



Motors

Wednesday, April 25, 2012

Technical Data Center
PO Box 2204
Fort Wayne, IN 46801-2204

CE PRINTS FOR APPROVAL PACKAGE

Return 'For Approval' prints to the GE Field Sales Engineer or Customer Care Contact. The order is on hold until prints are approved and returned. When approved prints are received by GE, current leadtimes will apply.

Approved by: _____ Date: _____

Customer Order / Item:	PM294905	Sales Order No:	5200009630
Customer Part:	None	Order Line No:	13.1

MODEL NUMBER:	5KS364SAA177	Estimated Weight:	454.55 Kg
Outline Drawing:	239C6201DD	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG109	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	36BD0047A	Ambient Max(°C):	40
Type:	KS	Insulation Class:	H
Frame:	364TSC	NEMA Design:	B
Phases:	3	Nominal Efficiency:	95.0%
Poles:	2	Guaranteed Efficiency:	94.5%
Output Power:	60HP 44.7KW	3/4 Load Efficiency:	94.9%
RPM:	3570	KVA Code:	G
Voltage:	230/460	Max KVAR:	17.4
Hertz:	60	Power Factor:	85.5
Amps - FL:	138.2/69.1	Bearing - DE:	6213ZC3
Service Factor:	1.15	Bearing - ODE:	6213ZC3
Alt Service Factor:	--		

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

ALTERNATE RATING FOR PWM CONTROL: 1.0SF 40C AMB
 INVERTER DUTY CONSTANT TORQUE RANGE:15-60HZ
 ROT CW FACING ODE LEAD/PH SEQ U-V-W/U-V-W
 THERMOSTAT LEADS PC-PC TRIP
 STAMP NP235A3521AA AS FOLLOWS
 KW 44.7 ; DUTY S1 ; IC411 ; IP55 ; IMB34
 MASS 454 KG ; MIN AMB -15 DEG C ; MAX ALT 1000 M
 MFG YEAR XXXX; GE ORDER# XXXXXXXXXX
 NOTE TO MFG: STAMP NP WITH CURRENT YEAR
 NOTE TO MFG: STAMP NP WITH GE ORDER#
 EN60034-1,5,6,7,8,9
 IP 55

Additional Information:
2P - TS EXTN



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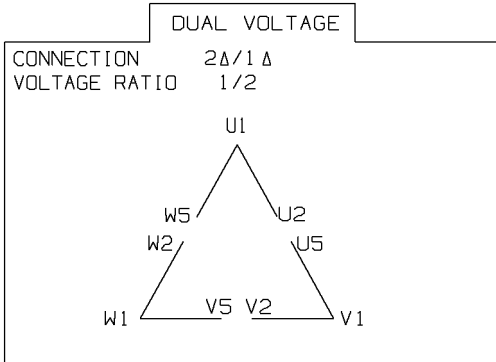
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Approved by: _____ Date: _____

C FACE WITH 12.50 RABBIT ON DE
346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
3.N.C. TRIP TSTAT LDS TO MAIN CONDUIT BOX
F1 MOUNTING
CE MARK MOTOR
NOTES TO MANUFACTURING:
STAMP EXTRA MAIN NAME PLATE NP249A5563P001 AS PER MODEL
5KS364SAA178 AND PLACE EXTRA NAMEPLATE ON FAN COVER
THOMAS & BETTS TERMINALS ON LEADS
UTDR FOR 5KS364LAA131 EXCEPT BUILT IN ULTRA

