

Product Information Packet

January 13, 2017

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

Model Number:	5KS213DAE6052B
Catalog Number:	V4402
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:	5KS213DAE6052B	Estimated Weight:	172 Lbs
Outline Drawing:	4002B5821NMP5210	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG3	Enclosure:	WPI
Instruction Book:	GEK-95353	Encl Construction:	OPEN
Design Code:	21BD1270A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L213TP10	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	91 %
Output Power:	7.5HP 5.6KW	Guaranteed Efficiency:	89.5
RPM:	1770	3/4 Load Efficiency:	92.1
Voltage:	230/460	KVA Code:	H
Hertz:	60	Max KVAR:	2.9
Amps - FL:	19.2/9.6	Power Factor:	80.0
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 20-60 HZ
 SUITABLE FOR 5HP, 190/380V,
 50 HZ WITH 16.2/8.1AMPS 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
 OIL RESISTANT SLEEVING ON LEADS
 BEARING LIFE 8760 HOURS AT 2071 LB THRUST
 BALL TYPE COUPLING
 COUPLING WILL BE ORDERED SEPARATELY

Performance Characteristics

1st Winding 1st Connection

Design: 21BD1270A

Marks:

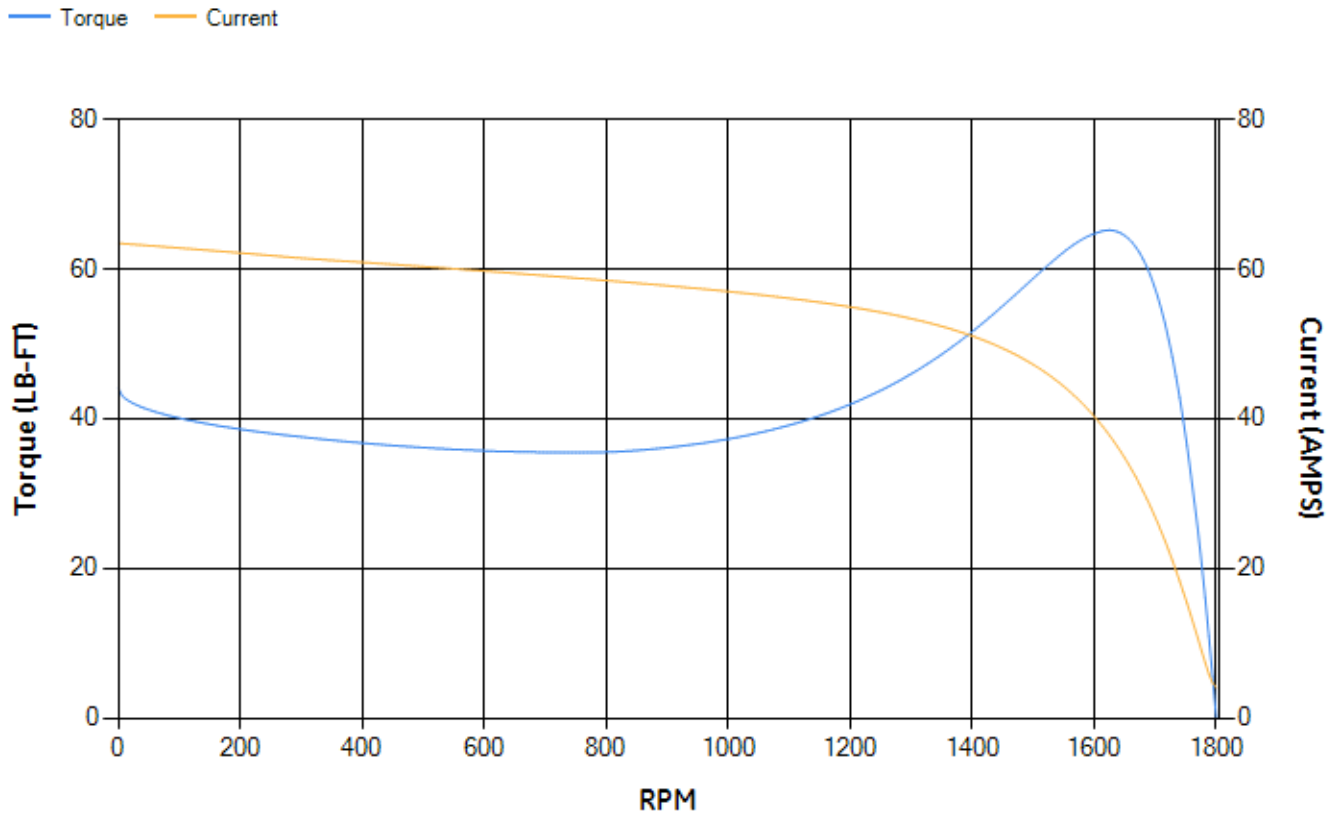
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.4	90.9	91.7	92.06	91.61	87.81	0.00
% PF	81.85	81.32	79.9	75.06	64.56	42.73	5.1
AMPS	11.86	10.92	9.58	7.62	5.93	4.68	4.1

