

Product Information Packet

November 9, 2016

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

Model Number:	5KS284STE204A
Catalog Number:	M7532
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	358B6273AA

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:

<u>MODEL NUMBER:</u>	5KS284STE204A	Estimated Weight:	473 Lbs
Outline Drawing:	358B6273AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-M1031	Encl Construction:	SD
Design Code:	28AD1017B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	284T	Insulation Class:	F
Phases:	3	NEMA Design:	B
Poles:	4	Nominal Efficiency:	93.6 %
Output Power:	25HP 18.5KW	Guaranteed Efficiency:	92.4
RPM:	1775	3/4 Load Efficiency:	94.4
Voltage:	575	KVA Code:	G
Hertz:	60	Max KVAR:	6.5
Amps - FL:	23.8	Power Factor:	84.0
Service Factor:	1.15	Bearing - DE:	6310ZZ
Alt Service Factor:	--	Bearing - ODE:	6210ZZ

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:**Additional Information:**

4 POLE, TEFC, LRA: 135.5 AMPS
 SOUND POWER : 88 DBA
 GREASE: SHELL ALVANIA R3 LITHIUM GREASE
 NO. OF MOTOR LEADS: 3
 CONDUIT BOX VOLUME (CU IN): 272.9
 CONDUIT BOX MATERIAL: CAST IRON
 SUITABLE FOR USE IN CLASS I DIVISION 2 LOCATIONS
 CLASS I DIVISION 2 GROUPS A,B,C,D T3C
 CLASS I ZONE 2 IIC T3C

Performance Characteristics

1st Winding 1st Connection

Design: 28AD1017B**Marks:**

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.02	93.42	94.1	94.37	94.13	91.51	0.00
% PF	84.4	84.58	84.36	82.16	75.38	55.81	5.25
AMPS	29.8	27.24	23.58	18.11	13.19	9.16	7.04

TORQ(FL)#FT 74.07
AMPS(LR) 141.82

TORQ(LR)%FL 219.01
PF AT START 0.38

TORQ(BD)%FL 232.48

This motor is capable of two cold or one hot start with a maximum connected load inertia of 915 Lb-Ft Sq (38.52 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 48 seconds. Safe stall time at 100% voltage is 82 seconds cold, 61 seconds hot. Rotor inertia is 4.52 Lb-Ft Sq (0.19 Kg-meter Sq).

