

Product Information Packet

April 30, 2019

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

Model Number:	5KS364CWL205
Catalog Number:	E540
Instruction Manual:	GEI-M1049
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	358B6506AA

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:	5KS364CWL205	Estimated Weight:	1014 Lbs
Outline Drawing:	358B6506AA	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:	364T	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	95.0 %
Output Power:	60HP 44.4KW	Guaranteed Efficiency:	94.1 %
RPM:	1785	3/4 Load Efficiency:	94.9 %
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	17.4
Amps - FL:	140.9/70.4	Power Factor:	84.4%
Service Factor:	1.15	Bearing - DE:	6313-C3
Alt Service Factor:	1.0	Bearing - ODE:	6313-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:481 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

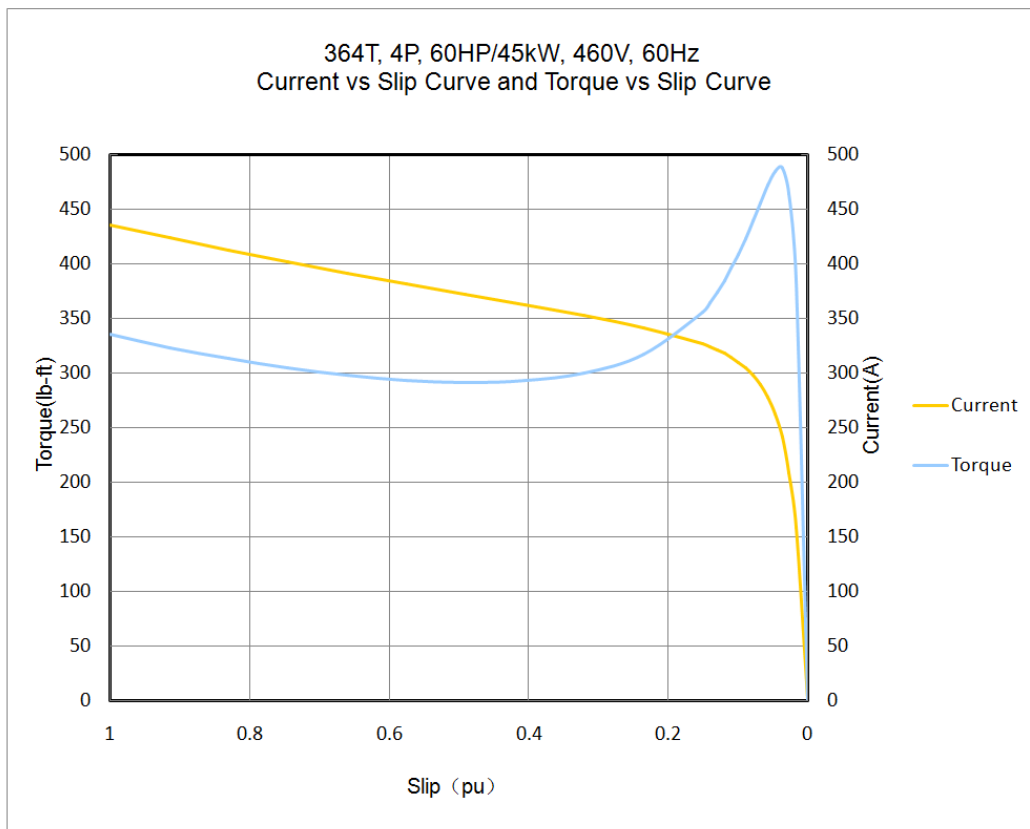
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.24	95.34	95.00	94.90	94.93	92.77	0.00
% PF	87.5	87.6	84.4	82.5	81.7	62.9	22.0
AMPS(460V)	82.88	76.04	70.4	50.75	36.37	24.16	9.70

TORQUE(FL) LB-FT 178.23 TORQUE(LR)%FL 188.0 TORQUE(BD)%FL 273.5
 AMPS(LR 460V) 435.0 PF AT START 0.30%

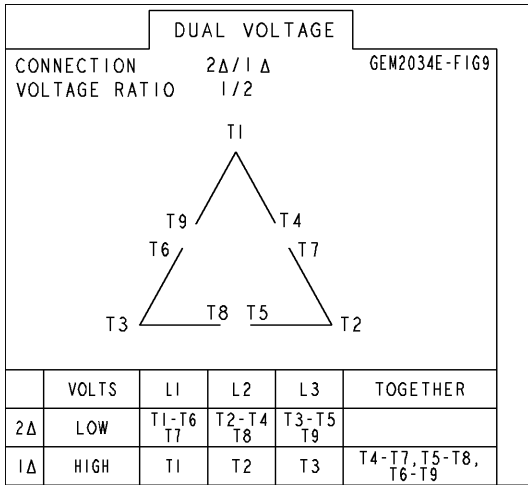
Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	20.65(0.87)
Max load inertia: Lb-Ft ² (Kg-m ²):	275(11.6)
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	4.7
Safe stall time (sec): Cold/Hot	70/40



Marks:

Connection Diagram
GEM2034E-FIG9



Thermostat Connection
3027JE-2A

