



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

September 8, 2022

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

Model Number:	5KS215BAA305
Catalog Number:	M1143
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG3
Outline Drawing:	4002B5821PAR5201

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:	5KS215BAA305
Outline Drawing:	4002B5821PAR5201
Connection Diagram:	GEM2034E-FIG3
Instruction Book:	GEI-56128
Design Code:	21BD3104A
Type:	KS
Frame:	215T
Phases:	3
Poles:	6
Output Power:	5HP 3.7KW
RPM:	1175
Voltage:	230/460
Hertz:	60
Amps - FL:	13.8/6.9
Service Factor:	1.15
Alt Service Factor:	--

Estimated Weight:	220 Lbs
Time Rating:	CONT
Enclosure:	TEFC
Encl Construction:	GP
Ambient Max(°C):	40
Alt Ambient Max(°C):	--
Insulation Class:	F
NEMA Design:	B
Nominal Efficiency:	89.5 %
Guaranteed Efficiency:	87.5 %
3/4 Load Efficiency:	--
KVA Code:	J
Max KVAR:	2.3
Power Factor:	76.0
Bearing - DE:	6208-2ZC3
Bearing - ODE:	6208-2ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

VT 0-60 HZ NEMA MG1-31; 208V-13.8A



Additional Information:

6P - T EXTN
STANDARD FLOOR MOUNT
C/BOX 55 CU IN-1.00 NPT
F1 CONDUIT BOX MOUNTING
INVERTER DUTY PER NEMA MG1 PART 31
ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
VAR TORQUE RANGE 0-60 HZ
SUITABLE FOR 208V-13.8 AMPS WITH 1.15 SF



Performance Characteristics

1st Winding 1st Connection

Design: 21BD3104A

Marks:

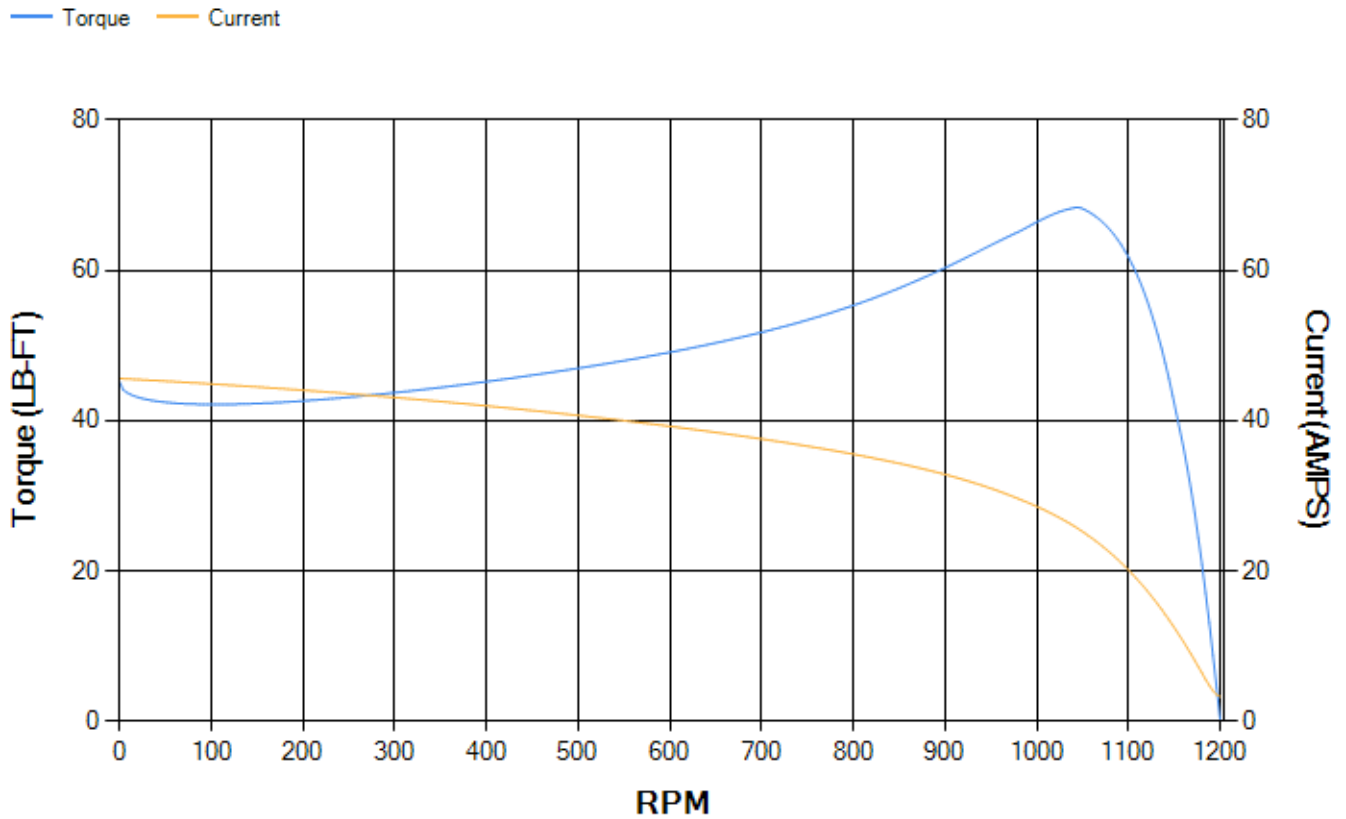
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	88.56	89.18	90.13	90.63	90.16	85.86	0.00
% PF	78.62	77.8	75.87	69.97	58.49	37.45	4.98
AMPS	8.4	7.76	6.84	5.53	4.44	3.64	3.26

TORQ(FL)#FT	22.38	TORQ(LR)%FL	201.85	TORQ(BD)%FL	302.74
AMPS(LR)	45.61	PF AT START	0.46		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 575 Lb-Ft Sq (24.21 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 52 seconds. Safe stall time at 100% voltage is 115 seconds cold, 83 seconds hot. Rotor inertia is 0.9 Lb-Ft Sq (0.04 Kg-meter Sq).

