



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

November 18, 2020

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

Model Number:	5KS215DAE6039A
Catalog Number:	V4010
Instruction Manual:	GEK-95353
Connection Diagram:	GEM2034E-FIG3
Outline Drawing:	4002B5821NMP5210

Accessory Connection Diagrams

Bearing Thermocouple:	None	Heater:	3027JE-1C
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KS215DAE6039A	Estimated Weight:	206 Lbs
Outline Drawing:	4002B5821NMP5210	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG3	Enclosure:	WPI
Instruction Book:	GEK-95353	Encl Construction:	OPEN
Design Code:	21BD1288A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L215TP10	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	91.7 %
Output Power:	10HP 7.4KW	Guaranteed Efficiency:	90.2 %
RPM:	1765	3/4 Load Efficiency:	--
Voltage:	230/460	KVA Code:	H
Hertz:	60	Max KVAR:	3.2
Amps - FL:	24.8/12.4	Power Factor:	82.5
Service Factor:	1.15	Bearing - DE:	7308
Alt Service Factor:	--	Bearing - ODE:	6208-2ZC3

Enclosure is Weather Protected One

Stamped Nameplate Notes:

PREMIUM EFFICIENT MOTOR
 NEMA ENCL WPI AND CSA ENCL DP
 ROT CCW FACING ODE LEAD/PH SEQUENCE 1-2-3/1-2-3
 HTR LDS HE1-HE2 115V 60W
 INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:
 1.0 SF VAR TORQUE RANGE 5-60 HZ
 SUITABLE FOR 7.5HP, 190/380V,
 50 HZ WITH 22.6/11.3AMPS AND 1470 RPM AT 1.0 SF



Additional Information:

4P - TP EXTN
C/BOX 55 CU IN-1.00 NPT
AUX LEADS EXIT WITH MOTOR LEADS
RCF 5000 CPM, STATIC DEFLECTION .0014 INCHES &
CENTER OF GRAVITY 8.59 INCHES
HOLLOW SHAFT HIGH THRUST
NON REV CPLG W/BX=1.00" KW=0.25"
OIL RESISTANT SLEEVING ON LEADS
BEARING LIFE 8760 HOURS AT 2071 LB THRUST



Performance Characteristics

1st Winding 1st Connection

Design: 21BD1288A

Marks:

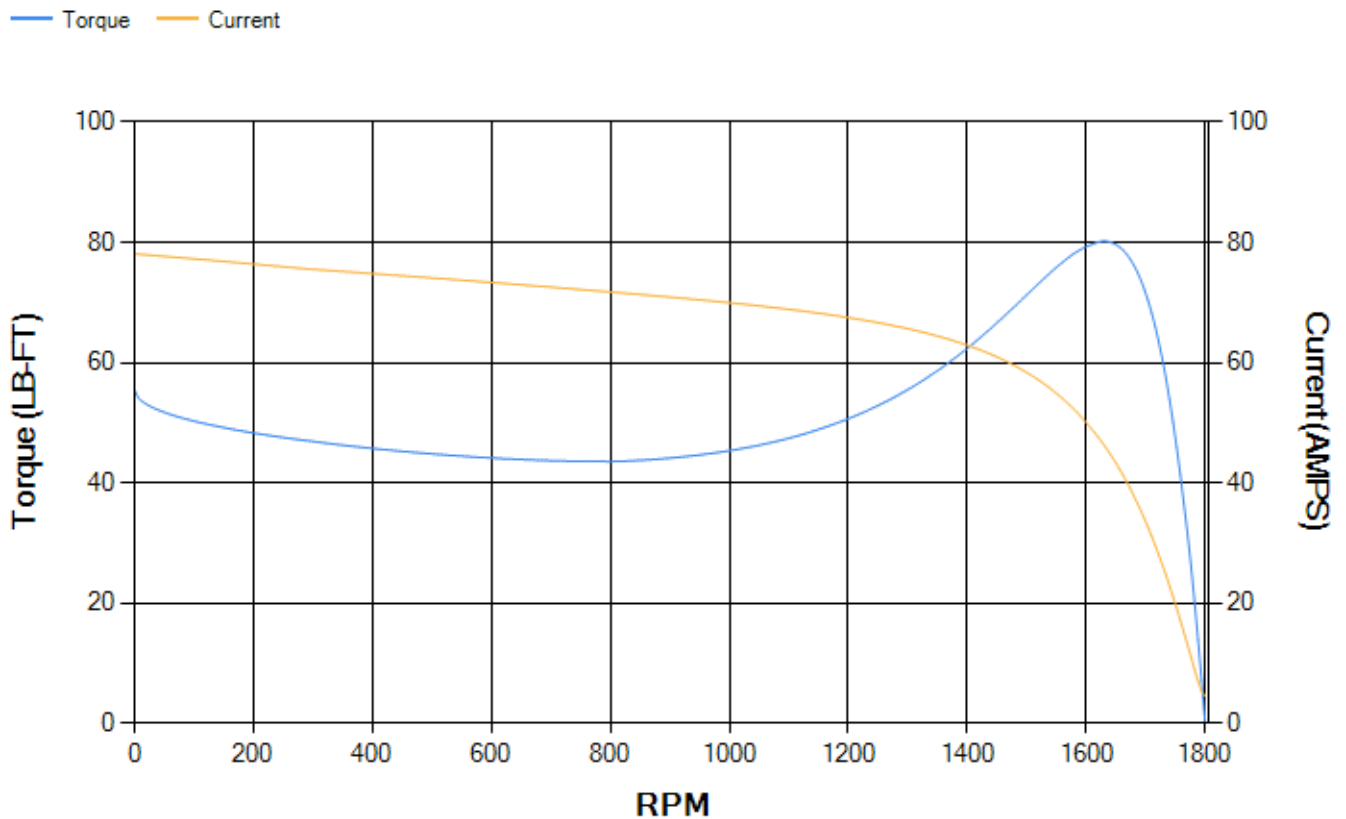
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.14	90.78	91.77	92.45	92.43	89.55	0.00
% PF	83.22	83.12	82.39	78.91	70.04	48.52	5.02
AMPS	15.6	14.26	12.38	9.62	7.23	5.38	4.51

