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Practical Refrigeration Training Centre

Course Details

## **Fast Track Level 3 Diploma - City & Guilds 6187-06 Refrigeration Service and Maintenance for experienced engineers**

### **Introduction**

For experienced RAC engineers who need a recognised level 3 qualification or are looking to develop their skills, we are offering the 'Fast Track' City and Guilds 6187-06 Diploma in Refrigeration Service and Maintenance.

Delivered over only 18 days, it is essential that candidates are experienced refrigeration engineers who can complete comprehensive site-based reports which cover a range of onsite work including organising resources, fault diagnosis and maintenance. Whilst a Level 2 diploma is not a pre-requisite, knowledge of CEM regulations, vapour compression systems and the F Gas category 1 are required.

This course is scheduled on demand so please contact us for further information.

### **Objective**

To achieve the skills and knowledge necessary to obtain the City and Guilds 6187-06 Level 3 NVQ Diploma in Refrigeration Service and Maintenance.

### **Methodology**

Training is run as a combination of remote learning with discussions held over Microsoft Teams and x2 week blocks of training and exams held at the Centre.

Divided into four modules including three online assessments and a portfolio to evidence the practical assignments.

Teaching methods will include presentations, professional discussions and theoretical work will be assisted by extensive study notes.

To achieve the diploma candidates will need to successfully complete all the elements. With some units including distance learning, there is emphasis on delegates to complete self-directed study.

### **Synopsis**

The Level 3 Diploma comprises of the following compulsory units which are scheduled over 18 days (generally completed over a 6-month period).

**Unit 302 - Understand and carry out electrical work on RAC systems and components.**



Overview, understand and carry out electrical work on RAC system components and theoretical understanding. Online test and portfolio assignment.

### **Unit 303 - Understand how to organise resources within BSE.**

Online test, with supplementary evidence gathered from work-based reports. Plan work programmes including risk assessments, method statements, site responsibilities and safety regulations.

### **Unit 309 – Understand halocarbon ‘fluorinated’ refrigeration systems, service and maintenance techniques.**

Online test, to underpin knowledge of systems, equipment and components, refrigeration controls and design principles. This also includes knowledge of legislative and organisational procedures, alongside procedures for service, maintenance, identifying faults, commissioning and decommissioning.

### **Unit 311 - Service and maintain halocarbon ‘fluorinated’ refrigeration systems.**

Portfolio evidence including professional discussion and work based reports to cover planning and performing service and maintenance activities, fault finding and completing system records.

