



**GE INDUSTRIAL MOTORS**  
a **WOLONG** company

# Product Technical Information

June 17, 2021

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

<b>Model Number:</b>	<b>5KS365SAJ6008C</b>
<b>Catalog Number:</b>	<b>V4714</b>
<b>Instruction Manual:</b>	GEI-M1045
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	148CB36TMHKBCAA0001

## Accessory Connection Diagrams

<b>Bearing Thermocouple:</b>	None	<b>Heater:</b>	3027JE-1C
<b>RTD:</b>	None	<b>Thermistor:</b>	None
<b>Thermostat:</b>	3027JE-2A	<b>Winding Thermocouple:</b>	None
<b>Bearing RTD:</b>	None		

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**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS365SAJ6008C</b>	<b>Estimated Weight:</b>	1140 Lbs
<b>Outline Drawing:</b>	148CB36TMHKBCAA0001	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG7	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-M1045	<b>Encl Construction:</b>	X\$D
<b>Design Code:</b>	36BD1172AA	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	L365TP16	<b>Insulation Class:</b>	H
<b>Phases:</b>	3	<b>NEMA Design:</b>	B
<b>Poles:</b>	4	<b>Nominal Efficiency:</b>	95.4 %
<b>Output Power:</b>	75HP 55.5KW	<b>Guaranteed Efficiency:</b>	94.5 %
<b>RPM:</b>	1780	<b>3/4 Load Efficiency:</b>	--
<b>Voltage:</b>	460	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	22.3
<b>Amps - FL:</b>	87.4	<b>Power Factor:</b>	84.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6213C3
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	235A2523AD01

Enclosure is Totally Enclosed Fan-Cooled

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**Stamped Nameplate Notes:**

HTR LDS HE1-HE2 115V 100W  
 ROT CCW FACING TOP LEAD/PH SEQ 1-2-3/1-2-3  
 THERMOSTAT LEADS TB1-TB2 TRIP  
 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: 3.7 QTS  
 0 DEG C TO 40 DEG C : ISO 32(MINERAL OR SYNTHETIC)  
 -15 DEG C TO 0 DEG C : ISO 32 SYNTHETIC  
 SUITABLE FOR 60 HP, 380V, 50 HZ WITH  
 84.7 AMPS AND 1480 RPM AT 1.00 SF



**Additional Information:**

4P, VERT HOLLOW SHAFT HIGH THRUST (1D)  
C/BOX 346 CU IN - 3.00" NPT  
OIL RESISTANT SLEEVING ON LEADS  
N.C. TRIP TSTAT LDS TO MAIN CONDUIT BOX  
115V HTR LDS TO MAIN CONDUIT BOX  
SHAFT GROUNDING RING MOUNTED ON LOWER END BRG CAP  
BEARING LIFE 8760 HRS AT 6244 LB THRUST  
CG:17.65 IN FROM P-BASE FACE, STAT DEF:0.0046 IN  
RCF:2760 CPM AT C/BOX SIDE, 2760 CPM AT  
90 DEG FROM C/ BOX SIDE  
NON-REVERSE BALL CARRIER,  
BOLTED COUPLING, BX = 1.251", EW = .250"  
SPECIAL BALANCE



**Performance Characteristics**

1st Winding 1st Connection

**Design: 36BD1172AA**

**Marks:**

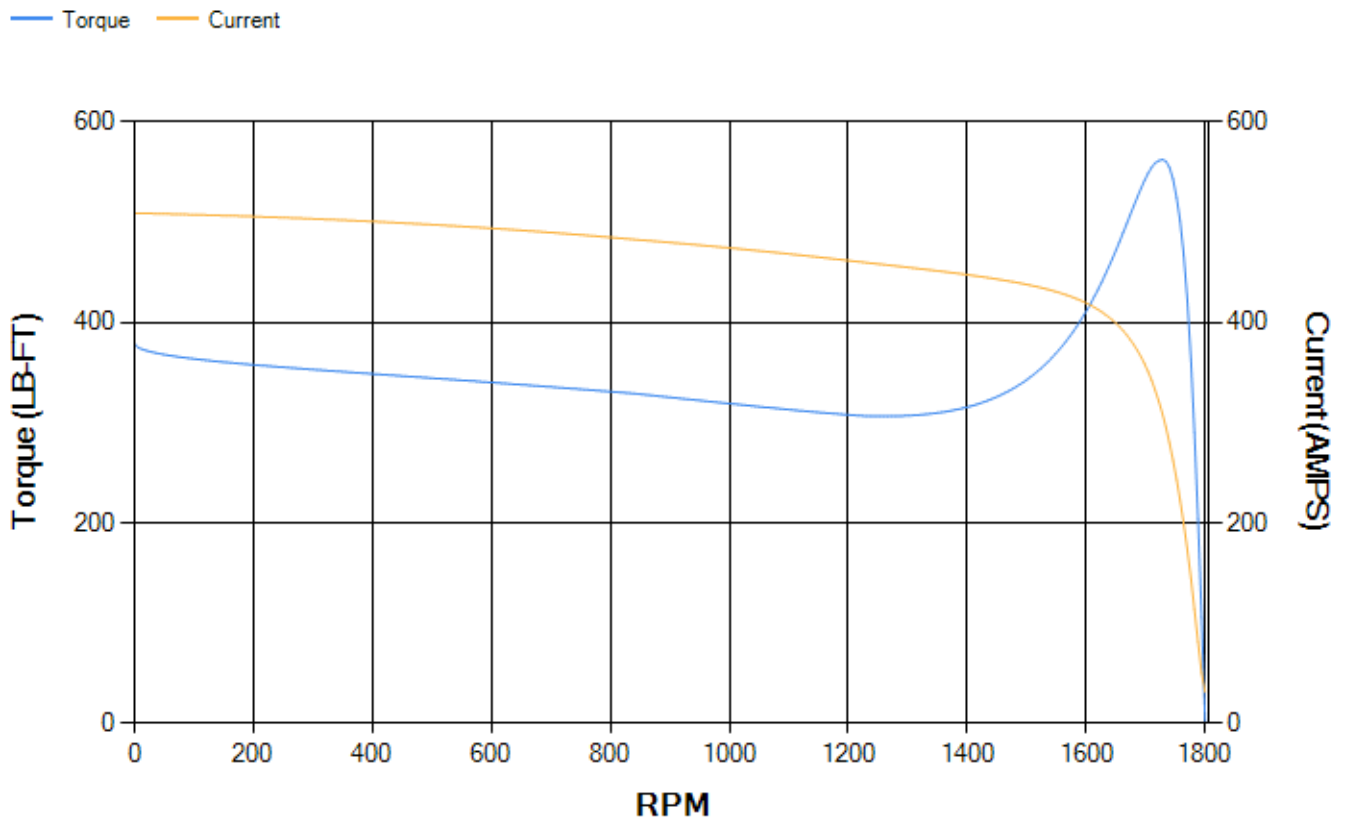
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.46	94.7	95.19	95.24	94.89	92.4	0.00
% PF	86	85.67	84.7	81.08	72.28	50.36	3.76
AMPS	108.01	99.5	86.86	68.17	51.18	37.71	31.15

