

NYC - Final RMO

The efficiency of the refrigerant cycle is affected by the operation of the condenser. Of the following, a more efficient centrifugal compressor operation results from

- a. Raising the condenser liquid level to the maximum
- b. lowering the chilled water set point.
- c. raising the condenser head pressure
- d. lowering the condenser pressure - **ANS** Lowering the condensing pressure

The heat removed from the refrigerant in a condenser is

- a. sensible and latent heat
- b. latent heat only
- c. radiant heat only
- d. sensible heat only - **ANS** sensible and latent heat

The refrigerant unit that you have been assigned to is being taken out of service for major repair. You have been assigned to withdraw refrigerant from storage in suitable containers. According to the NYC fire code, you must ensure that the containers

- a. do not weigh more than 200lbs when filled
- b. Are approved by the US Department of Transportation (DOT)
- c. are approved by the OSHA association
- d. do not exceed 55 gallon in capacity - **ANS** Are approved by the US Department of Transportation (DOT)

Which of the following best describes how the cylinder unloader work?

- a. Keep in the suction valve opened while the compressor is in the return stroke.
- b. controls the clearance volume in the compressor with a solenoid
- c. controls the opening of the passage into the compressor with variable vanes
- d. unloads the pistons to create less pressure - **ANS** Keep in the suction valve opened while the compressor is in the return stroke.

In most semi hermetic compressors, the suction vapor is used to - **ANS** Cools the motor

Nyc Rmo Exam Study Guide

U.S. Atomic Energy Commission

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the U.S. Atomic Energy Commission text.

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