



Level 3 Award in

Understanding Electrical Obligations for Heat Pump Installation

Qualification Specification

Qualification Recognition Number: 610/1575/1

ABBE Qualification Code: AwardUEOHPIL322

September 2022

This qualification specification was developed in September 2022, no changes have been made to this document since this date.

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Contents

1. ABBE	4
1.1 Introduction	4
1.2 Mission Statement	4
1.3 Qualification Specification	4
1.4 Enquiries	4
2. Qualification Information	5
2.3 Qualification Number	5
2.4 Qualification Level	5
2.5 Total Qualification Time	5
2.6 Progression	5
2.7 Age ranges	5
2.8 Structure of the Qualification	5
2.9 Barred Units	6
2.10 Language	6
2.11 Grading	6
2.12 Pre-course Procedures	6
2.13 Assessment Principles	6
3. Qualification Unit(s)	7



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1. ABBE

1.1 Introduction

ABBE, the Awarding Body for the Built Environment is a forward thinking organisation that offers a range of qualifications, benefits and support.

ABBE is regulated by Ofqual for the delivery of a range of qualifications. Our qualifications are nationally recognised helping learners to achieve their full potential and ambitions.

The full range of qualifications can be found on our website at www.abbqa.co.uk

1.2 Mission Statement

Our Values - Quality through Standards: Our aim is to provide a high quality experience by building a strong community of mutual support and trust. We can use our collective talents to build meaningful partnerships to help us all to achieve our goals. ABBE is a recognised Awarding Organisation with strong professional integrity.

Our Vision: Is that every learner is confident, successful and has the opportunity to achieve their full potential.

Our Mission: ABBE Educates, inspires and empowers learners

1.3 Qualification Specification

The aim of this specification is to provide learners and centres with information about the content of this qualification. This specification is a live document and, as such, will be updated when required.

1.4 Enquiries

Any enquiries relating to this qualification should be addressed to:

ABBE

Birmingham City University

University House

15 Bartholomew Row

Birmingham

B5 5JU

Tel: 0121 331 5174

Email: abbeenquiries@bcu.ac.uk

Website: www.abbqa.co.uk



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2. Qualification Information

To gain a working knowledge of heat pump fundamentals and for learners to be able to develop the skills and knowledge necessary to comply with the key electrical and legislative obligations that apply to heat pumps systems within the Building Services Engineering (BSE) renewable sector

2.2 Who could take this Qualification?

The course is aimed primarily electricians but will also be of use to those learners who wish to understand the key electrical requirements for heat pump installation and who may need to complete the required applications forms for heat pump installation.

2.3 Qualification Number

ABBE Level 3 Award in Understanding Electrical Obligations for Heat Pump Installation:
610/1575/1

2.4 Qualification Level

This qualification has been listed on the Regulated Qualifications Framework (RQF) at: Level 3

2.5 Total Qualification Time

This qualification is allocated Total Qualification Time (TQT) this includes Guided Learning (GL) expressed in hours, which indicates the number of hours of supervised or directed study time and assessment. Credit has also be allocated to this qualification.

- The Total Qualification Time (TQT) for this qualification is: 18
- Guided Learning (GL) for this qualification is: 8
- Credit Value: 2 credits

2.6 Progression

This qualification has been designed to encourage participation in education and training in other related areas by progressing on to:

There are no specific progression routes for this qualification

2.7 Age ranges

Pre 16	No
16-18	No
18+	Yes
19+	Yes

2.8 Structure of the Qualification

To achieve this qualification, learners must achieve 1 mandatory units.

Mandatory Units				
Unit No.	URN	Unit Name	Credit Value	Le
1	H/650/4375	Understand Electrical Obligations for Heat Pump Installation	3	



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2.9 Barred Units

Units with the same title and unit number cannot be combined in the same qualification. Additionally, units with the same title or with the same content at different levels cannot be combined in the same qualification.

2.10 Language

ABBE qualifications and assessment materials will be provided through the medium of English.

2.11 Grading

This qualification is: Pass/Fail

2.12 Pre-course Procedures

ABBE qualifications are available to anyone who is capable of reaching the required standards. They have been developed free from any barriers that unfairly restrict access or progression thereby promoting equal opportunities.

There are no formal requirements for entry onto this qualification.

2.13 Assessment Principles

This qualification must be assessed according to the ABBE Assessment Principles that can be found on our website www.abbega.co.uk

You **MUST** read the Assessment Principles and fully understand them before delivery on this qualification is undertaken.



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3. Qualification Unit(s)

Unit 1 – Understand Electrical Obligations for Heat Pump Installation

Unit reference Number: H/650/4375

Level: 3

Credit: 2

GLH: 8

Unit Summary:

This unit is about the knowledge and understanding electricians commissioning and installing heat pumps will need. It will look at Government schemes, the difference between heat pumps and fossil fuelled boilers, the principles of operating a heat pump as well as electrical circuit protection devices. It will also cover legionella and the paperwork associated with meeting all the requirements for commissioning a heat pump.

Assessment Guidance:

For guidance, this unit can be assessed using the following method(s):

- Examination

Learning outcomes:

1. Understand how heat pumps are supported by the UK Government
2. Understand the main differences between heat pumps and fossil fuelled boilers
3. Understand why heat pumps are considered to be a low carbon technology
4. Understand the principals of the operation of a heat pump
5. Understand why legionella bacteria is harmful and how it can be killed
6. Know what electrical circuit protection devices are required and where isolation switch/es should be installed, and where information protection devices can be found
7. Be able to complete a Distribution Network Operator (DNO) application form



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