Open Circuit A-C: 0.58

Short Circuit D-C: 0.022

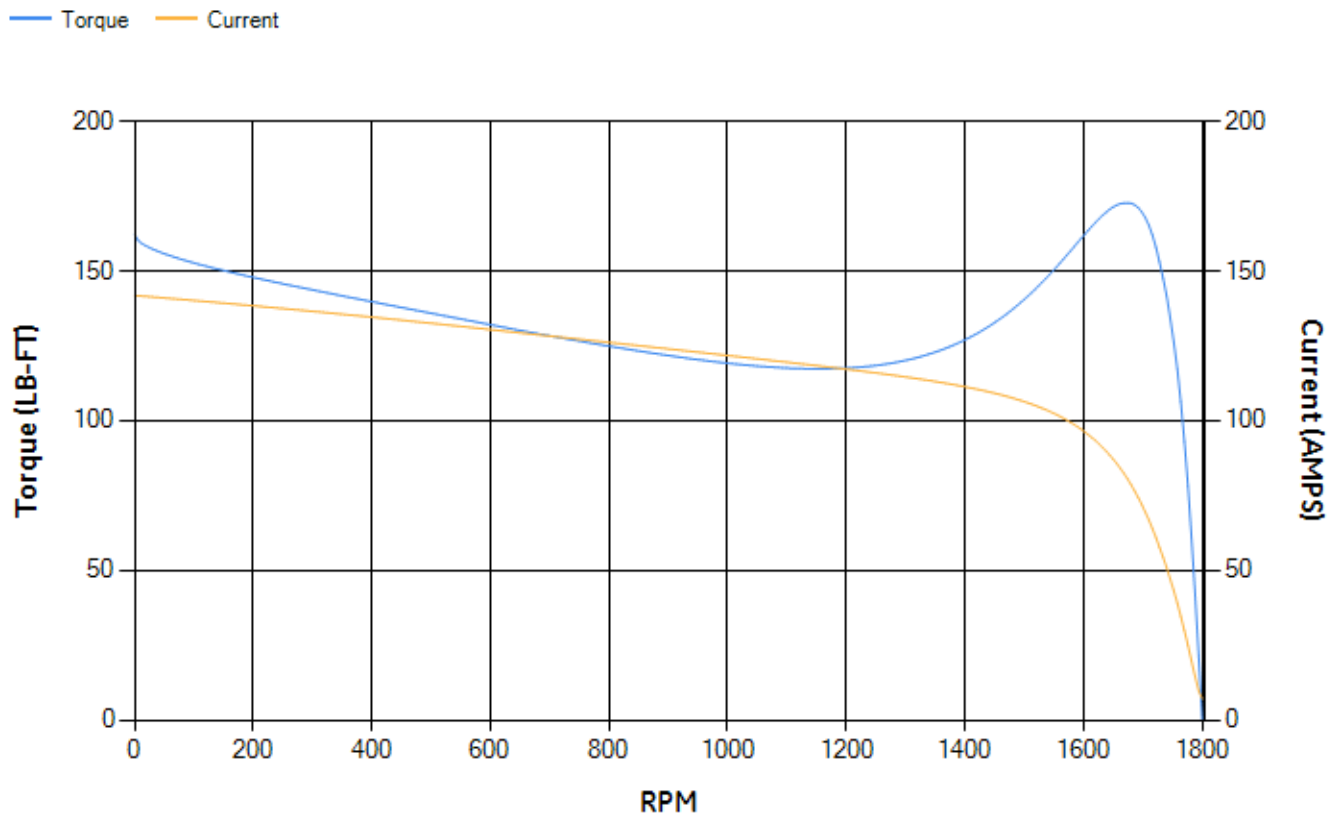
Short Circuit A-C: 0.025

X/R Ratio: 8.175

Stator Slots: 48

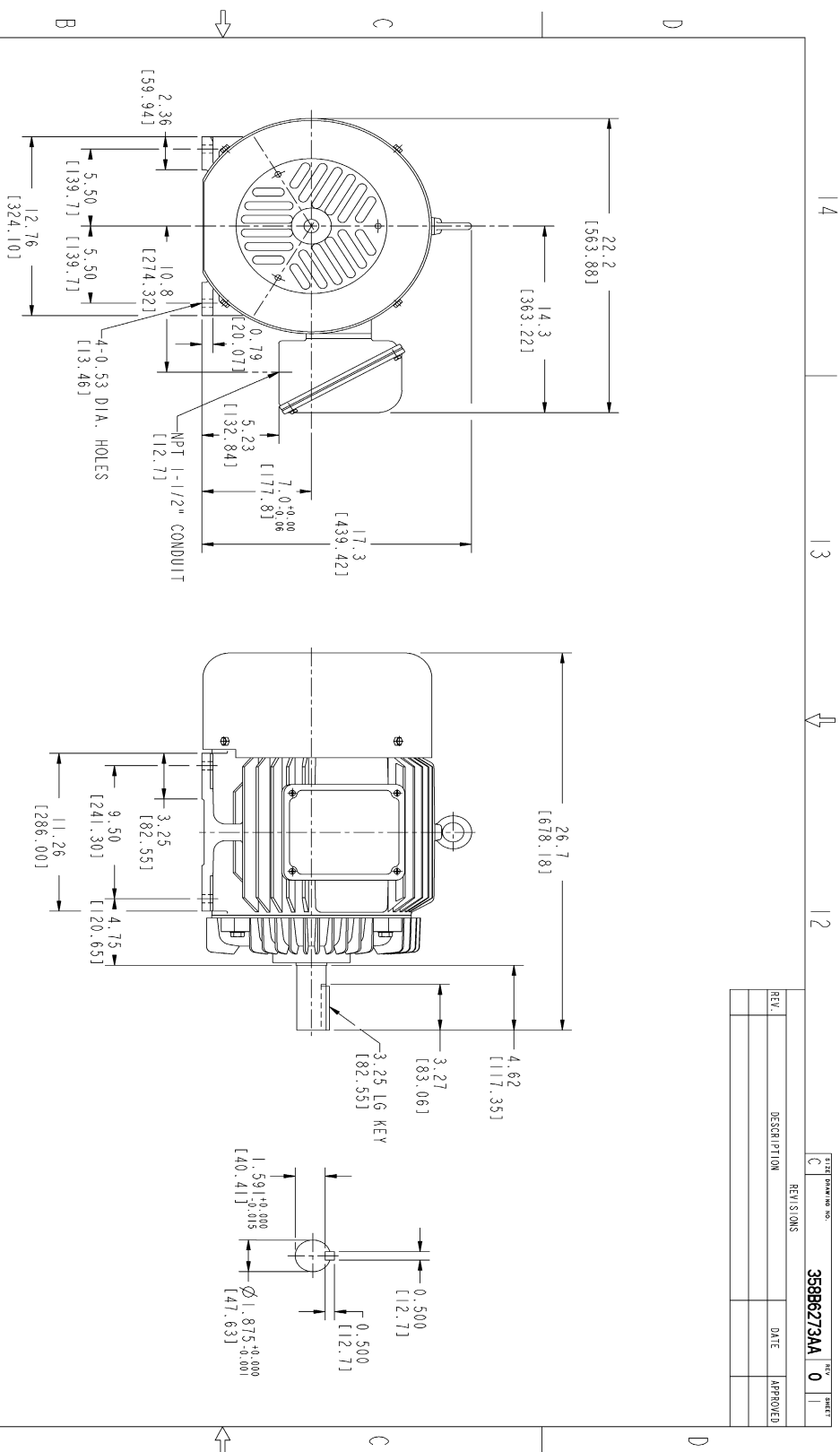
Rotor Slots: 40

Speed Torque Current Curve (First Connection, First Speed)



NAME:501291659 OBJECT:358B6273AA DATE:05-Dec-07 10:27:59

Marks:



NOTES :

1. DIMENSIONS ARE IN INCHES.
2. F-1 ASW AS SHOWN.
3. F-2 ASW - HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS)
5. IC411, IP54, IMB34 APPLY

THIRD ANGLE PROJECTION

Part must conform to SI 9000
Sect. 4, Toxicity Procedure

DRAWING NO.		REV. 0		SHEET 1	
C		358B6273AA			
REV. 1015					
REV.	DESCRIPTION	DATE	APPROVED		

FOR ADDITIONAL INFO REFER TO:		SIGNATURES		DATE	
PARTS		 GE Consumer & Industrial		GENERAL ELECTRIC COMPANY	
QUANTITIES OF EACH SPECIFIED					
DIMENSIONS, ALL IN INCHES		TITLE		REV	
TOLERANCES ON DIMENSIONS		SHEET NO.		OF SHEETS	
1. ALL DIMENSIONS ±		DRAWN BY		CHECKED BY	
2. ALL DIMENSIONS ±		DATE		DATE	
3. ALL DIMENSIONS ±		BY		BY	
4. ANGLES ±		SHEET NO.		OF SHEETS	
FRACTIONS ±		SHEET NO.		OF SHEETS	
1/16		SHEET NO.		OF SHEETS	
1/32		SHEET NO.		OF SHEETS	
1/64		SHEET NO.		OF SHEETS	
1/128		SHEET NO.		OF SHEETS	
1/256		SHEET NO.		OF SHEETS	
1/512		SHEET NO.		OF SHEETS	
1/1024		SHEET NO.		OF SHEETS	
1/2048		SHEET NO.		OF SHEETS	
1/4096		SHEET NO.		OF SHEETS	
1/8192		SHEET NO.		OF SHEETS	
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OUTLINE
FTD - 284T TEFC CE MARK
272.9 CU IN CONDUIT BOX

358B6273AA	0
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SCALE:

SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7

