GE
Power Conversion

Product Information Packet

May 26, 2017

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

Model Number:	**5KAF365SAA224B**
Catalog Number:	**M9315**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	239C7200AA

Accessory Connection Diagrams

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

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imagination at work

Marks:

MODEL NUMBER:	5KAF365SAA224B		
Outline Drawing:	239C7200AA	Service Factor:	1.00
Connection Diagram:	GEM2034E-FIG9	Alt Service Factor:	1.00
Instruction Book:	GEI-56128	ASD Type:	
Design Code:	36BD1125A	Time Rating:	CONT
Type:	KAF	Enclosure:	TEBC
Frame:	365T	Encl Construction:	A$D
Phases:	3	Ambient Max (°C):	40
Poles:	4	Alt Ambient Max(°C):	65
Output Power:	75HP 55.5KW	Insulation Class:	H
Output Power (2):		NEMA Design:	--
Output Power (3):		Nominal Efficiency:	95.4 %
RPM:	1790	Guaranteed Efficiency:	94.5 %
RPM (2):		3/4 Load Efficiency:	95.7 %
RPM (3):		KVA Code:	L
Voltage:	230/460	Max KVAR:	35.0
Voltage (2):		Power Factor:	78.5
Voltage (3):		Service Factor SINE:	
Hertz:	60	Service Factor ASD:	
Hertz – 2:		Min Supply Wires:	75 C
Hertz – 3:		IP:	55
Amps – FL:	187.4/93.7	Vibration Limit:	--
Amps – FL- 2:		Bearing Lubrication:	MOBIL POLYREX EM
Amps - FL- 3:		Bearing - DE:	6314ZC3
Speed Range RPM:	-	Bearing - ODE:	6314ZC3
Const HP RPM:	-	Estimated Weight:	1030 Lbs

Stamped Nameplate Notes:
ALTERNATE RATING INVERTER DUTY 1.0 SF 40C AMBIENT
SUITABLE FOR CONSTANT TORQUE;PWM OPERATION;0-60HZ
THERMOSTAT LEADS PC-PC TRIP

Additional Information:

4P - T EXTN
346 CU IN - 3.00" NPT
E/S GROUND BOLT MTD ON DE C/BOX SIDE NEAR FOOT
OIL RESISTANT SLEEVING ON LEADS
TACH PROVISION MOTOR
N.C. TRIP TSTAT LDS TO MAIN CONDUIT BOX
PAINTED ODE ACCESSORY RABBET
SHAFT GROUND RING #235A4970AG6 MOUNTED ON
DE BEARING CAP

