



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

December 1, 2022

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

Model Number:	5KS256DAE6075
Catalog Number:	V4037
Instruction Manual:	GEK-95353
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	4002B5825NSP5212

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:	5KS256DAE6075
Outline Drawing:	4002B5825NSP5212
Connection Diagram:	GEM2034E-FIG9
Instruction Book:	GEK-95353
Design Code:	25BD1131A
Type:	KS
Frame:	L256TP12
Phases:	3
Poles:	4
Output Power:	20HP 14.8KW
RPM:	1775
Voltage:	230/460
Hertz:	60
Amps - FL:	47.6/23.8
Service Factor:	1.15
Alt Service Factor:	--

Estimated Weight:	315 Lbs
Time Rating:	CONT
Enclosure:	WPI
Encl Construction:	OPEN
Ambient Max(°C):	40
Alt Ambient Max(°C):	--
Insulation Class:	H
NEMA Design:	B
Nominal Efficiency:	93.0 %
Guaranteed Efficiency:	91.7 %
3/4 Load Efficiency:	--
KVA Code:	G
Max KVAR:	6.3
Power Factor:	84.5
Bearing - DE:	7309
Bearing - ODE:	6209-2ZC3

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 15HP, 190/380V,
 50 HZ WITH 43.8/21.9AMPS AND 1475 RPM AT 1.0 SF



Additional Information:

4P - TP EXTN
C/BOX 137 CU IN-1.25 NPT
AUX LEADS EXIT WITH MOTOR LEADS
RCF 5000 CPM, STATIC DEFLECTION .0014 INCHES &
CENTER OF GRAVITY 10.75 INCHES
HOLLOW SHAFT HIGH THRUST
NON REV CPLG W/BX=1.25" KW=0.25"
OIL RESISTANT SLEEVING ON LEADS
BEARING LIFE 8760 HOURS AT 2574 LB THRUST



Performance Characteristics

1st Winding 1st Connection

Design: 25BD1131A

Marks:

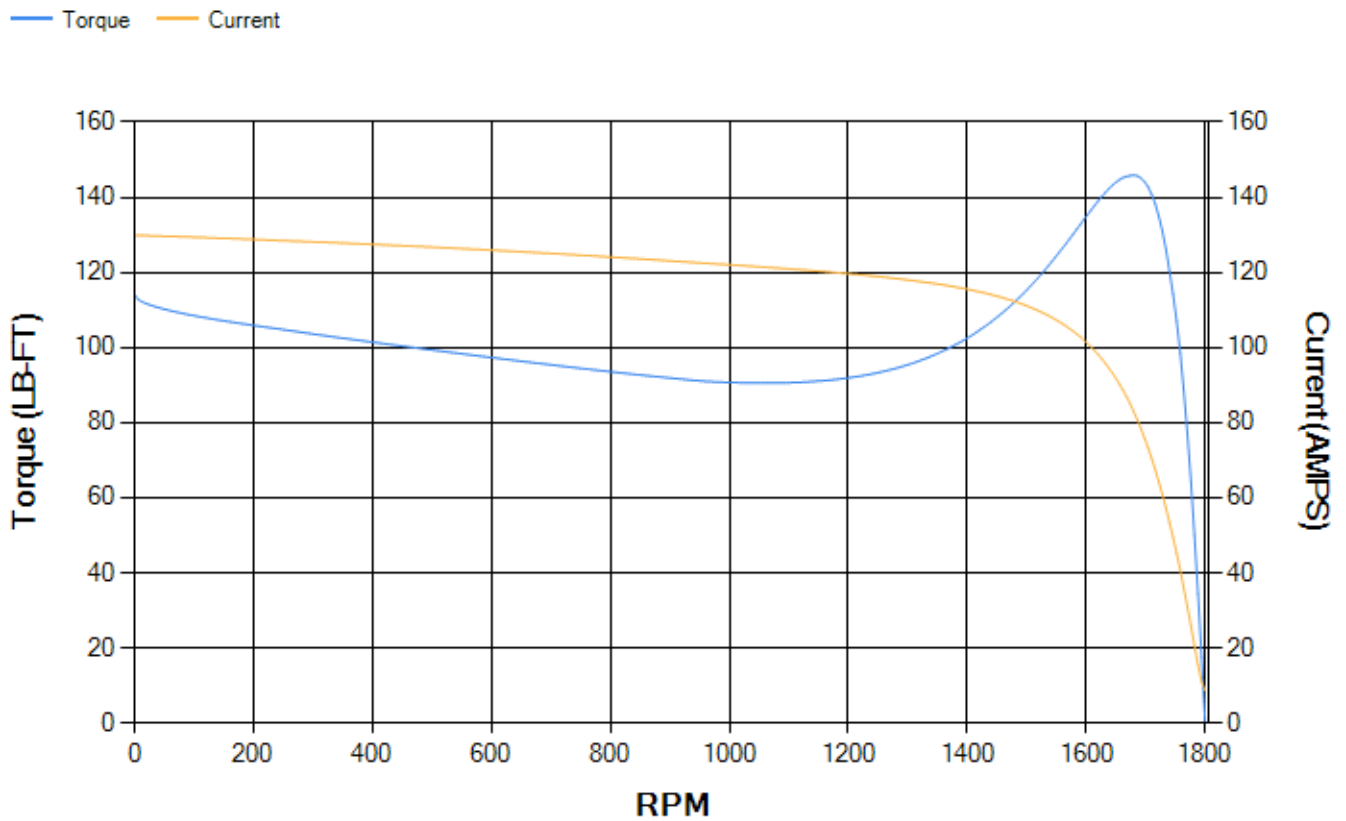
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.09	92.54	93.3	93.73	93.64	91.1	0.00
% PF	85.65	85.32	84.33	80.56	71.46	49.39	4.34
AMPS	29.67	27.26	23.79	18.59	13.99	10.4	8.72