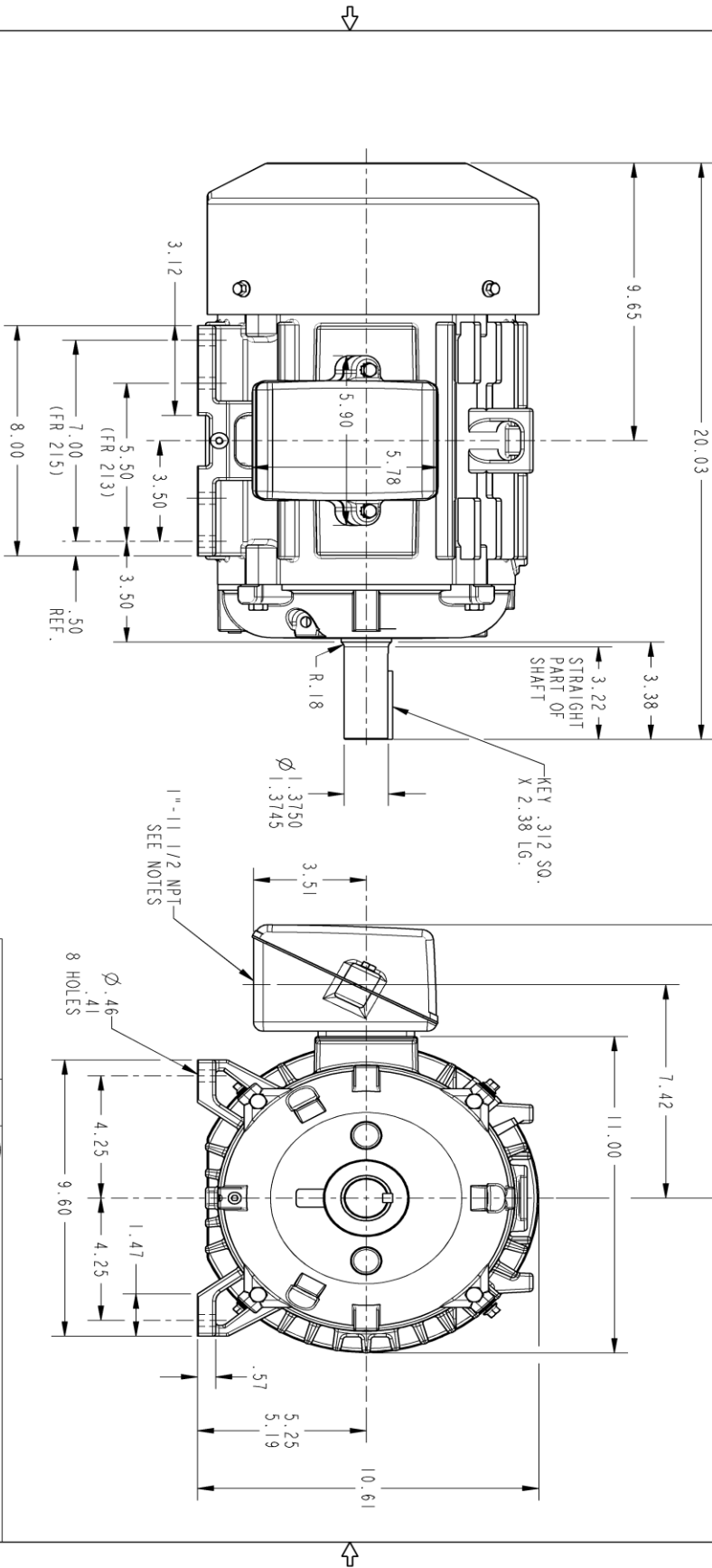
Open Circuit A-C:	0.236	Short Circuit D-C:	0.01
Short Circuit A-C:	0.014	X/R Ratio:	3.662
Stator Slots:	36	Rotor Slots:	44

Speed Torque Current Curve (First Connection, First Speed)



Marks:

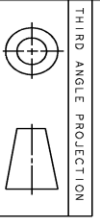
NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN OR TO EITHER SIDE.
NOTE 2: F1 ASSEMBLY AS SHOWN.



PROPRIETARY INFORMATION
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REV.	DESCRIPTION	DATE	APPROVED

SIZE	DRAWING NO.	REV	SHEET
B	4002B5821PAR5201	0	1



THIRD ANGLE PROJECTION

ALL DIMENSIONS ARE IN INCHES

SIGNATURES	DATE	<p>GE INDUSTRIAL MOTORS a WOLONG company</p> <p>INDUCTION MOTOR OUTLINE GP CONSTRUCTION</p> <p>PMF: FR 215/215 T TEFC</p>
MODEL	DHEFRABJ 250221	
DETAIL	VILANT 250221	
ENGR		
QC		
QUALITY	DHEFRABJ 250221	SIZE/DRAWING
ISSUED	B	4002B5821PAR5201
SOLID MODEL: 4002B5821PAR5201	SCALE: 0.300	REV
	REF. No.: 4002B5821PAR201	0
		SHEET 1 of 1

Marks:

Connection Diagram
GEM2034E-FIG3



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	4004D5282PA1	4004D5282SB1
Bearing	235A2603AA02	235A2603AA02
Slinger/Inproseal	149C4399G01	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G01
Fan Cover	4003C5806PA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5721PT-G01

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