BLOWER MOTOR 208-230/460V,1.2/0.6AMPS,1/3HP
BLOWER MOTOR 60HZ,RPM 3450

Performance Characteristics 1st Winding 1st Connection **Design: 36BD1125A**

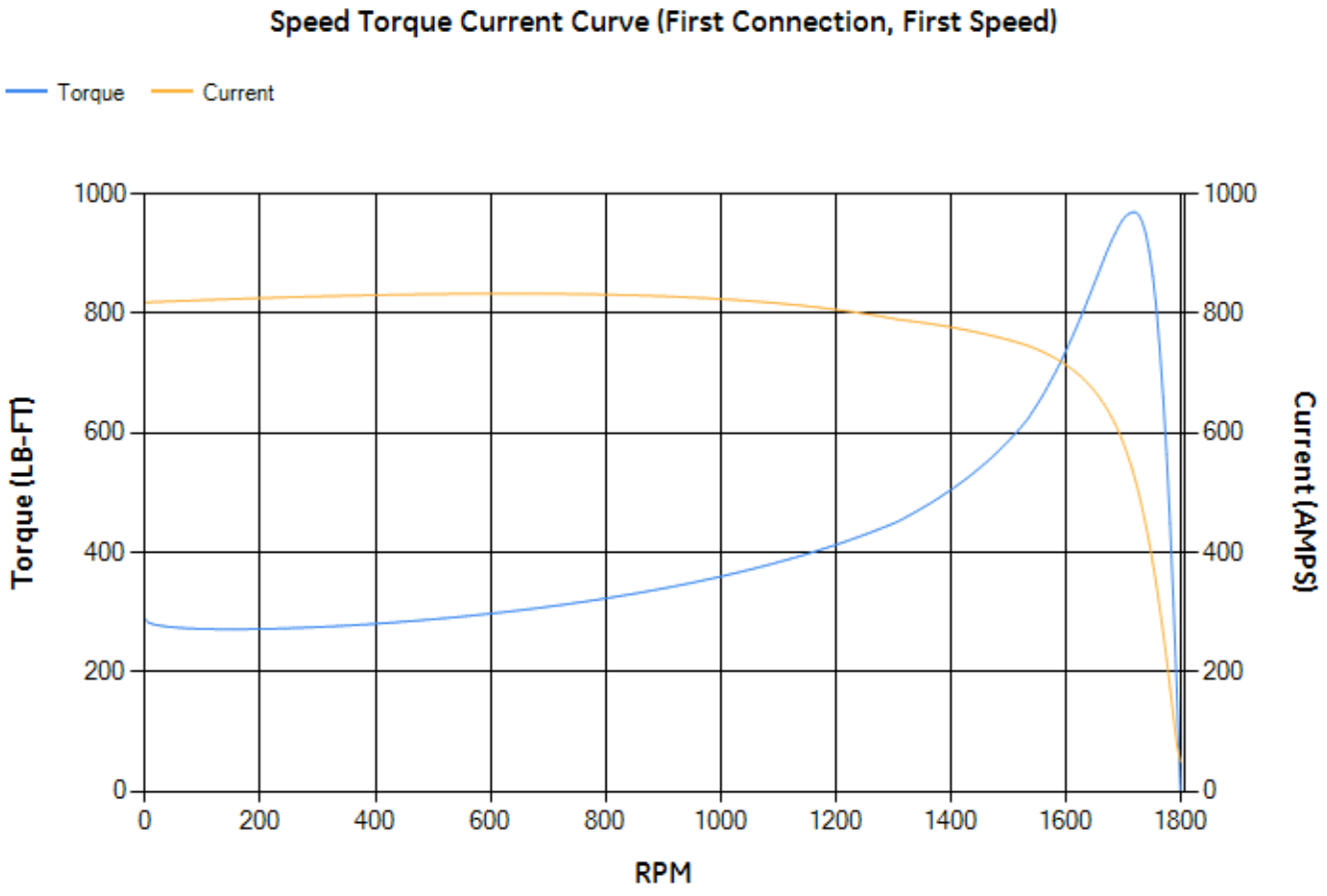
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.5	95.61	95.91	95.66	95.01	92.09	0.00
% PF	82.56	81.19	78.46	71.25	58.28	35.7	2.5
AMPS	111.29	104	93.09	77.24	63.39	53.37	48.8

TORQ(FL)#FT	220.34	**TORQ(LR)%FL**	130.64	**TORQ(BD)%FL**	438.72
AMPS(LR)	818.41	**PF AT START**	0.21		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1488 Lb-Ft Sq (62.64 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 26 seconds. Safe stall time at 100% voltage is 105 seconds cold, 44 seconds hot. Rotor inertia is 15.79 Lb-Ft Sq (0.66 Kg-meter Sq).

Open Circuit A-C:	0.609	**Short Circuit D-C:**	0.021
Short Circuit A-C:	0.031	**X/R Ratio:**	7.842
Stator Slots:	60	**Rotor Slots:**	50