TORQ(FL)#FT	29.72	TORQ(LR)%FL	186.42	TORQ(BD)%FL	267.97
AMPS(LR)	78.08	PF AT START	0.41		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 297 Lb-Ft Sq (12.5 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 41 seconds. Safe stall time at 100% voltage is 91 seconds cold, 66 seconds hot. Rotor inertia is 0.94 Lb-Ft Sq (0.04 Kg-meter Sq).

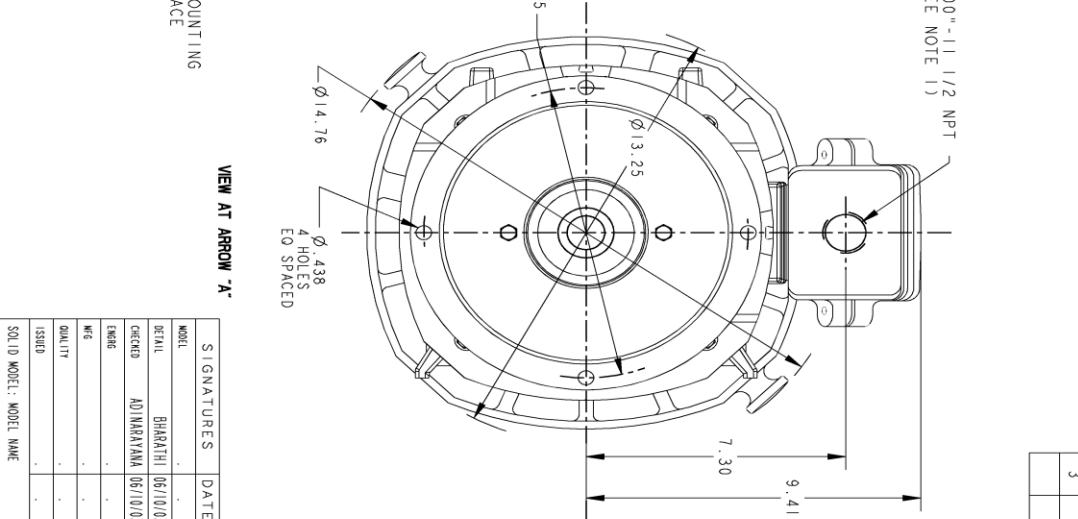
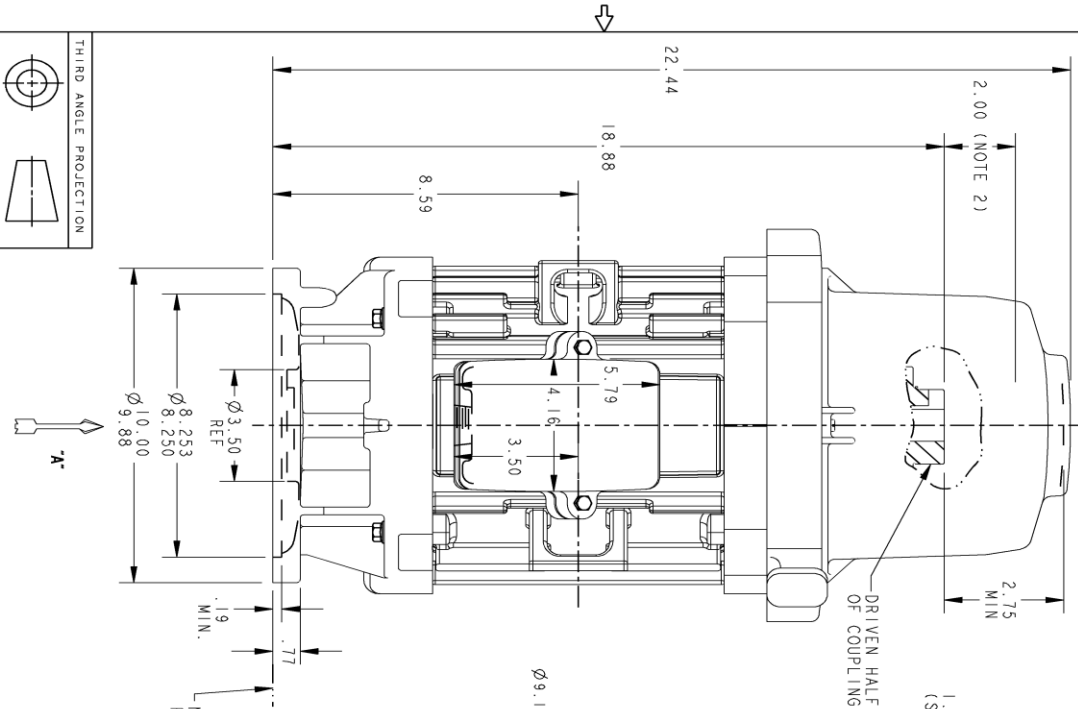
Open Circuit A-C:	0.39	Short Circuit D-C:	0.013
Short Circuit A-C:	0.02	X/R Ratio:	4.743
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



