



GE INDUSTRIAL MOTORS
a WOLONG company

Product Information Packet

July 19, 2023

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

Model Number:	5KS254BWV205
Catalog Number:	WV014
Instruction Manual:	
Connection Diagram:	
Outline Drawing:	

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER: 5KS254BWV205
Outline Drawing:
Connection Diagram:
Instruction Book:
Design Code: B
Type: KS
Frame: 254T
Phases: 3
Poles: 4
Output Power: 15HP
RPM: 1765
Voltage: 230/460
Hertz: 60
Amps - FL: 35.2/17.6
Service Factor: 1.25@60Hz
Alt Service Factor: 1.0

Estimated Weight: 280 Lbs
Time Rating: S1
Enclosure: TEFC
Encl Construction: GP
Ambient Max(°C): 40
Alt Ambient Max(°C): 40
Insulation Class: F
NEMA Design: B
Nominal Efficiency: 92.4 %
Guaranteed Efficiency: 91.0 %
3/4 Load Efficiency: 92.78%
KVA Code: G
Max KVAR:
Power Factor: 85%
Bearing - DE: 6309-ZZC3
Bearing - ODE: 6307-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:**Additional Information:**

ROTATION:CCW VIEWED FROM DE



Performance Characteristics

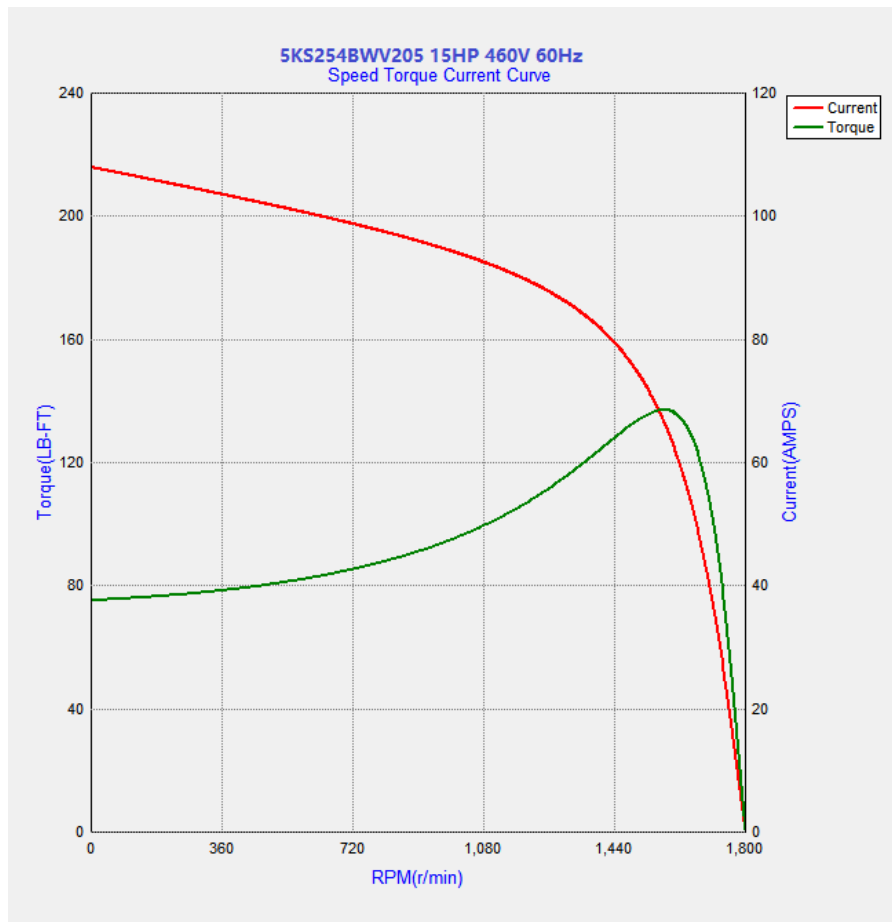
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	90.77	91.80	92.52	92.78	92.05	88.01
% PF	87.30	87.32	85.87	81.56	71.81	51.22
AMPS(460V)	26.13	21.53	17.38	13.68	10.44	7.66

TORQUE(FL) LB-FT 59.52 TORQUE(LR)%FL 200 TORQUE(BD)%FL 310
 AMPS(LR 460V) 120 PF AT START

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	0.1206(0.089)
Max load inertia: Lb-Ft ² (Kg-m ²):	
Load Type:	Square Torque/Speed Characteristic
Voltage:	
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	
Safe stall time (sec): Cold/Hot	53/21



Place GE's Outline drawing

Technical drawing of GE motor 5KS254BWV205. The drawing includes a front view, a side view, and a detail view of the terminal box. Dimensions are provided in inches.

Front View Dimensions:

- Total height: 23.448
- Terminal box height: 5.512
- Terminal box width: $\phi 12.359$
- Motor body height: 11.968
- Motor body width: 10.000
- Motor body depth: 8.250
- Terminal box depth: 4.250
- Terminal box offset: 4.000
- Terminal box mounting hole offset: 2.876

Side View Dimensions:

- Terminal box height: 9.453
- Terminal box depth: 7.718
- Terminal box mounting hole offset: 6.250
- Terminal box mounting hole diameter: 0.197
- Terminal box mounting hole offset: 1.921
- Terminal box mounting hole diameter: 10.000
- Terminal box mounting hole offset: 11.969
- Terminal box mounting hole diameter: $\phi 0.59$
- Terminal box mounting hole offset: 1x 1.25" NPT

Detail View Dimensions:

- Terminal box mounting hole diameter: $\phi 1.625_{-0.001}^0$
- Terminal box mounting hole offset: 1.416 $_{-0.015}^0$
- Terminal box mounting hole diameter: $0.375_{+0.002}^0$
- Terminal box mounting hole offset: A-A
- Terminal box mounting hole diameter: 1:1

Text:

STANDARD TERMINAL BOX POSITION IS 9 O'CLOCK AS SHOWN.
 CONDUIT ENTRIES- TERMINAL BOX CAN BE ROTATED AT 90° INTERVALS
 (CONDUIT ENTRY POSITION SHOWN FOR ILLUSTRATION ONLY)

Version	Drawing Mark	Special Mark	WT	scale
	S			
	Total:		Pages	Page

5KS254BWV205

Version	Place	Marking	Sign	Date
	Design by		Standard by	
	Verify by		Approved by	
	Review by		Understate	

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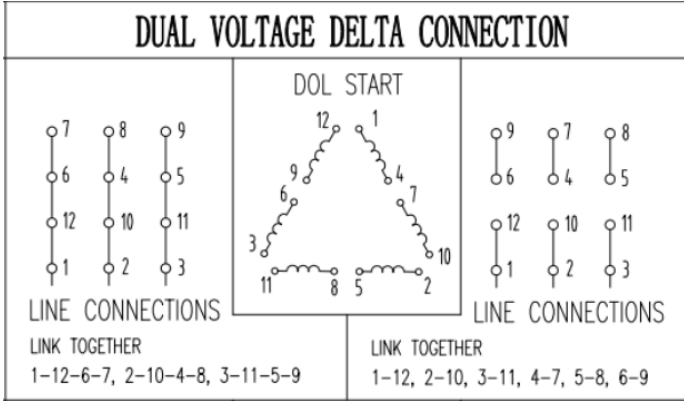
Supervisor	Design	Check	General Mfg of original	General Mfg of tracing	Sign	Date



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Marks:

Connection Diagram
GEM2034E-FIG3



Thermistor Connection
235A3027VD

