

Diesel Plant Operating Engineer Third Class

Qualifications

Minimum age - 19

Education - High School Diploma, GED or Equivalent.

Experience – Two years

Examination - Written (Oral or Practical when necessary)

Maximum Refrigeration or Air Conditioning (Unsupervised) - 600 ton

Curriculum at the Minimum:

- Basic Thermodynamics
- Basic Measuring Instruments
- Fuels
- Operating Fundamentals
- Two-Stroke and Four-Stroke Cycles
- High Speed Engines
- Low Speed Engines
- Engine Construction And Layout
- Diesel Engine Components
- Valve Arrangements
- Typical Operating Efficiencies
- Basic HVAC Cycle
- General Industrial Safety
- Basic Electrical Theory
- Environmental Effects