Diagrams for Model: 5KS364SAA177

**Connection Diagram
GEM2034E-FIG109**



	VOLTS	L1	L2	L3	TOGETHER
2Δ	LOW	U1-W2 U5	V1-U2 V5	W1-V2 W5	
1Δ	HIGH	U1	V1	W1	U2-U5, V2-V5, W2-W5

Performance Characteristics

1st Winding 1st Connection

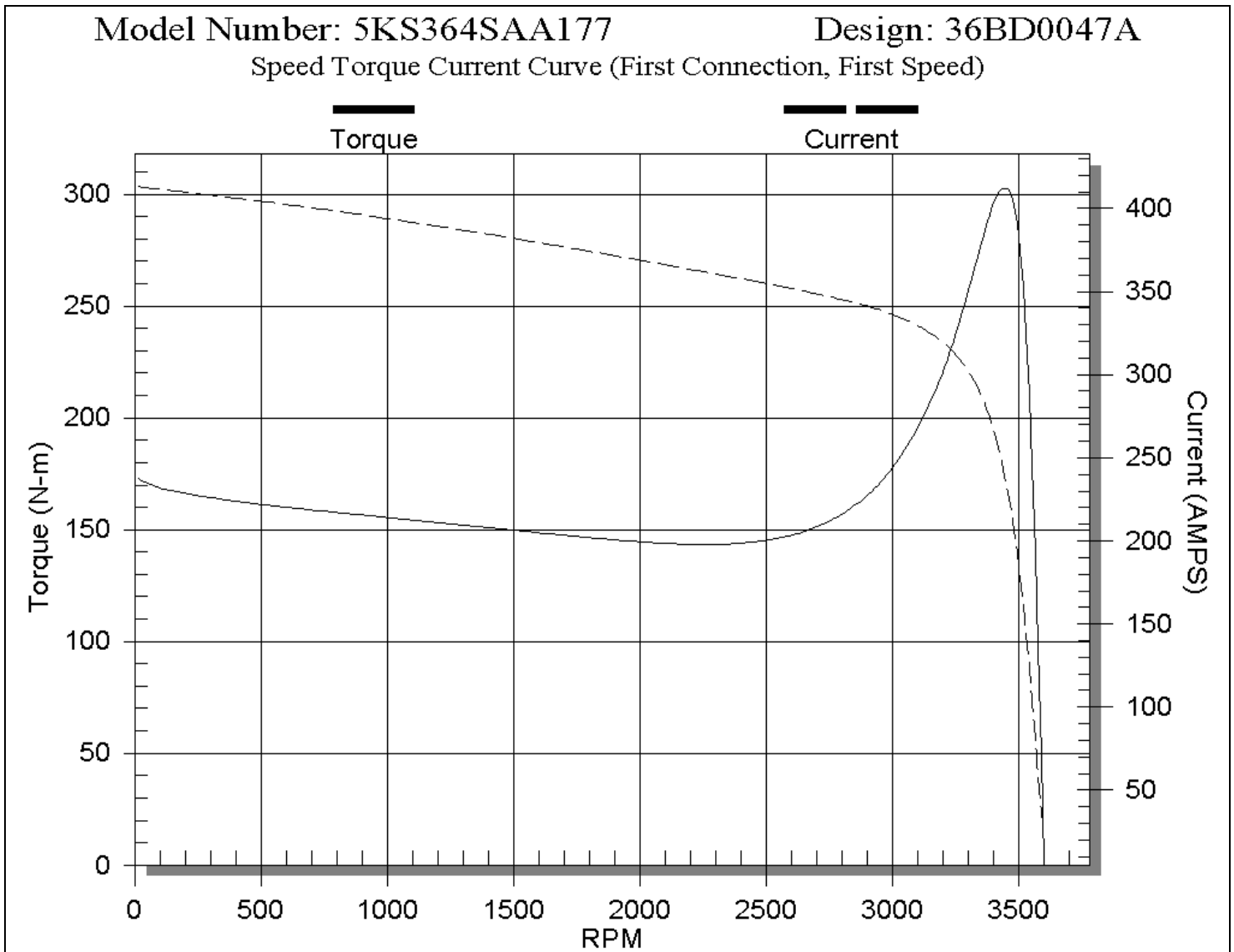
Design: 36BD0047A

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.69	94.83	95.00	94.88	94.05	90.51	0.00
% PF	86.72	86.41	85.50	82.08	73.66	52.30	5.44
AMPS	85.49	78.81	69.10	54.08	40.53	29.66	24.33

