



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

October 11, 2022

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

Model Number:	5KS213BAA200
Catalog Number:	M1064
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	4002B5821GBP5201

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:	5KS213BAA200	Estimated Weight:	200 Lbs
Outline Drawing:	4002B5821GBP5201	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	GP
Design Code:	21BD1152A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	213TC	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	91.7 %
Output Power:	7.5HP 5.6KW	Guaranteed Efficiency:	90.2 %
RPM:	1770	3/4 Load Efficiency:	--
Voltage:	230/460	KVA Code:	H
Hertz:	60	Max KVAR:	2.3
Amps - FL:	18.4/9.2	Power Factor:	83.5
Service Factor:	1.15	Bearing - DE:	6309-2ZC3
Alt Service Factor:	--	Bearing - ODE:	6208-2ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

VT 0-60 HZ NEMA MG1-31; 208V-18.3A



Additional Information:

4P - TC EXTN
STANDARD FLOOR MOUNT
C/BOX 55 CU IN-1.00 NPT
F1 CONDUIT BOX MOUNTING
"C" FACE AT DE ENDSHIELD AK=8 1/2"
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-18.3 AMPS WITH 1.15 SF



Performance Characteristics

1st Winding 1st Connection

Design: 21BD1152A

Marks:

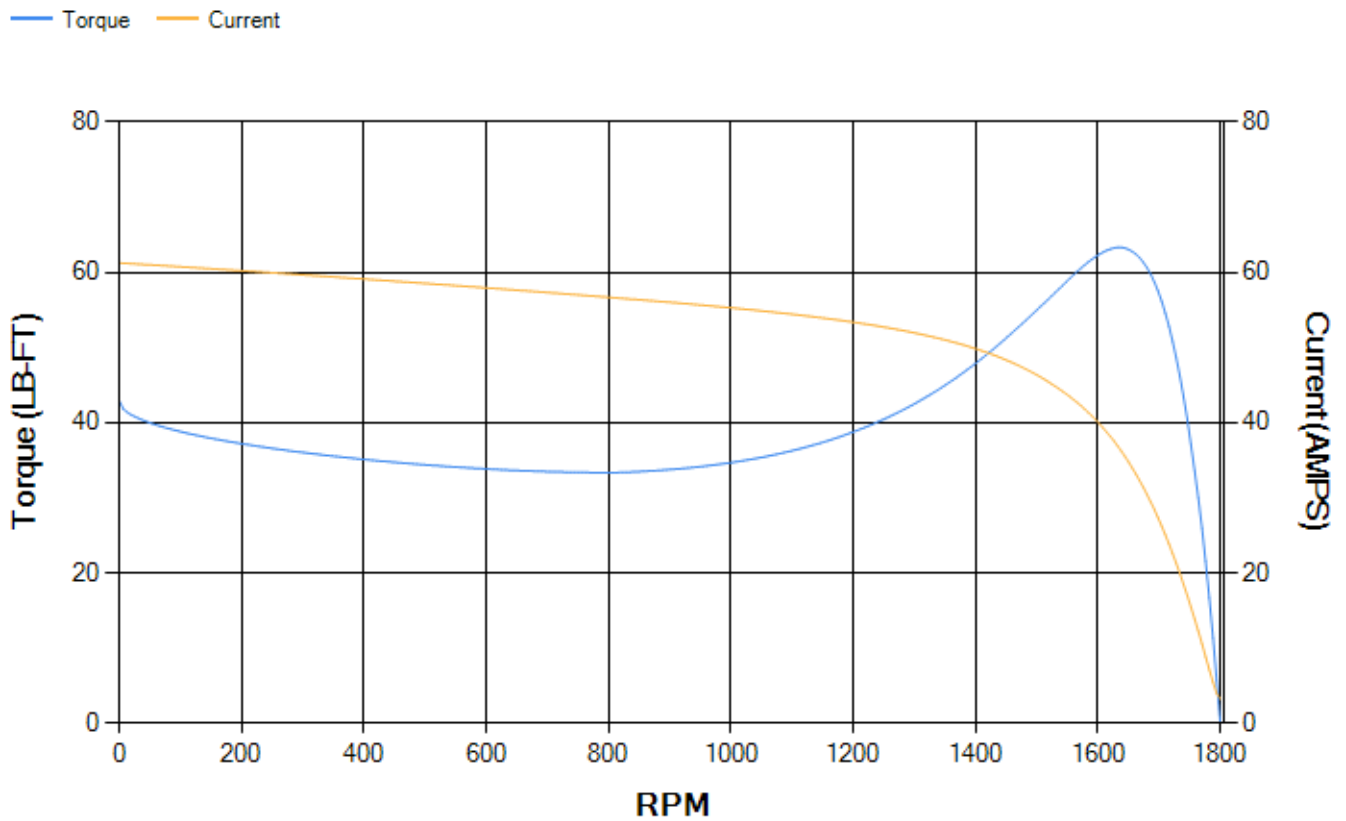
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.56	91.05	91.84	92.16	91.68	87.87	0.00
% PF	84.59	84.42	83.64	80.28	71.83	50.93	6.5
AMPS	11.45	10.5	9.14	7.12	5.33	3.92	3.22

TORQ(FL)#FT	22.25	TORQ(LR)%FL	192.5	TORQ(BD)%FL	282.87
AMPS(LR)	61.27	PF AT START	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 306 Lb-Ft Sq (12.88 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 54 seconds. Safe stall time at 100% voltage is 120 seconds cold, 89 seconds hot. Rotor inertia is 0.99 Lb-Ft Sq (0.04 Kg-meter Sq).

