



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

December 2, 2020

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

Model Number:	5KS215SAE6042A
Catalog Number:	V4028
Instruction Manual:	GEK-95351
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	4002B5821PMP5323

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:	5KS215SAE6042A
Outline Drawing:	4002B5821PMP5323
Connection Diagram:	GEM2034E-FIG9
Instruction Book:	GEK-95351
Design Code:	21BD1134A
Type:	KS
Frame:	L215TP10
Phases:	3
Poles:	4
Output Power:	10HP 7.4KW
RPM:	1765
Voltage:	230/460
Hertz:	60
Amps - FL:	24.4/12.2
Service Factor:	1.15
Alt Service Factor:	1.00

Estimated Weight:	220 Lbs
Time Rating:	CONT
Enclosure:	TEFC
Encl Construction:	SD
Ambient Max(°C):	40
Alt Ambient Max(°C):	65
Insulation Class:	H
NEMA Design:	B
Nominal Efficiency:	91.7 %
Guaranteed Efficiency:	90.2 %
3/4 Load Efficiency:	--
KVA Code:	H
Max KVAR:	3.0
Power Factor:	83.5
Bearing - DE:	7308
Bearing - ODE:	6208-2ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

PREMIUM EFFICIENT MOTOR
 ROT CCW FACING ODE LEAD/PH SEQUENCE 1-2-3/1-2-3
 HTR LDS HE1-HE2 115V 60W
 SEVERE DUTY
 INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:
 1.0 SF VAR TORQUE RANGE 5-60 HZ
 50HZ DATA:7.5 HP 190/380 V WITH FLA-22.4/11.2 A



Additional Information:

4P - TP EXTN
C/BOX 55 CU IN-1.00 NPT
HEATER LEADS EXIT WITH MOTOR LEADS
E/SHLD GROUND STUD MTD ON DE C/BOX SIDE
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 2065 LB THRUST



Performance Characteristics

1st Winding 1st Connection

Design: 21BD1134A

Marks:

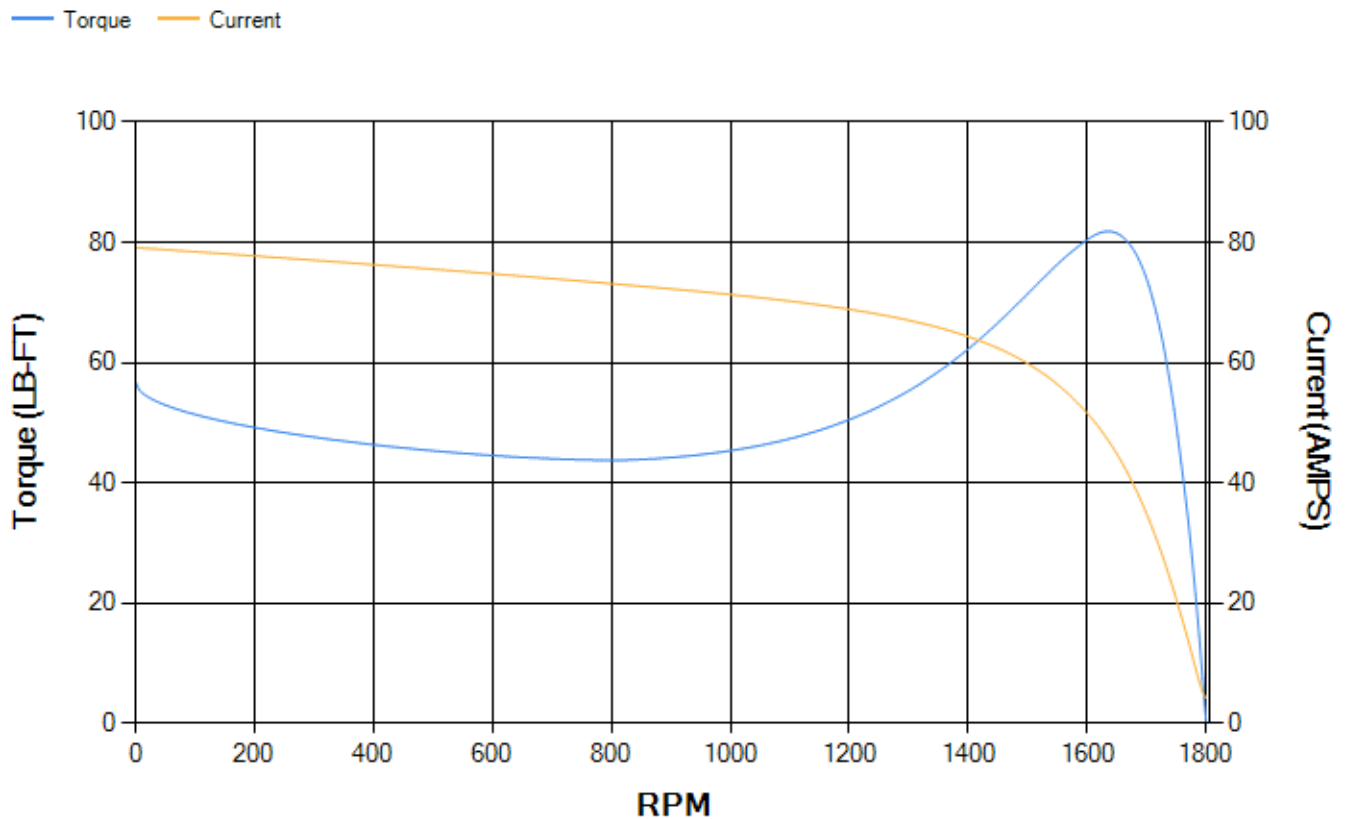
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.28	90.86	91.78	92.33	92.14	88.91	0.00
% PF	84.3	84.26	83.65	80.56	72.36	51.45	5.88
AMPS	15.37	14.06	12.19	9.44	7.02	5.11	4.18