Marks:

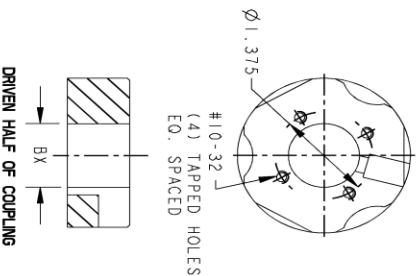
NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN, OR TO EITHER SIDE OF PUMP SHAFT & LOCKING NUT ABOVE TOP
 NOTE 2: THE TOTAL HEIGHT OF PUMP SHAFT & LOCKING NUT ABOVE TOP OF COUPLING, MUST NOT EXCEED THIS DIMENSION.
 NOTE 3: ALL DIMENSIONS ARE IN INCHES



VIEW AT ARROW 'A'

SIGNATURES	DATE
MODEL: BHARATHI	06/10/03
DETAIL: ADINARAYANA	06/10/03
ENGR:	
WIG:	
QUALITY:	
ISSUED:	
SOLID MODEL: MODEL NAME	

BORE DIA.	"B" X "	"W"	"D"
1.002			
1.001			
.939	.250		.125
.938			
.877			
.876			
.752	.188		.094
.751			
1.002			
1.001			
.939	.250		.125
.938			
.877			
.876			
.752	.188		.094
.751			



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REV.	DESCRIPTION	DATE	APPROVED
1	ISAAC NO: #09-0117	02/12/09	RAGHU
2	ISAAC NO: #16-1067	12/28/16	RAVI
3	ISAAC #18-0869	10/23/18	SHAR

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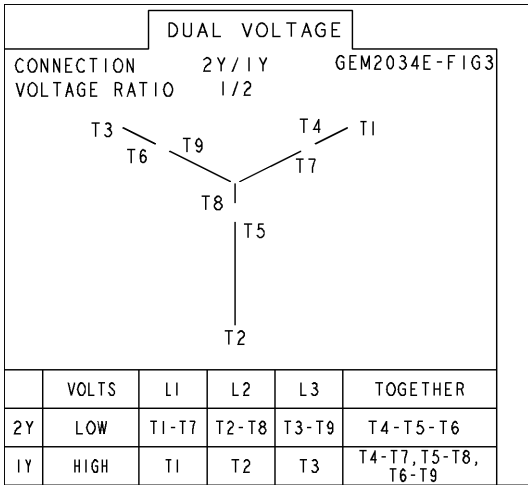
INDUCTION MOTOR OUTLINE
 FR210 WP4 T- BASE VERTICAL
 HOLLOW SHAFT - HIGH THRUST
 CIR (BD-10)
 4002B5821NMP5210
 SCALE: .3 REF. NO.
 SHEET 1 OF 1

SIZE DRAWING NO. 4002B5821NMP5210 003

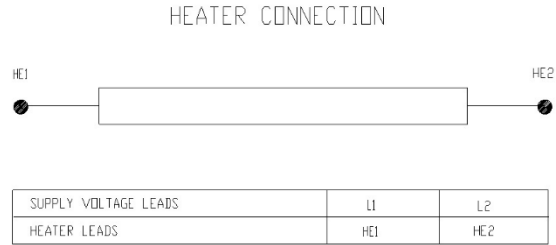
REVISIONS

Marks:

Connection Diagram
GEM2034E-FIG3



Heater Connection
3027JE-1C



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6024PA1	128D6025PA1
Bearing	235A2503EJ01	235A2503AA01
Slinger/Inproseal	235A2300FL1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	
Fan Cover	

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5721PA-G01

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

