
NATE CORE STUDY GUIDE – COMPLETE GUIDE

Which of the following is not the product of incomplete combustion: ✓ Ans - Oxides of nitrogen

An oil trap is required at the base of the discharge line of the vertical riser is ___ or above ✓ Ans - 8 feet

A diode allows current to flow in one direction: ✓ Ans - True

1 Watt = ___ Btu ✓ Ans - 3.41

Current in a closed circuit is limited by which of the following: ✓ Ans - resistance

An oil separator is located in the ___: ✓ Ans - Discharge line

___ is the heat that is absorbed or extracted when a substance changes its state: ✓ Ans - Latent heat

___ is the temperature at which oil starts to produce a waxy substance that may interfere with the refrigeration system: ✓ Ans - Flocc Point

1 kWh of electric power is equivalent to ___ Btu per hour: ✓ Ans - 3412

What will be the resistance in the circuit if the supply voltage is 30V and current flowing through the circuit is 5A: ✓ Ans - 6 OHM

Gas valves operate at ___ voltage: ✓ Ans - 24V

___ use two special helical rotors that introduce suction vapors then compress them: ✓ Ans - Screw Compressor

A high pressure steam boiler operates at a pressure greater than ___ : ✓ Ans - 15 PSIG

In Fire tube boiler, which of the following pass through the tubes: ✓ Ans - Flue Gas

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