



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

July 17, 2020

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

Model Number:	5KE326DAJ6020B
Catalog Number:	VF106
Instruction Manual:	GEI-M1045
Connection Diagram:	GEM2034E-FIG254
Outline Drawing:	148CB32VMHKBCAA0001

Accessory Connection Diagrams

Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KE326DAJ6020B	Estimated Weight:	730 Lbs
Outline Drawing:	148CB32VMHKBCAA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG254	Enclosure:	WPI
Instruction Book:	GEI-M1045	Encl Construction:	OPEN
Design Code:	32BD1279A	Ambient Max(°C):	40
Type:	KE	Alt Ambient Max(°C):	--
Frame:	L326TP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	93.0 %
Output Power:	50HP 37KW	Guaranteed Efficiency:	91.7 %
RPM:	1780	3/4 Load Efficiency:	94.0 %
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	18.7
Amps - FL:	124.2/62.1	Power Factor:	80.5
Service Factor:	1.15	Bearing - DE:	6212C3
Alt Service Factor:	--	Bearing - ODE:	235A2523AD01

Enclosure is Weather Protected One

Stamped Nameplate Notes:

NEMA ENCLOSURE WP-I, CSA ENCL DP
 ROT CCW FACING TOP LEAD/PH SEQ 1-2-3/1-2-3
 INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
 VAR TORQUE RANGE 5 -60 HZ
 UPPER BRG LUBE OIL: 2.1 QTS
 0 DEG C TO 40 DEG C : ISO 32(MINERAL OR SYNTHETIC)
 -15 DEG C TO 0 DEG C : ISO 32 SYNTHETIC



Additional Information:

4P, VERT HOLLOW SHAFT HIGH THRUST (1D)
C/BOX 346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
BEARING LIFE 8760 HRS AT 6320 LB THRUST
CG:13.86 IN FROM P-BASE FACE, STAT DEF:0.0025 IN
RCF:3600 CPM AT C/BOX SIDE, 3870 CPM AT
90 DEG FROM C/ BOX SIDE
NON-REVERSE BALL CARRIER,
BOLTED COUPLING, BX = 1.251, EW=0.25
FIRE PUMP MOTOR
WYE START DELTA RUN AT BOTH VOLTAGES
PART WINDING START AT LOW VOLTAGE ONLY
"CONNECTIONS TO BE VERIFIED BEFORE USING THIS MODEL"



Performance Characteristics

1st Winding 1st Connection

Design: 32BD1279A

Marks:

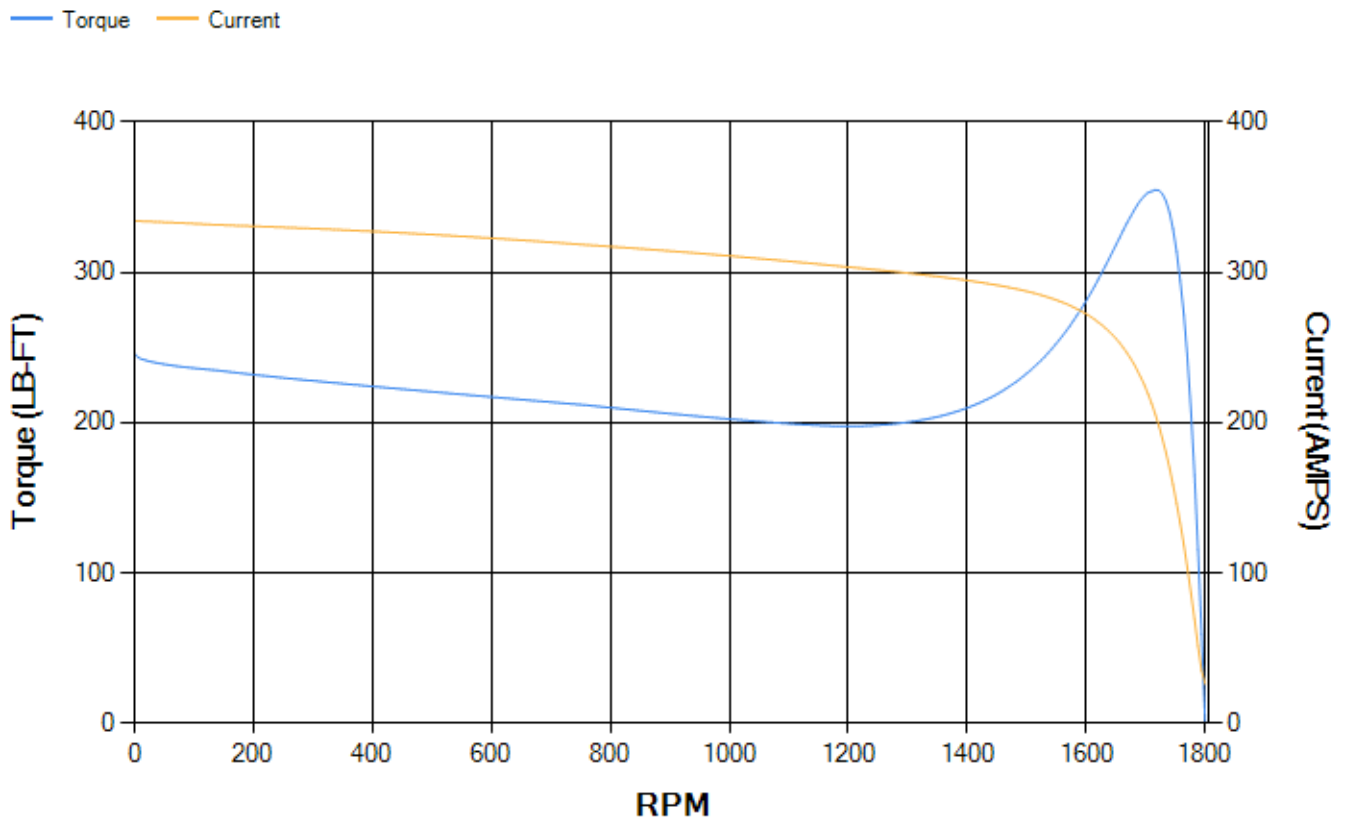
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.2	93.48	94	94	93.38	89.96	0.00
% PF	82.22	81.69	80.31	75.6	65.24	43.19	4.15
AMPS	76.33	70.47	61.85	49.39	38.4	30.12	26.16

