

Product Information Packet

April 30, 2019

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

Model Number:	5KS254CWL205
Catalog Number:	E522
Instruction Manual:	GEI-M1049
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	358B6503AA

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:	5KS254CWL205	Estimated Weight:	428 Lbs
Outline Drawing:	358B6503AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	TEFC
Instruction Book:	GEI-M1049	Encl Construction:	XP
Design Code:	NA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	55
Frame:	254T	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	92.4 %
Output Power:	15HP 11.1KW	Guaranteed Efficiency:	91.0 %
RPM:	1778	3/4 Load Efficiency:	92.4 %
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	4.2
Amps - FL:	33.2/16.6	Power Factor:	89.9%
Service Factor:	1.15	Bearing - DE:	6309-C3
Alt Service Factor:	1.0	Bearing - ODE:	6309-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:**Additional Information:**

THERMOSTAT FOR: TRIP 145+/-5 DEG C
 THERMOSTAT LEADS: 3 NC TO TERMINATE IN MAIN CB
 ROTATION:CCW VIEWED FROM ODE
 CLASS /GAS GROUP:CL I GR C and D, CLASS II GR F and G
 CBOX SIZE:291 CU INCH
 INVERTER DUTY PER NEMA MG1 PART 31
 INVERTER RATED PWM 10:1 VARIABLE TORQUE, 5:1 CONSTANT TORQUE, 1.0 SF
 UL CERTIFICATION SUITABLE FOR INSTALLATION IN –
 - THE UNITED STATES, NIGERIA AND KUWAIT

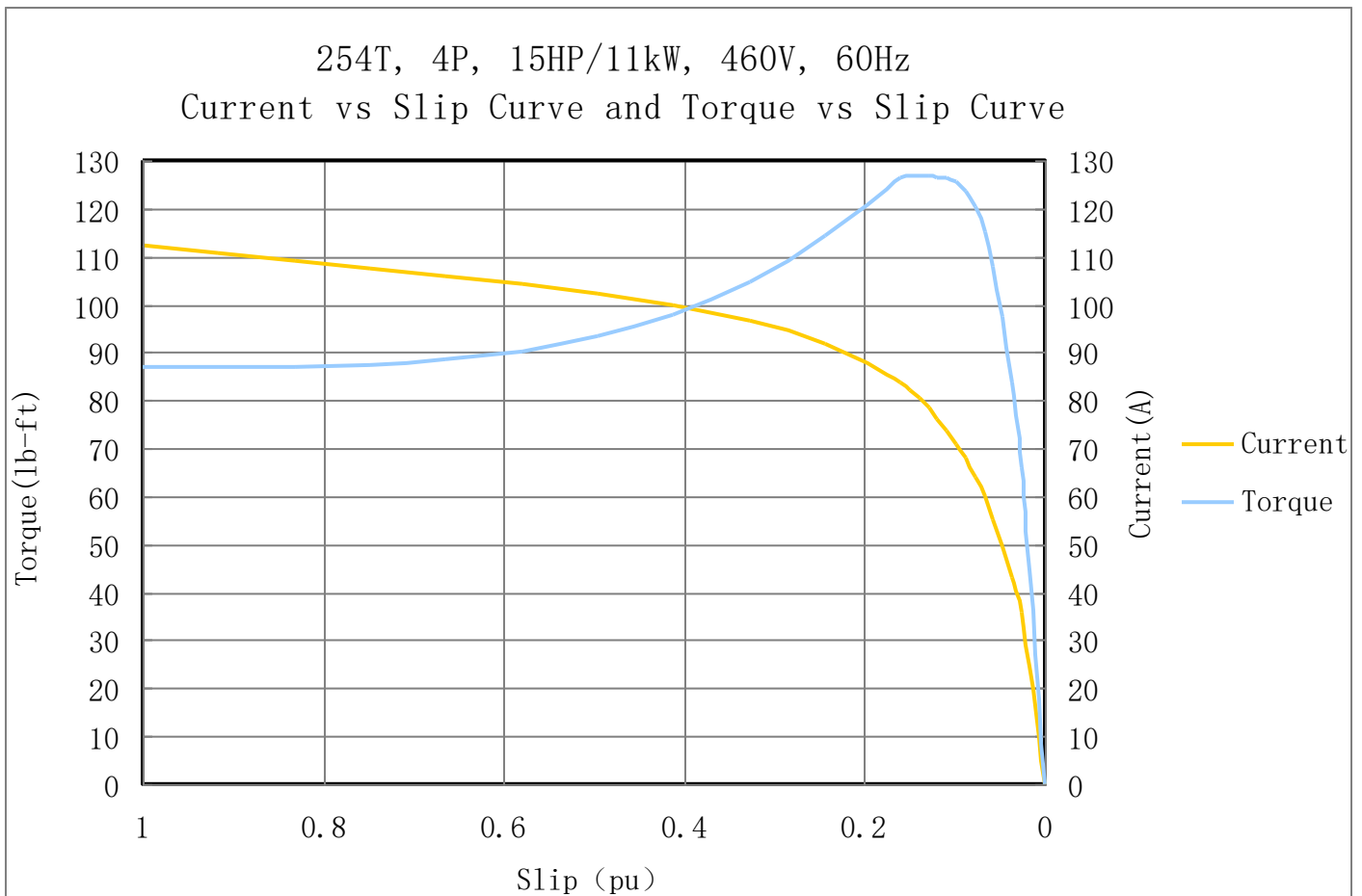
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.35	91.72	92.40	92.40	92.80	90.91	0.00
% PF	91.1	90.9	89.9	88.1	81.6	61.7	21.4
AMPS(460V)	20.8	19.1	16.6	12.6	9.1	6.2	2.5

TORQUE(FL) LB-FT 44.67 TORQUE(LR)%FL 195.0 TORQUE(BD)%FL 283.0
 AMPS(LR 460V) 112.2 PF AT START 0.38%

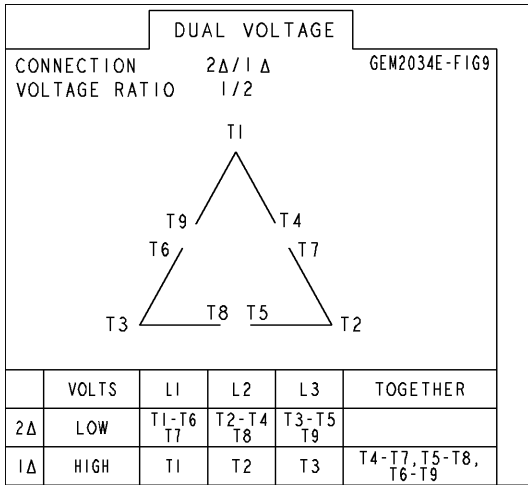
Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	2.3(0.097)
Max load inertia: Lb-Ft ² (Kg-m ²):	75(3.16)
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	4.1
Safe stall time (sec): Cold/Hot	50/15



Marks:

Connection Diagram
GEM2034E-FIG9



Thermostat Connection
3027JE-2A