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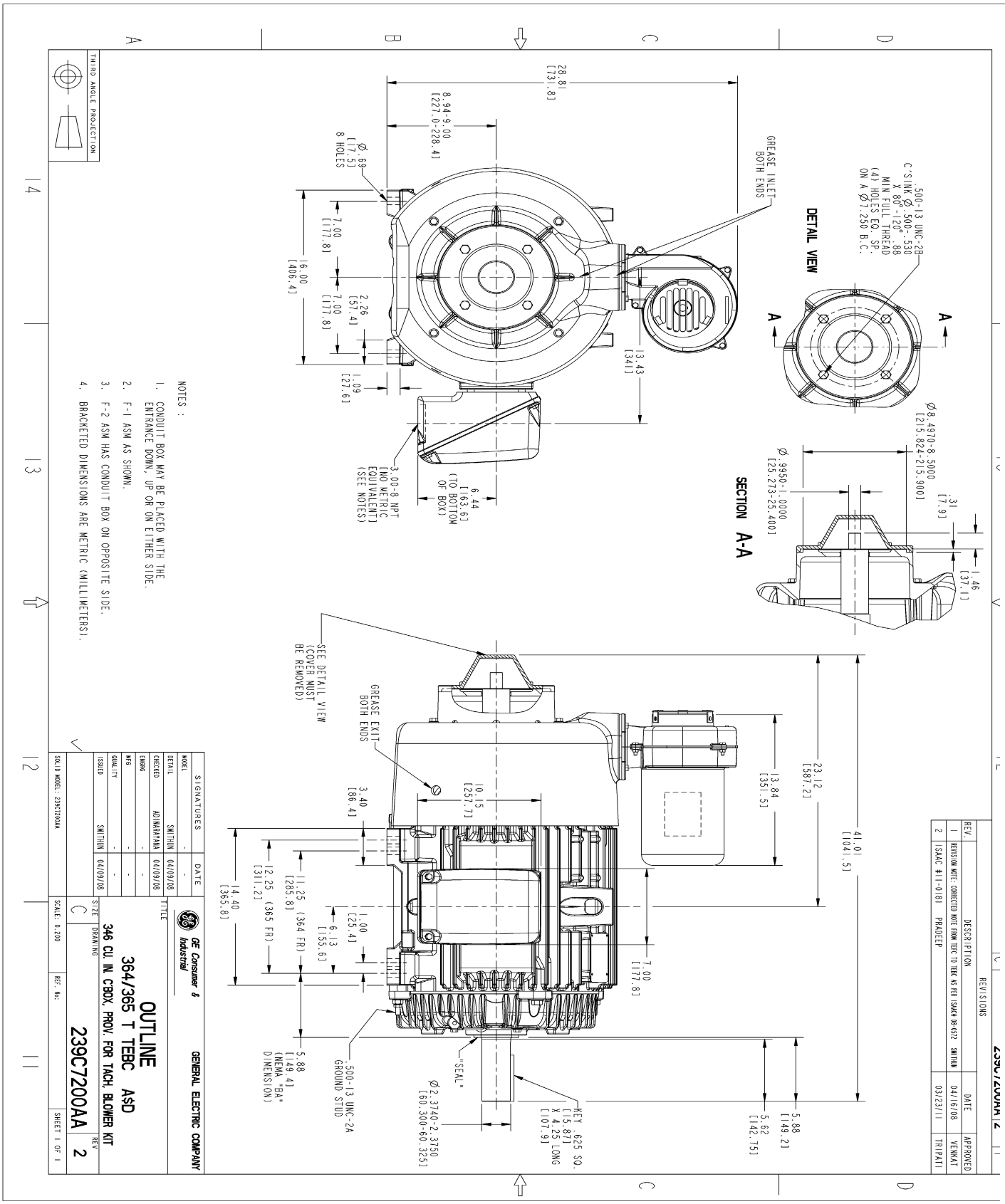


NOTES :

1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN.
3. F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).

THIRD ANGLE PROJECTION

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	REVISION NOTE: CORRECTED NOTE FROM TEFC TO TEBC AS PER ISAAC# 08-6372 SMITHUN	04/16/08	VENKAT
2	ISAAC #11-0181 PRADEEP	03/23/11	TRIPATI

SIGNATURES		
MODEL	-	DATE
DETAIL	SMITHUN	04/09/08
CHECKED	ADINARAYANA	04/09/08
ENGRG	-	-
MFG	-	-
QUALITY	-	-
ISSUED	SMITHUN	04/09/08

SOLID MODEL: 239C7200AA

GE Consumer & Industrial — GENERAL ELECTRIC COMPANY

TITLE

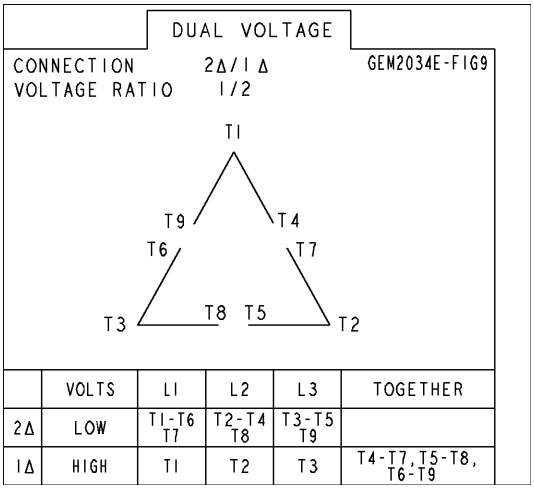
OUTLINE
364/365 T TEBC A&D
346 CU IN CBOX, PROV. FOR TACH, BLOWER KIT

SIZE	DRAWING	REV
C	239C7200AA	2

SCALE: 0.200 | REF No: | SHEET 1 OF 1

Connection Diagram

GEM2034E-FIG9



	VOLTS	L1	L2	L3	TOGETHER
2Δ	LOW	T1-T6 T7	T2-T4 T8	T3-T5 T9	
1Δ	HIGH	T1	T2	T3	T4-T7, T5-T8, T6-T9