



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

September 9, 2022

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

Model Number:	5KE256DAE6021
Catalog Number:	VF119
Instruction Manual:	GEK-95353
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	4002B5825NSP5210

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:	5KE256DAE6021	Estimated Weight:	315 Lbs
Outline Drawing:	4002B5825NSP5210	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	WPI
Instruction Book:	GEK-95353	Encl Construction:	OPEN
Design Code:	25BD1320A	Ambient Max(°C):	40
Type:	KE	Alt Ambient Max(°C):	--
Frame:	L256TP10	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	91.0 %
Output Power:	20HP 14.8KW	Guaranteed Efficiency:	89.5 %
RPM:	1770	3/4 Load Efficiency:	--
Voltage:	200-230/460	KVA Code:	G
Hertz:	60	Max KVAR:	7.2
Amps - FL:	55.3-50.2/25.1	Power Factor:	82.0
Service Factor:	1.15	Bearing - DE:	7309
Alt Service Factor:	--	Bearing - ODE:	6209-2ZC3

Enclosure is Weather Protected One

Stamped Nameplate Notes:

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 15 HP, 190/380 V, 50 HZ
 45.8/ 22.9 AMPS



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=1.18" KW=0.25"
OIL RESISTANT SLEEVING ON LEADS
BEARING LIFE 8760 HOURS AT 2574 LB THRUST
FIRE PUMP MOTOR
ESTIMATED SOUND PRESSURE < 80 DBA@ 1 METER



Performance Characteristics

1st Winding 1st Connection

Design: 25BD1320A

Marks:

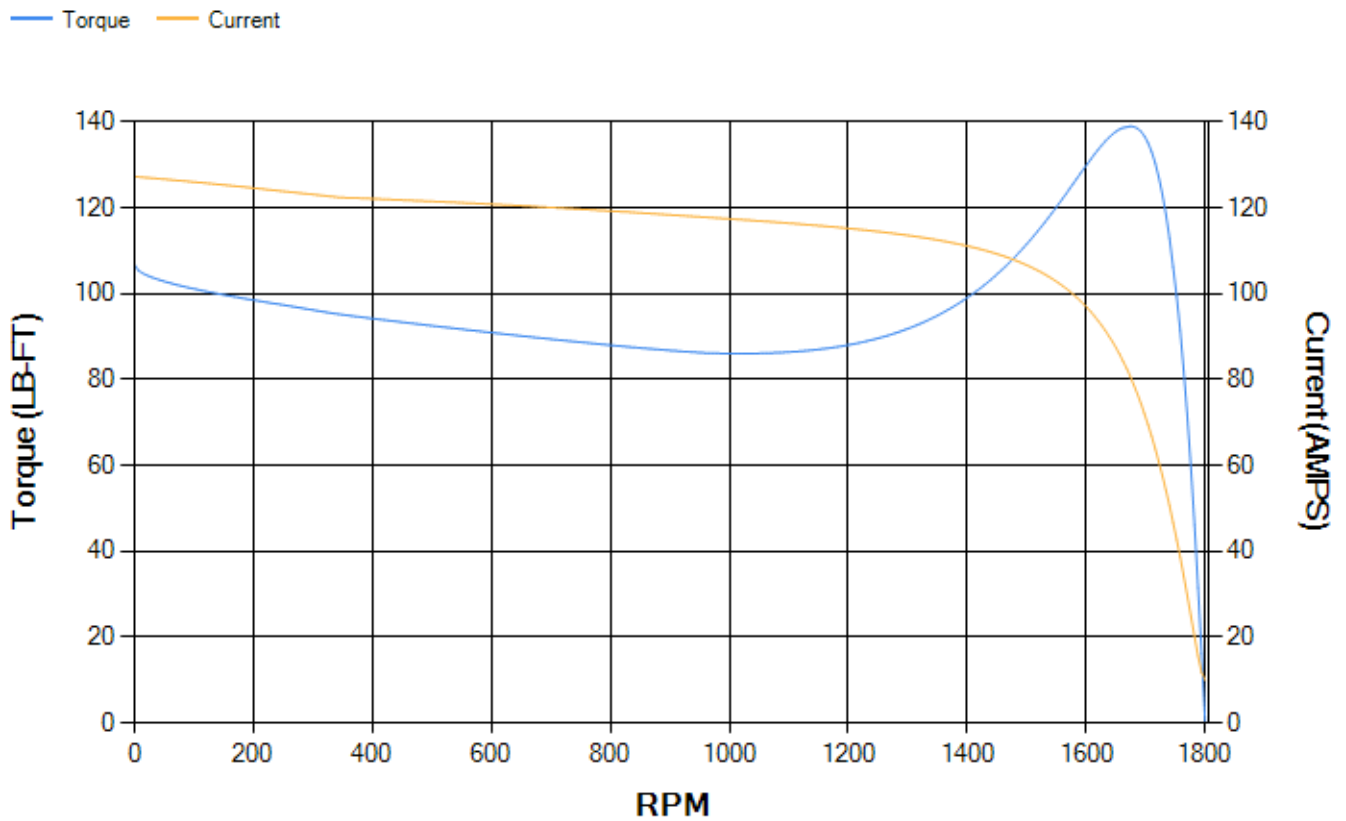
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.79	91.34	92.23	92.8	92.74	89.92	0.00
% PF	83.72	83.29	82.05	77.6	67.44	45.02	4.28
AMPS	30.78	28.3	24.74	19.5	14.96	11.56	10.05

TORQ(FL)#FT	59.29	TORQ(LR)%FL	180.05	TORQ(BD)%FL	233.5
AMPS(LR)	127.31	PF AT START	0.46		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 448 Lb-Ft Sq (18.86 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 33 seconds. Safe stall time at 100% voltage is 74 seconds cold, 52 seconds hot. Rotor inertia is 2.08 Lb-Ft Sq (0.09 Kg-meter Sq).

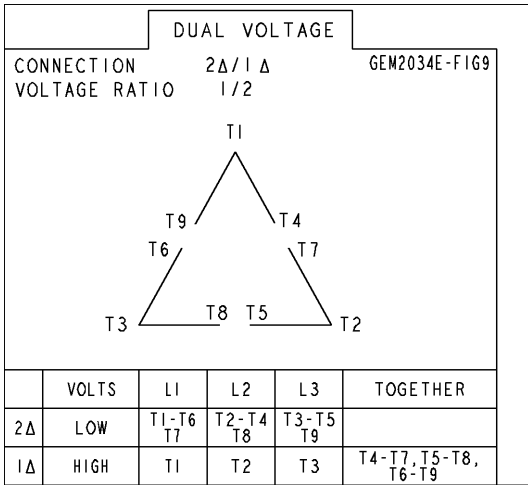
Open Circuit A-C:	0.394	Short Circuit D-C:	0.012
Short Circuit A-C:	0.024	X/R Ratio:	4.541
Stator Slots:	48	Rotor Slots:	40

Speed Torque Current Curve (First Connection, First Speed)

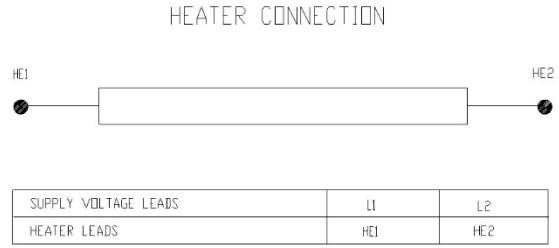


Marks:

Connection Diagram
GEM2034E-FIG9



Heater Connection
3027JE-1C



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	128D6124PA1	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	