TORQ(FL)#FT	147.54	TORQ(LR)%FL	166.71	TORQ(BD)%FL	239.61
AMPS(LR)	334.33	PF AT START	0.34		

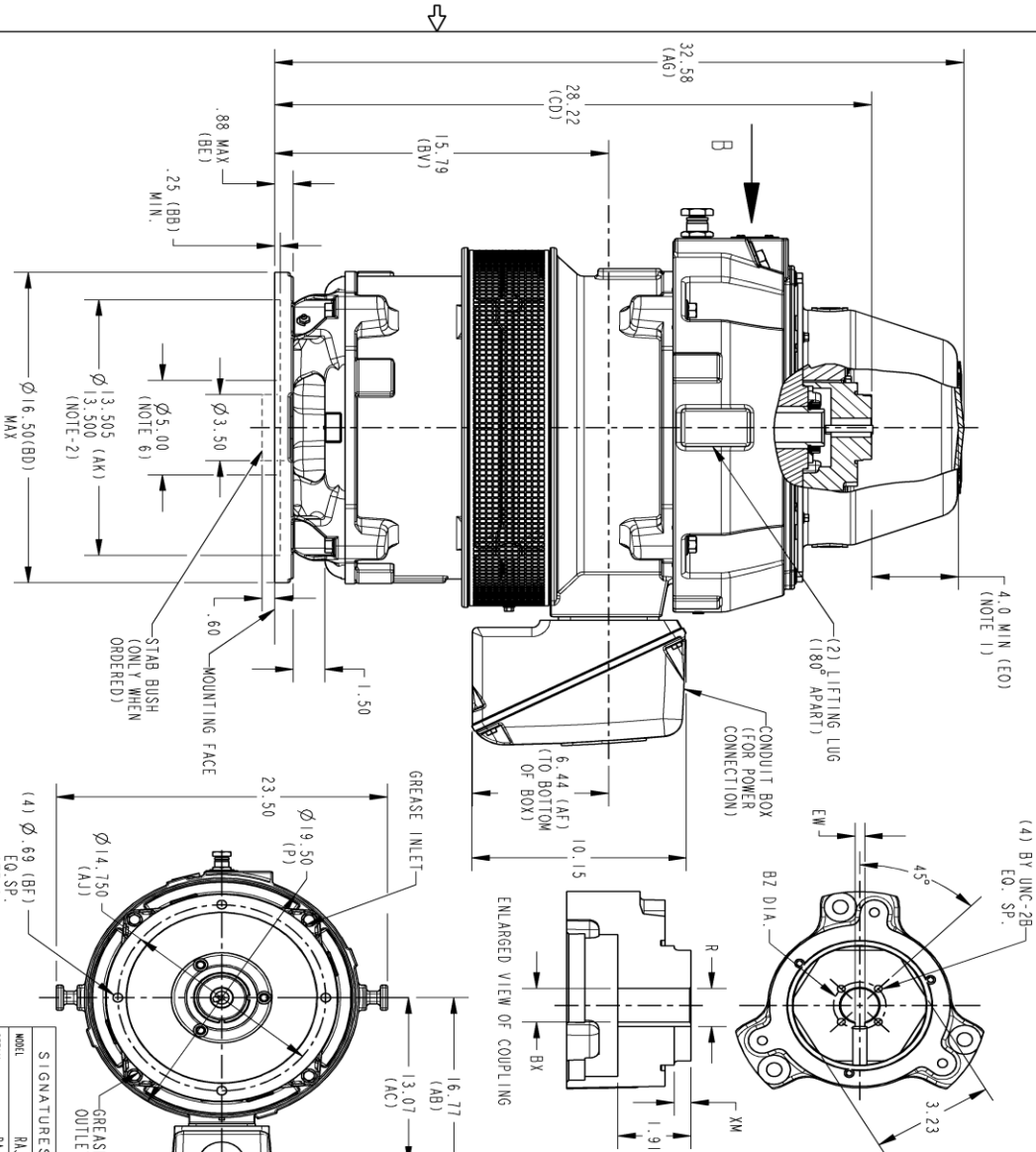
This motor is capable of two cold or one hot start with a maximum connected load inertia of 1242 Lb-Ft Sq (52.29 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 41 seconds. Safe stall time at 100% voltage is 77 seconds cold, 49 seconds hot. Rotor inertia is 7.89 Lb-Ft Sq (0.33 Kg-meter Sq).