TORQ(FL)#FT	22.25	TORQ(LR)%FL	198.03	TORQ(BD)%FL	291.01
AMPS(LR)	63.44	PF AT START	0.41		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 271 Lb-Ft Sq (11.41 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 45 seconds. Safe stall time at 100% voltage is 100 seconds cold, 77 seconds hot. Rotor inertia is 0.74 Lb-Ft Sq (0.03 Kg-meter Sq).

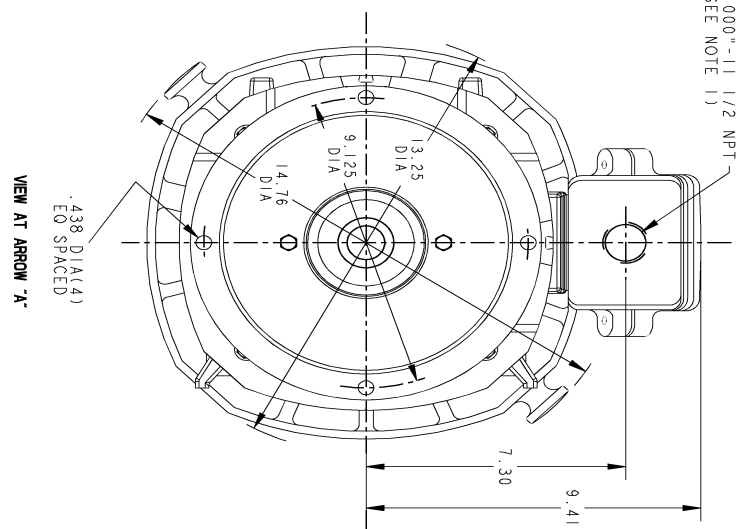
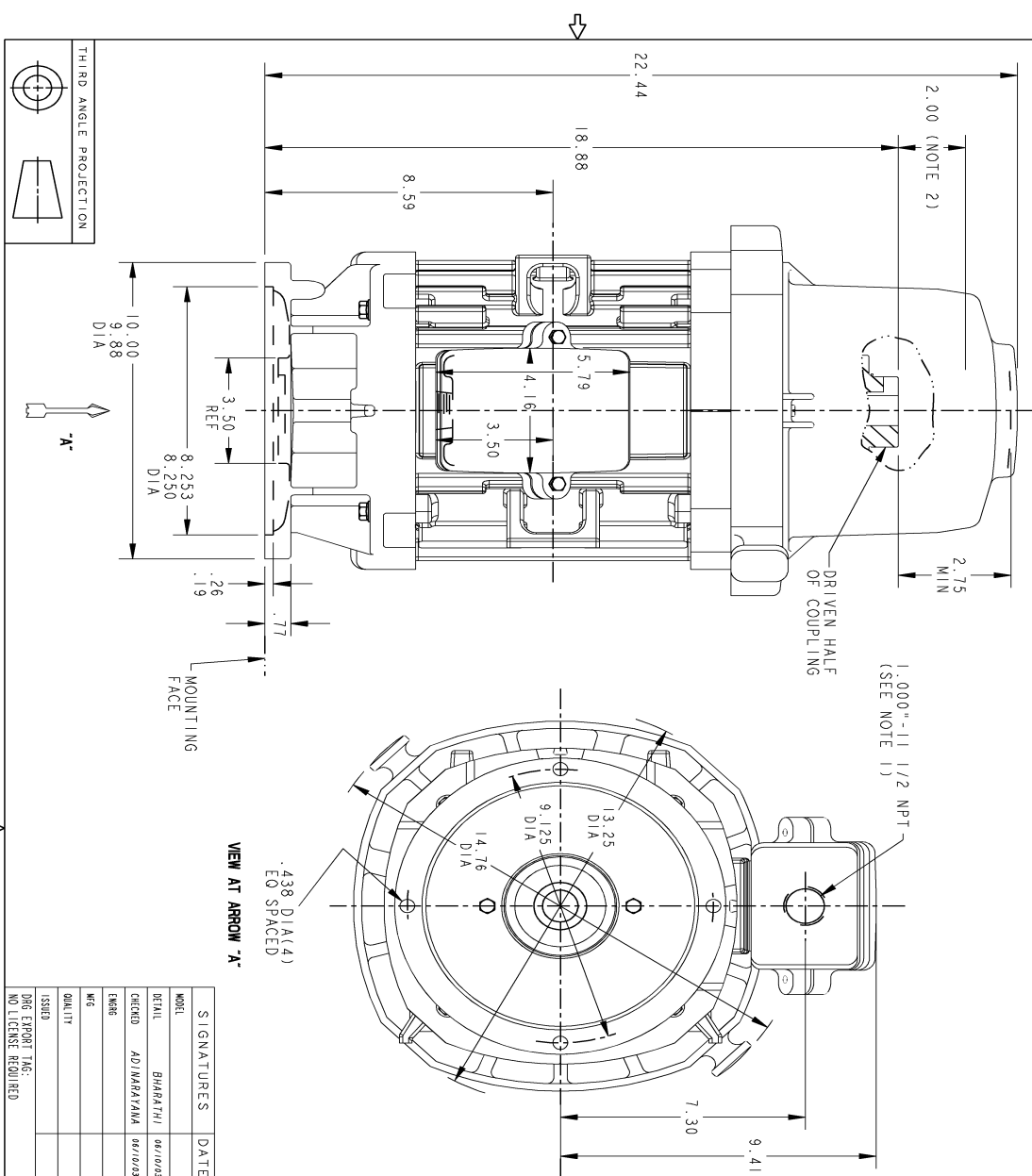
Open Circuit A-C:	0.352	Short Circuit D-C:	0.012
Short Circuit A-C:	0.02	X/R Ratio:	4.681
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