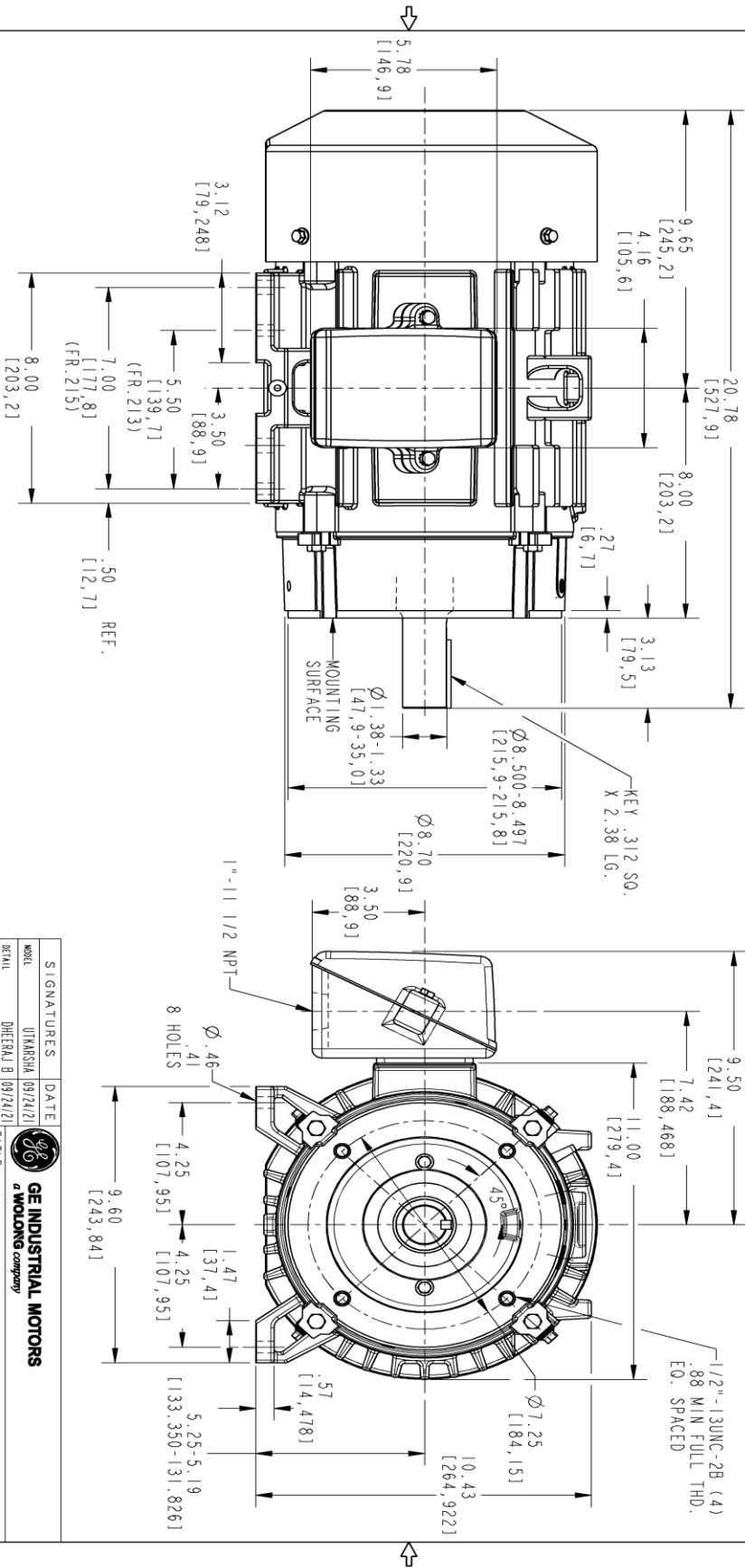
Open Circuit A-C:	0.448	Short Circuit D-C:	0.013
Short Circuit A-C:	0.021	X/R Ratio:	4.936
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



Marks:

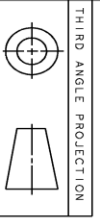
NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN OR TO EITHER SIDE.
 NOTE 2: F1 ASSEMBLY AS SHOWN.
 NOTE 3: MOUNTING SURFACES WILL BE SQUARE AND CONCENTRIC WITH SHAFT WITHIN .004 T.I.R.
 NOTE 4: SHAFT RUNOUT NOT TO EXCEED .002 T.I.R.
 NOTE 5: ALL DIMENSIONS ARE IN INCHES.



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REV.	DESCRIPTION	DATE	APPROVED

SIZE: DRAWING NO.	B	4002B5821GBP5201	REV	000	SHEET	1
REVISIONS						



SIGNATURES	DATE	<p>GE INDUSTRIAL MOTORS a Wolog company</p> <p>INDUCTION MOTOR OUTLINE GP CONSTRUCTION</p> <p>FR20TC TERC GP ULTRA "C" FACE (850" RABBIT), SS CUM. CBXX</p> <p>SCALE: 0.300 REF. No.: 4002B5821GBP5201</p>	
MODEL	UTAKASHA [09/24/21]		
DETAIL	DHEEMAJ B [09/24/21]		
CREATED	DHEEMAJ B [09/24/21]		
CHKD	-		
QUALITY	UTAKASHA [09/24/21]	TITLE	FR20TC TERC GP ULTRA "C" FACE (850" RABBIT), SS CUM. CBXX
ISSUED	B	SIZE/DRAWING	4002B5821GBP5201
SOLID MODEL: 4002B5821GBP5201		REV	000
		SHEET	1 of 1

Marks:

Connection Diagram
GEM2034E-FIG9



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6006YB1	4004D5282SB1
Bearing	235A2607AA02	235A2603AA02
Slinger/Inproseal	149C4399G02	

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	