TORQ(FL)N-m 119.69 **TORQ(LR)%FL** 146.37 **TORQ(BD)%FL** 252.50
AMPS(LR) 413.14 **PF AT START** 0.25

This motor is capable of two cold or one hot start with a maximum connected load inertia of 295.0 Lb-Ft Sq (12.4 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 38 seconds. Safe stall time at 100% voltage is 64 seconds cold, 52 seconds hot. Rotor inertia is 6.73 Lb-Ft Sq (0.284 Kg-meter Sq).

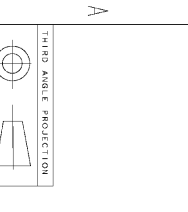
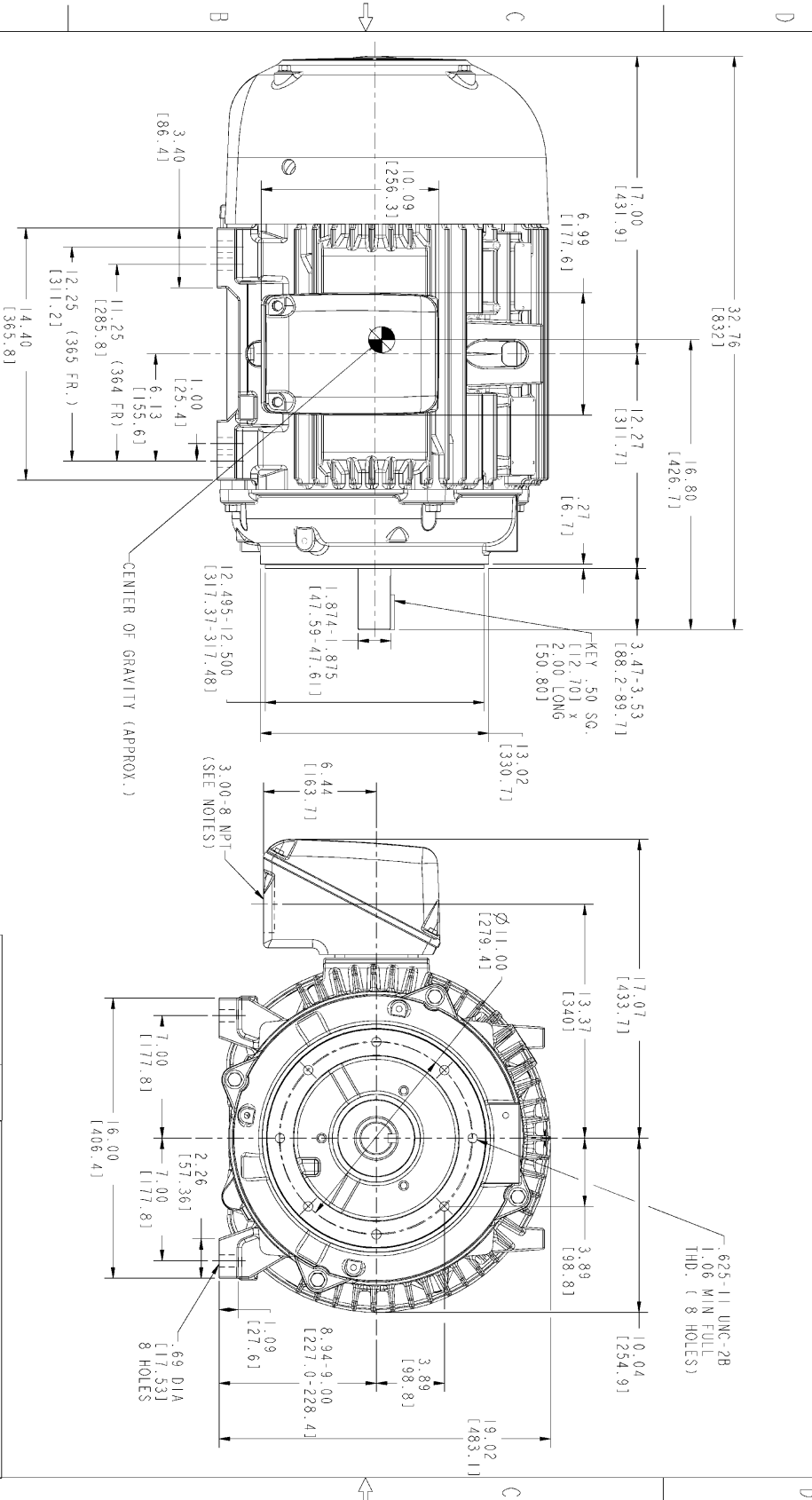
Open Circuit A-C: 0.821 **Short Circuit D-C:** 0.036
Short Circuit A-C: 0.047 **X/R Ratio:** 13.719
Stator Slots: 48 **Rotor Slots:** 38



