



Review - Matching

1. Change Reference _____
2. Maintain Speed _____
3. Ramp Up _____
4. Direction Change _____
5. Ramp Down _____
6. Limits _____
7. Saves Energy _____
8. 3-Phase AC Motor _____

Letter selection, the definitions, A – H are in the notes.

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Matching:

- A.** Slowly starts the motor and increases the speed over a certain amount of time, say 60 seconds, before it achieves the reference speed. This is also known as acceleration.
- B.** Slowly stops the motor and decreases the speed over a certain amount of time, say 60 seconds, before it stops completely. This is also known as deceleration.
- C.** Stops the drive when the current or torque is too high. It also prohibits the operation of the VFD and motor going too fast.
- D.** Allows the operator to select different speeds for the motor – slower or faster.
- E.** This is the device operated by an Variable Frequency Drive (VFD).
- F.** This function allows the operator to go both backward and forward.
- G.** This function continues operating the motor at the same speed, regardless of the load, heavy or light.
- H.** This the the major reason for using VFDs on fans and pumps.



End of Lesson 1

Answers

- | | | |
|------|-------|-------|
| 1)D. | 2) G. | 3) A. |
| 4)F. | 5) B. | 6) C. |
| 7)H. | 8) E. | |

Objectives

- 1) The student is able to identify 7 basic functions of an Variable Frequency Drive (VFD) and give a brief description of each function.
- 2) The student is able to identify the device operated by an Variable Frequency Drive (VFD).

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For more information, please contact the MCU Training Team.