

Certification Test

D1000 Features and Benefits



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

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.

Answer Sheet:

1. _____	6. _____
2. _____	7. _____
3. _____	8. _____
4. _____	9. _____
5. _____	10. _____

Contact Information:

Name: _____ Title: _____

Company: _____ Email: _____

Address: _____

Phone Number: _____ Fax number: _____

Supervisor's Name/ Title: _____

Name of Yaskawa Rep: _____

Test Date: _____

1. Regen is...
 - A. Mechanical energy created as a result of a motor shaft turning faster than the output frequency
 - B. Electrical energy created as a result of a motor shaft turning faster than the output frequency
 - C. Kinetic energy created as a result of a motor shaft turning faster than the output frequency
 - D. Magical energy created as a result of a motor shaft turning faster than the output frequency

2. A pitfall of dynamic braking is...
 - A. It is very expensive
 - B. Its wiring is complex
 - C. The energy is wasted
 - D. None, dynamic braking is perfect

3. The D1000 is Yaskawa's new
 - A. Active Front-end
 - B. Industrial Drive
 - C. HVAC Drive

4. The output of the D1000 is a Sinusoidal PWM waveform.
 - A. True
 - B. False

5. The D1000 can supply power to multiple devices.
 - A. True
 - B. False

6. Yaskawa sells the D1000 as a package deal. This package includes...(Select **ALL** that apply)
 - A. AC Drive
 - B. PWM filter module
 - C. AC reactor
 - D. AC Motor
 - E. D1000 unit

7. D1000 units and Yaskawa AC drives can be mounted as close as 1 inch side-by-side
 - A. True
 - B. False

8. The monitors on the D1000 can display
 - A. Electrical power
 - B. Regen power
 - C. Power factor
 - D. Voltage levels
 - E. All of the above

9. The D1000 is offered in 200, 400, and 600 Volt classes
 - A. True
 - B. False

10. The key benefits of the D1000 are
 - A. Unity power factor
 - B. Low power supply harmonics
 - C. Full power regeneration
 - D. Supply power to multiple devices
 - E. All of the above