14 13 12

REV	DESCR	DATE	APPROVED
1	"1P44" CHANGED TO "1P55"	08/19/11	TJ19ATI

239C620IDD 1



- NOTES:
- CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
 - F-1 ASM AS SHOWN.
 - F-2 ASM-HAS CONDUIT BOX ON OPPOSITE SIDE.
 - BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).
 - IC411, 1P55, 1M34
 - TOTAL MASS OF THE MOTOR = 454 kg

SIGNATURES	DATE
WDC	01/01/09
DETAIL	01/01/09
CHECKED	01/01/09
DESIGNED	01/01/09
QC	
ISSUED	01/01/09

SCALE: 0.100

GENERAL ELECTRIC COMPANY

OUTLINE

364/365 TSC TFC XSD

346 CU IN CONDUIT BOX, CE MARK

239C620IDD

SHEET 1 OF 1



Manufacturer's Declaration of Conformity

Manufacturer's Name and Address:

GE Motors
General Electric Company
1030 Swinney Avenue
Fort Wayne, IN 46802

We declare, under our sole responsibility, products identified in this declaration are in conformity with the essential requirements of Council Directives listed below:

The electrical apparatus for which this declaration is issued, GE Motor Model number **5KS364SAA177**, manufactured in the year **2012** is in conformity with the instructions of (2006/95/EC) Low Voltage. The conformity with the instructions of this directive is provided by compliance with the essential health and safety requirements of the following European standards:

EN60034-1: 2006-06 Rotating Electrical Machines - Part 1: Rating and Performance
EN60034-5: 2007-01 Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP Code) - Classification.
EN60034-6: 1994 Rotating electrical machines- Part 6: Methods of cooling (IC Code)
EN60034-7: 1993 Rotating electrical machines - Part 7: Classification of types of constructions, mounting arrangements and terminal box position (IM Code) (Amended to A1: 2000)
EN60034-9: 2005 Rotating electrical machines - Part 9: Noise limits (Amended to A1: 2007)

The Technical Construction File is maintained on behalf of the manufacturer by:

Name: Alessandro Venturi
Title: Region Manager Europe, Middle East, Africa
Address: General Electric International
Via Roberto Lepetit 8/10
20124 Milano, Italy
Phone/Email: +39 0267335705 / alex.venturi3@ge.com

The Responsible Person, based within the European Community is:

Name: Alessandro Venturi
Title: Region Manager Europe, Middle East, Africa
Address: General Electric International
Via Roberto Lepetit 8/10
20124 Milano, Italy
Phone/Email: +39 0267335705 / alex.venturi3@ge.com

The Authorized Signatory to this declaration, on behalf of the manufacturer, is:

Name: Pat Morello
Title: General Manager, Motors and Controls
Address: General Electric Company
1635 Broadway

Fort Wayne, IN 46801 USA
Phone /Email: 260-402-0937 / Pat.morello@ge.com