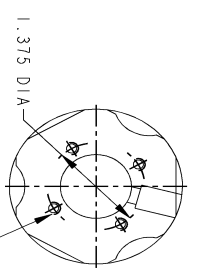
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NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN, OR TO EITHER SIDE.
 NOTE 2: THE TOTAL HEIGHT OF PUMP SHAFT & LOCKING NUT ABOVE TOP OF COUPLING, MUST NOT EXCEED THIS DIMENSION.



REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	ISAAC NO: #09-0117 PRADDEP	02/12/09	RAJU
2	ISAAC NO: #16-1067 NAGARAJ	12/28/16	RAVI



DRIVEN HALF OF COUPLING

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

SIGNATURES DATE

MODEL BHARATHI 08/10/03

DETAIL ADINARAYANA 08/10/03

ENGR

QC

ISSUED

DWG EXPORT TAG: NO LICENSE REQUIRED

SCALE: .3

SHEET 1 OF 1

GE POWER CONVERSION

CLASS II (GE INTERNAL CATALOG)

INDUCTION MOTOR OUTLINE

FR-210 WP-1 "P" BASE VERTICAL

HOLLOW SHAFT - HIGH THRUST

4002B582NMP5210 002

C.I.R.

(BD=10)

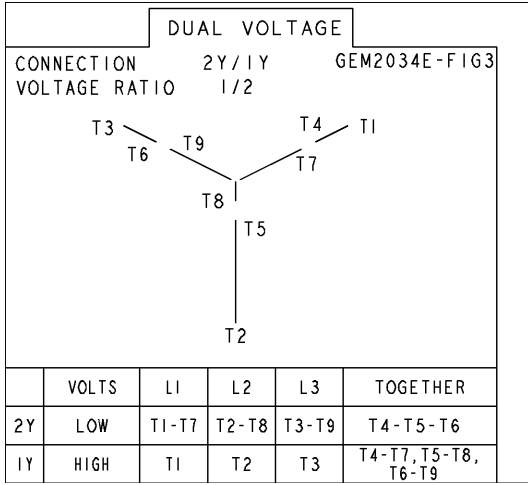
REV

SOLID MODEL: MODEL NAME

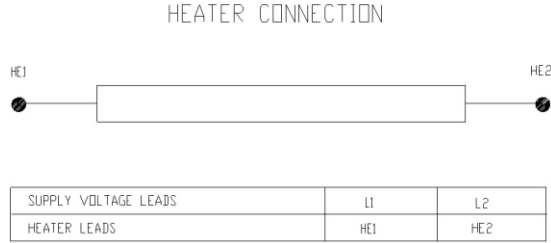
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Marks:

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	