

Product Information Packet

April 30, 2019

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

Model Number:	5KS284CWL205
Catalog Number:	E528
Instruction Manual:	GEI-M1049
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	358B6504AA

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	3027JE-2A	Winding Thermocouple:	None
Bearing RTD:	None		

Table of Contents	
Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04

Marks:

MODEL NUMBER:	5KS284CWL205	Estimated Weight:	583 Lbs
Outline Drawing:	358B6504AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	TEFC
Instruction Book:	GEI-M1049	Encl Construction:	XP
Design Code:	NA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	55
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:	1780	3/4 Load Efficiency:	93.6 %
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	7.1
Amps - FL:	57/28.5	Power Factor:	87.5%
Service Factor:	1.15	Bearing - DE:	6310-C3
Alt Service Factor:	1.0	Bearing - ODE:	6310-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:Additional Information:

THERMOSTAT FOR: TRIP 145+/-5 DEG C
 THERMOSTAT LEADS: 3 NC TO TERMINATE IN MAIN CB
 ROTATION:CCW VIEWED FROM ODE
 CLASS /GAS GROUP:CL I GR C and D, CLASS II GR F and G
 CBOX SIZE:291 CU INCH
 INVERTER DUTY PER NEMA MG1 PART 31
 INVERTER RATED PWM 10:1 VARIABLE TORQUE, 5:1 CONSTANT TORQUE, 1.0 SF
 UL CERTIFICATION SUITABLE FOR INSTALLATION IN –
 - THE UNITED STATES, NIGERIA AND KUWAIT

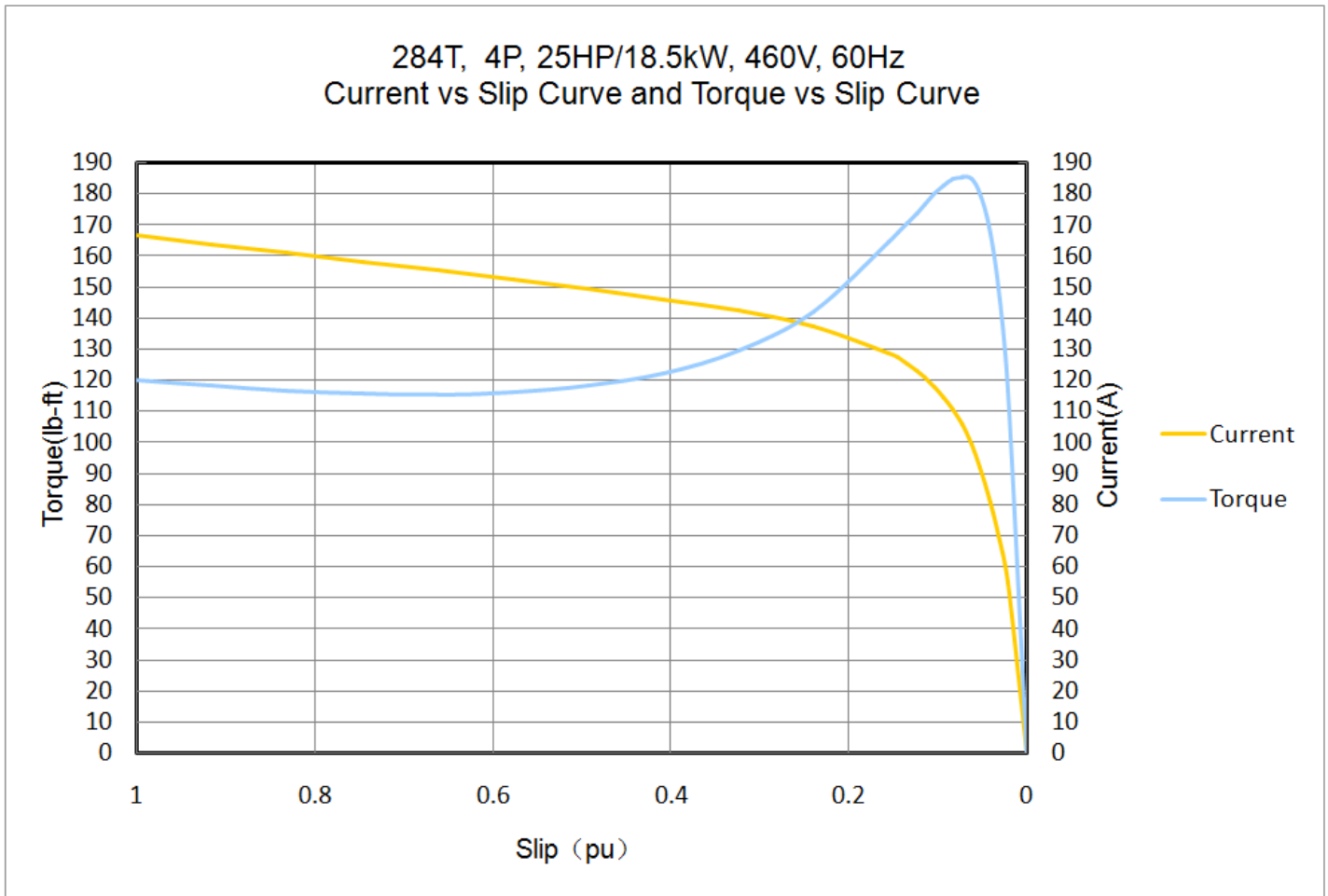
Performance Characteristic:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.27	93.52	93.60	93.60	94.03	92.27	0.00
% PF	90.4	90.5	87.5	84.0	83.1	64.5	22.7
AMPS(460V)	34.38	31.52	28.5	20.87	14.90	9.79	3.86