TORQ(FL)#FT	59.18	TORQ(LR)%FL	192.74	TORQ(BD)%FL	245.47
AMPS(LR)	129.91	PF AT START	0.45		

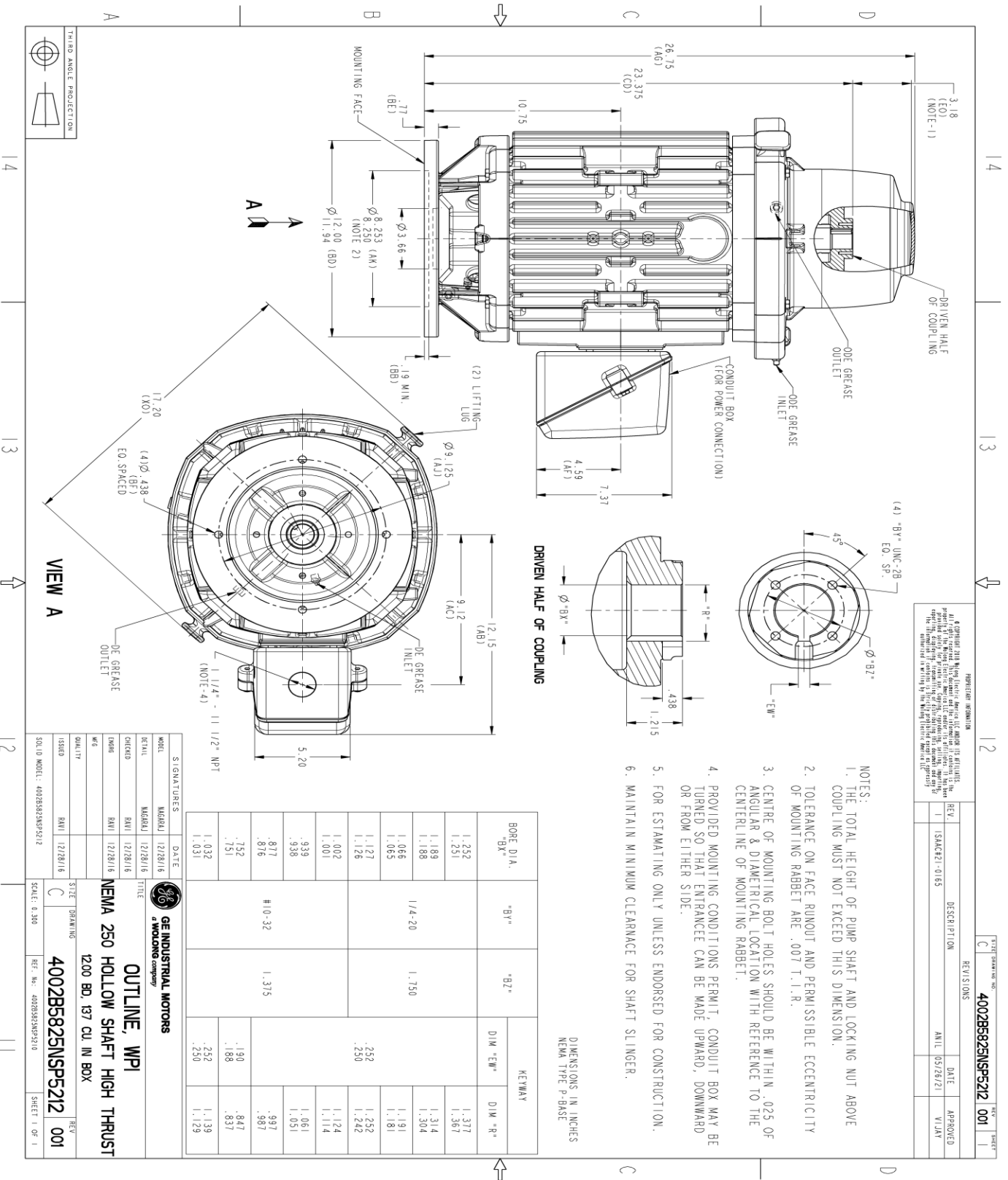
This motor is capable of two cold or one hot start with a maximum connected load inertia of 611 Lb-Ft Sq (25.72 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 43 seconds. Safe stall time at 100% voltage is 95 seconds cold, 70 seconds hot. Rotor inertia is 2.7 Lb-Ft Sq (0.11 Kg-meter Sq).