Open Circuit A-C:	0.515	Short Circuit D-C:	0.022
Short Circuit A-C:	0.033	X/R Ratio:	8.186
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:



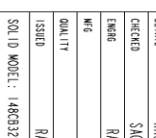
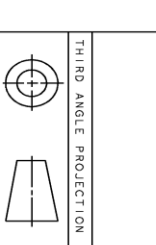
REV. DESCRIPTION DATE APPROVED

1	ISAC# 17-0691	09/01/17	RAGHU
2	ISSAC# 18-0869	12/17/18	PRAASHANTH

- NOTES:
1. THE TOTAL HEIGHT OF PUMP SHAFT AND LOCKING NUT ABOVE COUPLING MUST NOT EXCEED THIS DIMENSION.
 2. TOLERANCE ON FACE RIMOUT AND PERMISSIBLE ECCENTRICITY OF MOUNTING RABBIT ARE .007 T. I. R
 3. CENTRE OF MOUNTING BOLTS HOLES WITHIN 0.025 OF ANGULAR & DIAMETRICAL LOCATION WITHIN REFERENCE TO THE CENTRAL LINE OF MOUNTING RABBIT.
 4. PROVIDED MONTING CONDITIONS PERMIT, CONDUIT BOX MAY BE TURNED SO THAT ENTRANCE CAN BE MADE UPWARD, DOWNWARD OR FROM EITHER SIDE.
 5. FOR ESTIMATING ONLY UNLESS ENDORSED FOR CONSTRUCTION.
 6. MAINTAIN MINIMUM CLEARANCE FOR SHAFT SLINGER.

COUPLING DIMENSIONS

BX	BY	BZ	KEYWAY			
			EW	R	XM	YM
1.502-1.501	2.125	0.375	1.679/1.669	.562		
1.439-1.438	2.125	0.375	1.615/1.605	.562		
1.292-1.291	1/4-20	1.750	1.425/1.415	.562		
1.252-1.251		1.750	1.377/1.367	.438		
1.189-1.188		0.250	1.314/1.304	.438		
1.002-1.001	#10-32	1.375	1.124/1.114	.438		



SIGNATURES

NO.	SIGNATURES	DATE
1	RAJESH	03/14/2016
2	RAJESH	03/14/2016
3	SACHIN	03/14/2016
4	RAGHU	03/14/2016

GE INDUSTRIAL MOTORS
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OUTLINE, WPI
NEMA 324-326, HOLLOW SHAFT, HIGH THRUST
650 BD, 346 CU IN C/BOX

SCALE: 0.180 REF. NO. 148CB32VMHKBCAA0001

REVISIONS

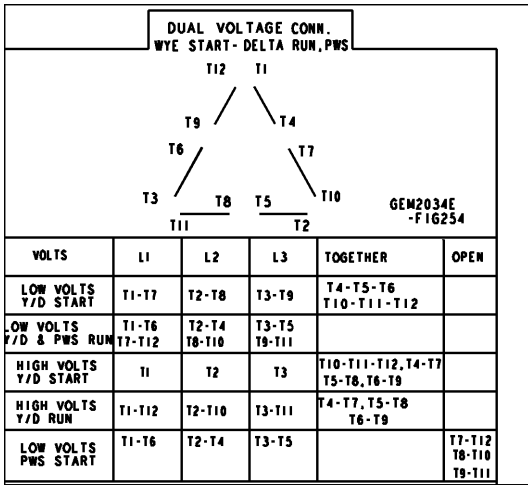
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Marks:

Connection Diagram
GEM2034E-FIG254



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E7205AA1	115E7208LJ1
Bearing	235A2509BE01	235A2523AD01
Slinger/Inproseal	235A2300FM1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	
Fan Cover	161C1052AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	149C4429AA2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