TORQUE(FL) LB-FT 74.17 TORQUE(LR)%FL 162.0 TORQUE(BD)%FL 250.0
 AMPS(LR 460V) 166.8 PF AT START 0.31%

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	5.7(0.24)
Max load inertia: Lb-Ft ² (Kg-m ²):	122(5.1)
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	5
Safe stall time (sec): Cold/Hot	75/35



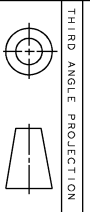
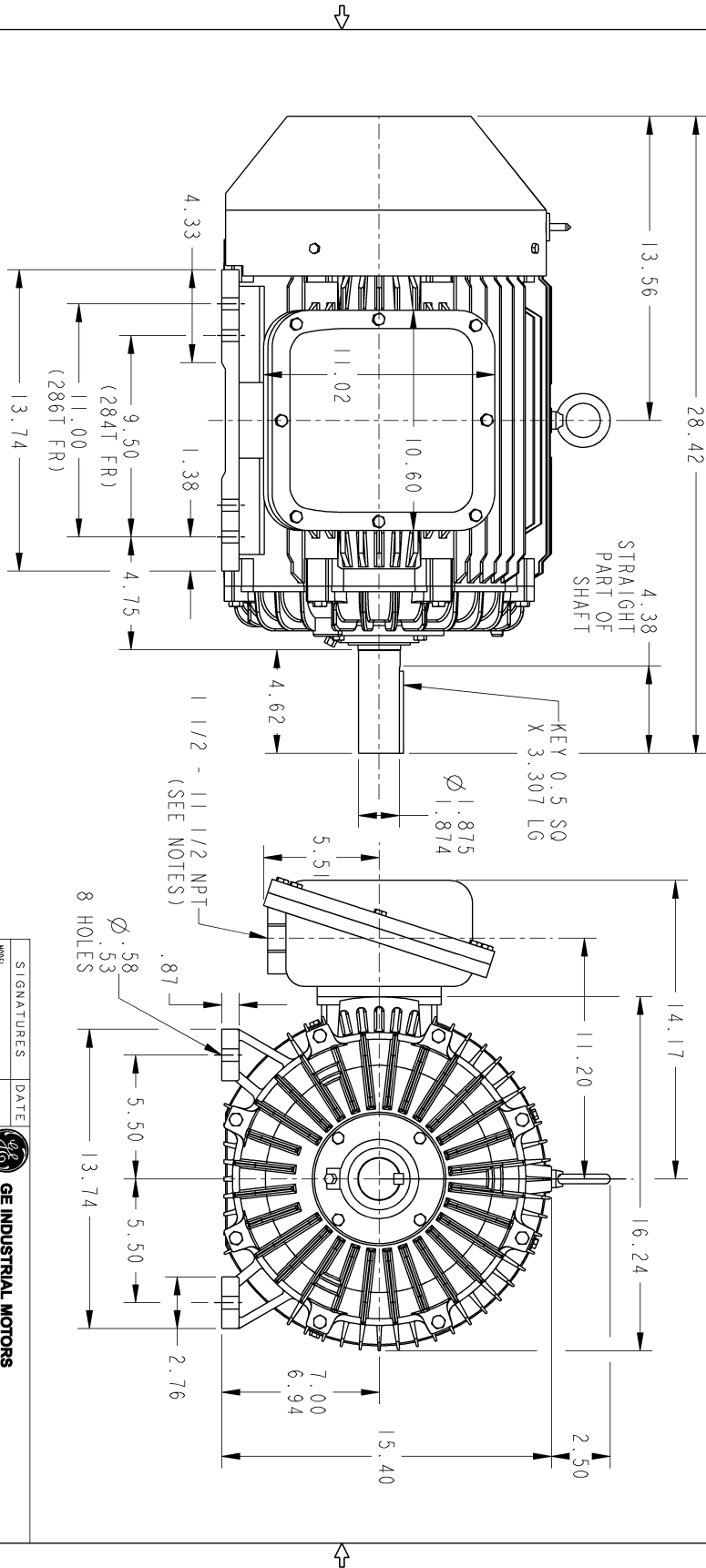
Marks:

- NOTES:
1. CONDUIT BOX IS SUITABLE FOR UP, DOWN OR EITHER SIDE ENTRY.
 2. FI ASSEMBLY AS SHOWN.
 3. ALL DIMENSIONS ARE IN INCHES.

PROPRIETARY INFORMATION

All rights reserved. This document and the information it contains is the property of the Waring Electric America LLC and/or its affiliates. It has been provided solely for the private use of the recipient, and is not to be distributed, copied, reproduced, modified, or otherwise used without the written permission of Waring Electric America LLC. Any unauthorized use is strictly prohibited except as expressly authorized in writing by the Waring Electric America LLC.

REV.	DESCRIPTION	DATE	APPROVED
1	ISAAC #17-0780	10/24/17	SRIKANTH
2	ISSAC #18-0869	SPEEDDEV1 01/07/18	PRASHANTH
3	ISAAC #19-0358	NAGARAJ 04/22/19	SAHID

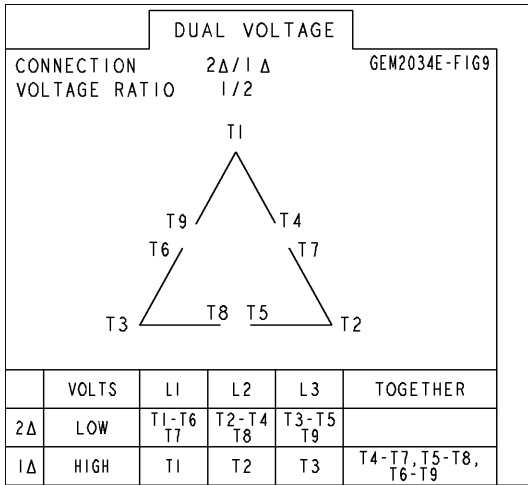


SIGNATURES	DATE
MODEL: MACARAJ	06/22/17
DESIGN: SRIKANTH	06/22/17
CHECKED: SRIKANTH	06/22/17
ENG: SRIKANTH	06/22/17
QUALITY: SRIKANTH	06/22/17
ISSUED: SRIKANTH	06/22/17
SOLID MODEL: MODEL NAME	

GE INDUSTRIAL MOTORS	
WOLONG company	
OUTLINE	
284T/286T TFC EXPLOSION PROOF	
291 CU. IN. C/BOX	
SHEET DRAWING	REV
B	358B6504AA 003
SCALE: NTS	REF. NO.:
	SHEET 1 of 1

Marks:

Connection Diagram
GEM2034E-FIG9



Thermostat Connection
3027JE-2A