Open Circuit A-C:	0.498	Short Circuit D-C:	0.014
Short Circuit A-C:	0.026	X/R Ratio:	5.26
Stator Slots:	48	Rotor Slots:	40

Speed Torque Current Curve (First Connection, First Speed)



Marks:



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REV.	DESCRIPTION	DATE	APPROVED
1	ISSACR21-0165	05/26/21	VJ/AV

- NOTES:
- THE TOTAL HEIGHT OF PUMP SHAFT AND LOCKING NUT ABOVE COUPLING MUST NOT EXCEED THIS DIMENSION.
 - TOLERANCE ON FACE RUNOUT AND PERMISSIBLE ECCENTRICITY OF MOUNTING RABBIT ARE .007 T.I.R.
 - CENTRE OF MOUNTING BOLT HOLES SHOULD BE WITHIN .025 OF ANGULAR & DIAMETRICAL LOCATION WITH REFERENCE TO THE CENTERLINE OF MOUNTING RABBIT.
 - PROVIDED MOUNTING CONDITIONS PERMIT, CONDUIT BOX MAY BE TURNED SO THAT ENTRANCE CAN BE MADE UPWARD, DOWNWARD OR FROM EITHER SIDE.
 - FOR ESTIMATING ONLY UNLESS ENDORSED FOR CONSTRUCTION.
 - MAINTAIN MINIMUM CLEARANCE FOR SHAFT SLINGER.

DIMENSIONS IN INCHES
 NEMA TYPE P-BASE

BORE DIA. "BX"	"B1"	"B2"	KEYWAY	
			D1W "E"	D1W "R"
1.252				1.377
1.251				1.367
1.189				1.314
1.188	1/4-20	1.750		1.304
1.066				1.191
1.065				1.181
1.127			.252	1.252
1.126			.250	1.242
1.002				1.124
1.001				1.114
.939				1.061
.877	#10-32	1.375		.997
.876				.987
.752			.190	.847
.751			.188	.837
1.032			.252	1.139
1.031			.250	1.129

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OUTLINE, WPI
 NEMA 250 HOLLOW SHAFT HIGH THRUST
 1200 BD, 137 CU, IN BOX

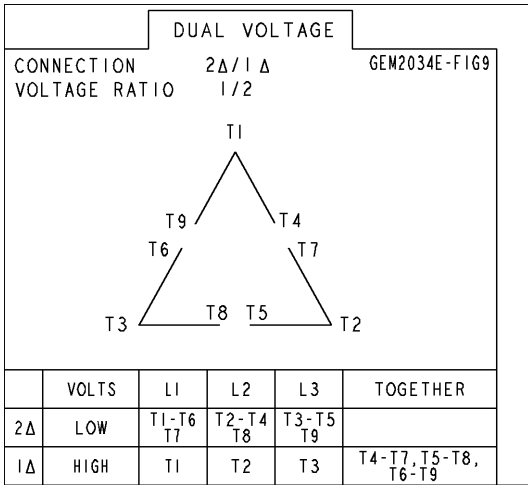
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MGRAJ	12/28/16
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MGRAJ	12/28/16
MGRAJ	12/28/16
MGRAJ	12/28/16

SCALE: 0.300

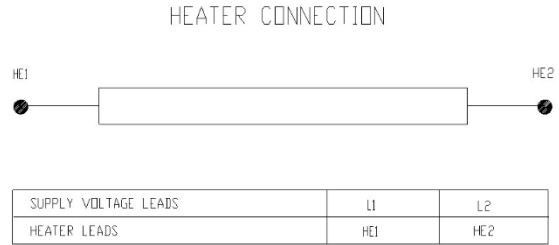
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Marks:

Connection Diagram
GEM2034E-FIG9



Heater Connection
3027JE-1C



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6125PA1	128D6128PA1
Bearing	235A2507AC01	235A2507EE01
Slinger/Inproseal	235A2300FL3	

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

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	4002B5728PA-G04

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

