Certification Test



Variable Frequency Drive Basics TRM902-AFD-DriveBasics (eLM.AFD.01.DriveBasics)

Taking the Certification Test

No demo unit is needed to take this test. Please record all answers on this answer sheet. Multiple-choice questions have **only one** correct answer, except where noted otherwise. Choose the best answer for each question.

A passing score is 90%.

Returning the Certification Test

Option 1: Fax this page to Yaskawa Technical Training Services at (847) 887-7185.

Option 2: E-mail the answers and **all** contact info below to **training@yaskawa.com**.

Receiving Your Score

Answer Sheet:

You may review your answers only if a passing score is received. When the test is taken during class, you will receive your score as soon as it can be graded. When taken as a CLEP test or pre-requisite enrollment test, contact Technical Training Services via email or phone to receive your score.

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3.		
4		
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- — —		
Contact Information:		
Contact Information: Name:	Title:	
	Fmail:	
Name: Company:	Fmail:	
Name: Company: Address:	Email:	
Name: Company: Address: Phone Number:	Email:	
Name: Company: Address:	Email:	

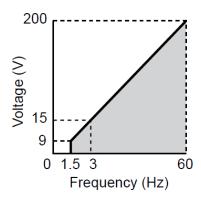
Yaskawa America, Inc. 2121 Norman Drive South Waukegan IL 60085

Certification Test

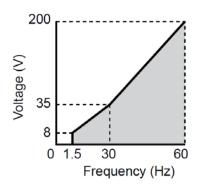
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- 1. What does the acronym PWM stand for?
 - A. Positive Wound Motor
 - B. Pulse Width Modulation
 - C. Pulse Wide Mitigation
 - D. Pole Winding Motor
- 2. Which V/f Pattern would you choose for a variable torque load?



a.



b.

- 3. What does IGBT stand for?
 - A. Insulated Gate Bipolar Transformer
 - B. Integrated Gate Bidirectional Transistor
 - C. Insulated Gate Bipolar Transistor
 - D. Integrated Gate Bipolar Transistor

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- 4. Which control method offers the best performance?
 - A. V/F
 - B. V/F with PG
 - C. Open Loop Vector
 - D. Closed Loop Vector
- 5. What component of a Variable Frequency Drive is used to store energy?
 - A. Capacitor
 - B. Diode
 - C. MOVs
 - D. Soft Charge Circuit