TORQ(FL)#FT	29.72	TORQ(LR)%FL	190.92	TORQ(BD)%FL	273.59
AMPS(LR)	79.12	PF AT START	0.4		

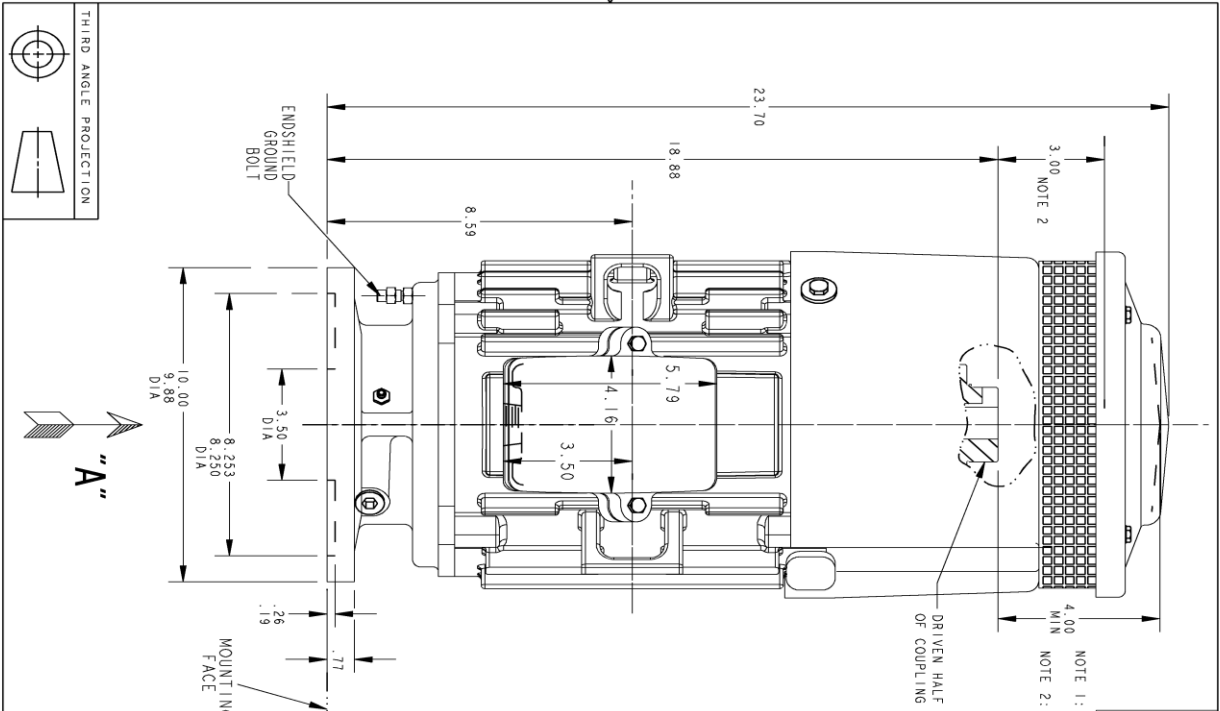
This motor is capable of two cold or one hot start with a maximum connected load inertia of 338 Lb-Ft Sq (14.23 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 46 seconds. Safe stall time at 100% voltage is 102 seconds cold, 68 seconds hot. Rotor inertia is 1.12 Lb-Ft Sq (0.05 Kg-meter Sq).

