



GE INDUSTRIAL MOTORS
a **WOLONG** company

Thursday, September 26, 2019

Technical Data Center
3050 post Oak Blvd.,
Suite 630, Houston,
TX 77056
Phone: +1 877-450-6026

Customer: **BAKER HUGHES**
844 NW LOWRY RD
CLAREMORE, OK 74017-309

DataPack Document, Version: v19095272.01

Inside Sales Representative:

Inside Sales Rep Phone:

Model Number: 5KS364SAA1046

Sales Order No: 2000001685

Order Line No: 1

Instruction Manual: GEI-56128

Connection Diagram: GEM2034E-FIG7

Alternate Phone: 260-439-2000

Customer Order No: 5857C02

Customer Item No:

Customer Part No: NOCAT360MH

Outline Drawing: 239C6200AB

Accessory Connection Diagrams

Bearing Thermocouple: None

RTD: None

Thermostat: None

Bearing RTD: None

Heater: 3027JE-1C

Thermistor: None

Winding Thermocouple: None

Revision History

<u>Version</u>	<u>Date</u>	<u>Comments</u>
v19095272.01	09-26-2019	Original Version

Distribution Information

<u>Quantity</u>	<u>Recipient</u>
1	Curtis Kinsey CURTIS.KINSEY@BHGE.COM E-Mail Distribution

<u>Quantity</u>	<u>Recipient</u>
1	John Asher JOHN.ASHER@GEIM.WOLONG.COM E-Mail Distribution

1	Arun Madugula ARUN.MADUGULA@GEIM.WOLONG.COM E-Mail Distribution
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Customer Order / Item:	5857C02	Sales Order No:	2000001685
Customer Part:	NOCAT360MH	Order Line No:	1
MODEL NUMBER: 5KS364SAA1046		Estimated Weight:	970 Lbs
Outline Drawing:	239C6200AB	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	36BD0117A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	364TS	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	94.5%
Output Power:	60HP 44.7KW	Guaranteed Efficiency:	94.1%
RPM:	3575	KVA Code:	G
Voltage:	460	Max KVAR:	19.3
Hertz:	60	Power Factor:	84.5
Amps - FL:	70.3	Bearing - DE:	6314ZC3
Service Factor:	1.15	Bearing - ODE:	6314ZC3
Alt Service Factor:	--		

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

TEMP CONT HTR LDS HE1-HE2 115V 70W
MAX SPACE HEATER SURFACE TEMPERATURE 160 DEG C
STAMP NP249A5564P051 AS BELOW:
MODEL:5KS364SAA1046 S/N: XXX
CSA CERTIFIED CSA09.2216219 FOR EX NA IIC 200 C GC
CL 1 ZONE2 AEX NA IIC 200C;CL 1 DIV2 GRP ABCD 200C
IN -40C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
SURF TEMP 200C AT 1.15SF ON SINE-WAVE PWR
OR 200C VT OR 230C CT OR --C CHP PWM CONTROL
ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
VT 0 - 60 HZ, CT 3-60 HZ, CHP -- HZ.

Additional Information:

2P - TS EXTN
C/BOX 346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS



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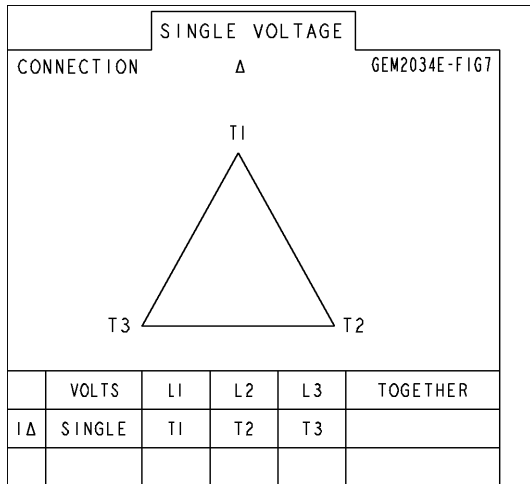
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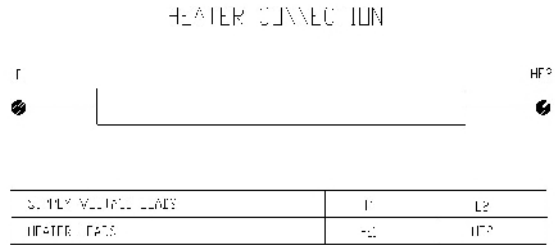
115V TSTAT CTRLD HTR LDS TO MAIN CONDUIT BOX
F1 MOUNTING

Diagrams for Model: 5KS364SAA1046

**Connection Diagram
GEM2034E-FIG7**



**Heater Connection
3027JE-1C**



Performance Characteristics

1st Winding 1st Connection

Design: 36BD0117A

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.25	94.42	94.50	94.60	93.84	90.36	0.00
% PF	86.30	85.82	84.50	80.48	71.02	48.83	4.73
AMPS	86.31	79.70	70.30	55.32	42.13	31.82	26.86

TORQ(FL)#FT 88.11 TORQ(LR)%FL 149.69 TORQ(BD)%FL 273.92
 AMPS(LR) 437.05 PF AT START 0.30

This motor is capable of two cold or one hot start with a maximum connected load inertia of 159.0 Lb-Ft Sq (6.7 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 22 seconds. Safe stall time at 100% voltage is 46 seconds cold, 26 seconds hot. Rotor inertia is 7.03 Lb-Ft Sq (0.296 Kg-meter Sq).

Open Circuit A-C: 0.956 Short Circuit D-C: 0.023
 Short Circuit A-C: 0.055 X/R Ratio: 8.805
 Stator Slots: 48 Rotor Slots: 38