TORQ(FL)#FT 221.09      TORQ(LR)%FL 171.4      TORQ(BD)%FL 253.8  
 AMPS(LR) 509.22      PF AT START 0.32

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1410 Lb-Ft Sq (59.36 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 30 seconds. Safe stall time at 100% voltage is 71 seconds cold, 36 seconds hot. Rotor inertia is 16.14 Lb-Ft Sq (0.68 Kg-meter Sq).

Open Circuit A-C: 0.678      Short Circuit D-C: 0.026  
 Short Circuit A-C: 0.034      X/R Ratio: 9.808  
 Stator Slots: 60      Rotor Slots: 50

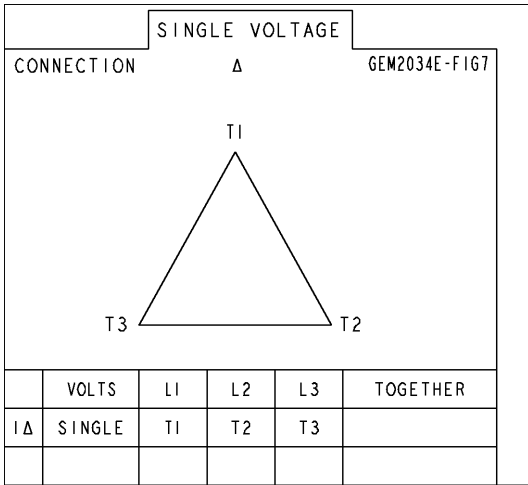
**Speed Torque Current Curve (First Connection, First Speed)**



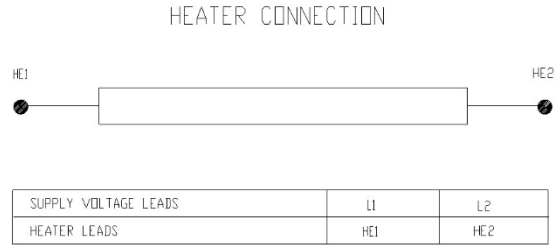


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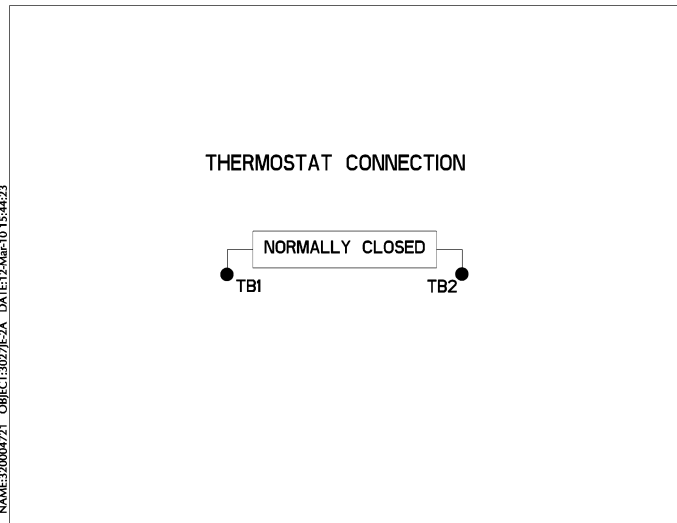
**Connection Diagram**  
**GEM2034E-FIG7**



**Heater Connection**  
**3027JE-1C**



**Thermostat Connection**  
**3027JE-2A**



NAME:320004721 OBJECT:3027JE-2A DATE:12-Mar-10 15:44:23



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E8258AA1	115E8259LA1
Bearing	235A2517AA01	235A2523AD01
Slinger/Inproseal	235A2300FM1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	153B1888G02
Fan Cover	128D6844AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