Open Circuit A-C:	0.421	Short Circuit D-C:	0.013
Short Circuit A-C:	0.02	X/R Ratio:	4.867
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



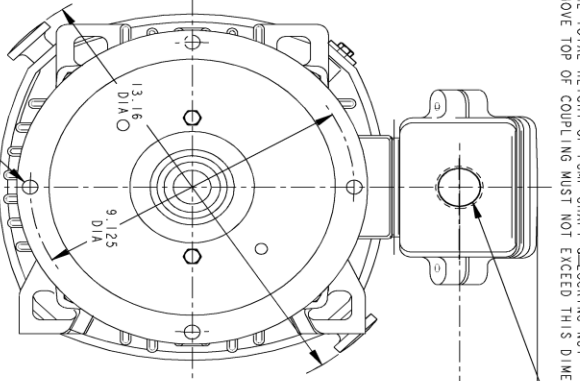
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NOTE 1: CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN OR TO EITHER SIDE.

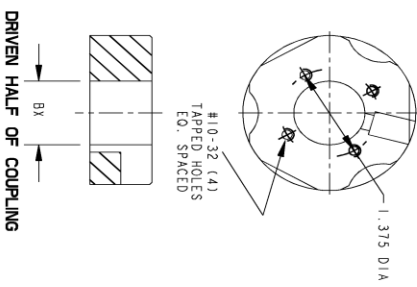
NOTE 2: THE TOTAL HEIGHT OF PUMP SHAFT & LOCKING NUT ABOVE TOP OF COUPLING MUST NOT EXCEED THIS DIMENSION.

PROPRIETARY INFORMATION
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VIEW AT ARROW "A"

COUPLING KIT	POLES		BORE DIA. "BY"	KEYWAY	
	4+	2		"W"	"D"
4002B5521AC NON-REVERSE	1	6	1.002		
	2	7	.939	.250	.125
	3	8	.877		
	4	9	.752	.188	.094
4002B5521AD BOLTED OR SELF-RELEASE	1	6	1.002		
	2	7	.938	.250	.125
	3	8	.877		
	4	9	.751	.188	.094



SIZE: DRAWING NO. **4002B5521PMP5323** 002

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	ISSAC# 14-0928	11/14/14	VI JAT
2	ISSAC# 18-0869	11/02/18	PRASHANTH

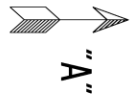
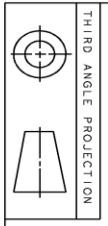
SIGNATURES	DATE
MANCH	11/13/13
MANCH	11/13/13
MANCH	11/13/13
MANCH	11/13/13

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INDUCTION MOTOR OUTLINE
 HOLLOW SHAFT-HIGH THRUST (B3-10), EXT. ON DE SIDE
 FME: FR20 TFC "P" BASE VERTICAL

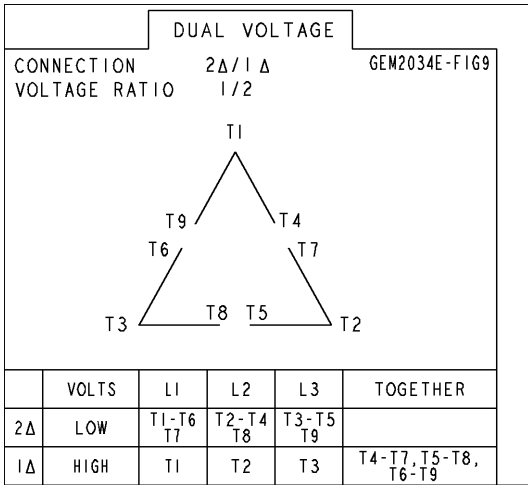
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SCALE: DRAWING SCALE

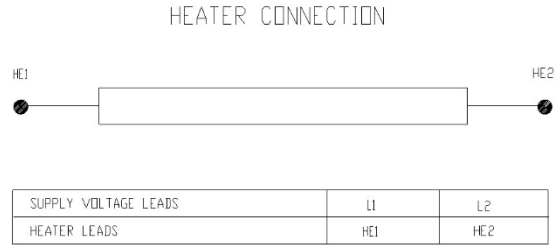


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Connection Diagram
GEM2034E-FIG9



Heater Connection
3027JE-1C



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6027PA1	128D6028PA1
Bearing	235A2503EJ01	235A2503AA01
Slinger/Inproseal	235A2300FL1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	
Fan Cover	4003C5521AC-G01

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

