LDS H 115V 60W
SEVERE DUTY
INVERTER DUTY PER NEMA MG1 PART 31
ALTERNATE RATING FOR PWM CONTROL:
1.0 SF VAR TORQUE RANGE 0-60 HZ
IP55
SUITABLE FOR 190/380V, 50HZ,
2890 RPM, 21.4/10.7A, 1.0SF

Additional Information:

2P - HP EXTN
C/BOX 55 CU IN-1.00 NPT
AUX LEADS EXIT WITH MOTOR LEADS
RCF 5000 CPM, STATIC DEFLECTION .0014 INCHES &
CENTER OF GRAVITY 8.59 INCHES
SOLID SHAFT NORMAL THRUST
OIL RESISTANT SLEEVING ON LEADS
BEARING LIFE 8760 HOURS AT 620 LB THRUST



Performance Characteristics

1st Winding 1st Connection

Design: 21BD0074AA

Marks:

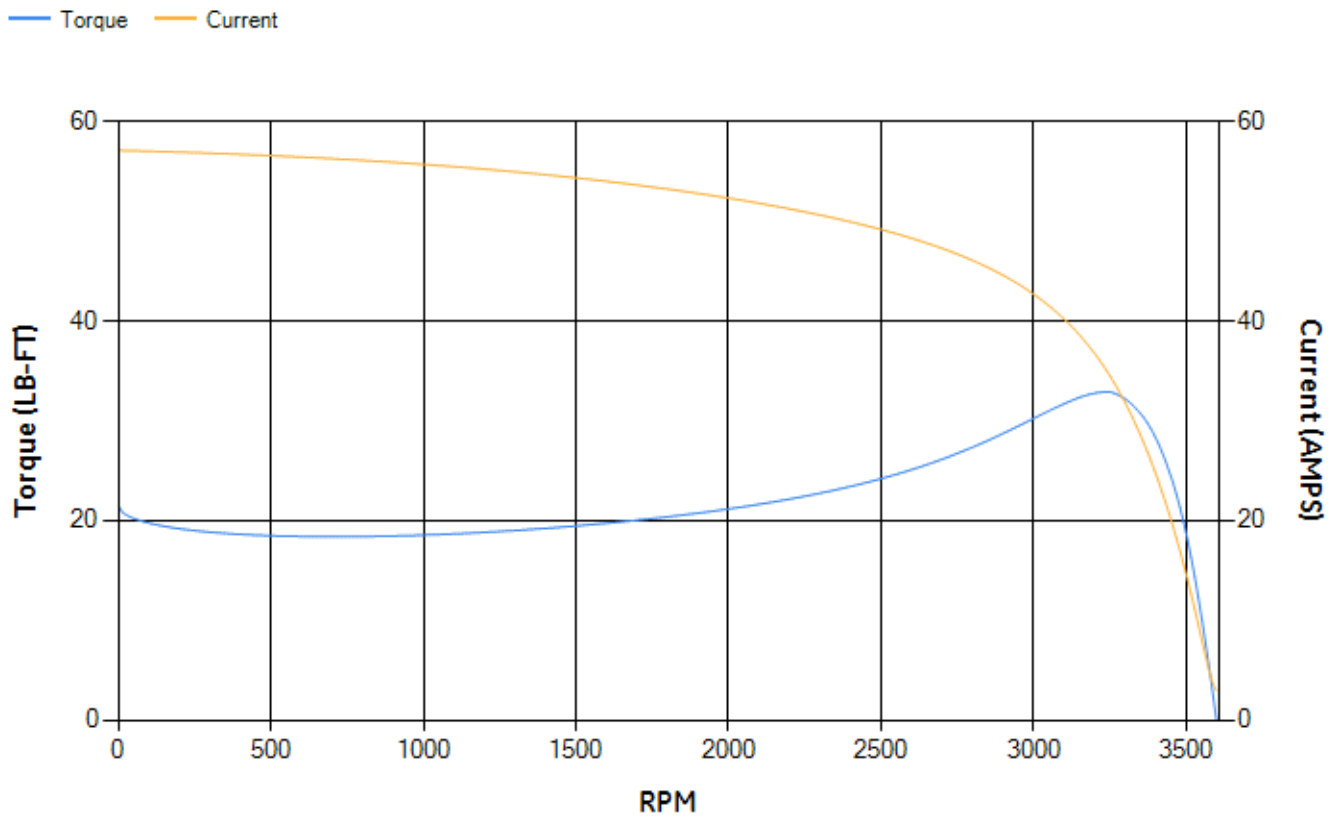
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	88.42	88.94	89.78	90.1	89.36	84.45	0.00
% PF	88.62	88.37	87.57	84.47	76.7	56.43	9.41
AMPS	11.2	10.27	8.92	6.92	5.12	3.68	2.93

TORQ(FL)#FT	11.16	TORQ(LR)%FL	192.83	TORQ(BD)%FL	292.52
AMPS(LR)	57.09	PF AT START	0.36		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 78 Lb-Ft Sq (3.28 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 49 seconds. Safe stall time at 100% voltage is 85 seconds cold, 59 seconds hot. Rotor inertia is 0.31 Lb-Ft Sq (0.01 Kg-meter Sq).

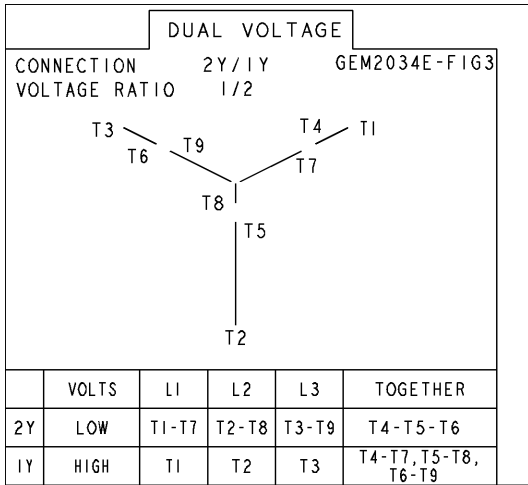
Open Circuit A-C:	0.406	Short Circuit D-C:	0.01
Short Circuit A-C:	0.018	X/R Ratio:	3.858
Stator Slots:	36	Rotor Slots:	26

Speed Torque Current Curve (First Connection, First Speed)



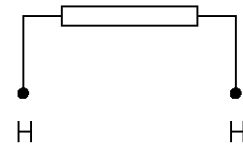
Marks:

Connection Diagram
GEM2034E-FIG3



Heater Connection
3027JE-1

FIG. 1
HEATER CONN.



CONTROL	L1	L2
VOLTAGE ONLY	H	H