



Australian Government

CPCPMS3037 Install and commission a single head split system air conditioning

Release: 2

CPCPMS3037 Install and commission a single head split system air conditioning

Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Elements and Performance Criteria 3.9 and 3.10 is deleted.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCPMS3037A Install and test split system air conditioning. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to install and commission a single head split system air conditioning.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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|---------------------------------------|--|
| 1 Identify installation requirements. | 1.1 Access, read and determine a single head split system air conditioning installation and commissioning requirements from relevant plans, job specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements. |
| | 1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental |

requirements.

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| 2 | Prepare for work. | 2.1 | Create a materials list and collect materials. |
| | | 2.2 | Select and check serviceability of appropriate tools, equipment and personal protective equipment (PPE). |
| 3 | Install and test system. | 3.1 | Set out and install indoor and outdoor unit according to drawings and job and manufacturer's specifications. |
| | | 3.2 | Set out pipework and connection points according to drawings and job and manufacturer's specifications. |
| | | 3.3 | Perform testing of installed pipework. |
| | | 3.4 | Remove moisture from pipework. |
| | | 3.5 | Charge pipework. |
| | | 3.6 | Perform installation of condensate drain. |
| | | 3.7 | Perform installation of insulation and casing. |
| | | 3.8 | Perform testing of operation of unit according to relevant standards and manufacturer's specifications. |
| 4 | Clean up. | 4.1 | Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures. |
| | | 4.2 | Clean tools and equipment, check for serviceability and report any damage, and store and secure. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCPMS3037A Install and test split system air conditioning.

Links

Companion volumes to this training package are available at the VETNet website -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPMS3037 Install and commission a single head split system air conditioning

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- installing, testing and commissioning a single-head split system air conditioner.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- electrical safety requirements
- operating principles of air conditioning and refrigeration systems
- processes of installing, testing and commissioning split air conditioning systems
- types of information on split system air conditioning systems, including types of refrigerant gases and their characteristics
- how to access relevant information, including codes and standards
- tools, materials and equipment used to install and commission a single head split system air conditioning
- work health and safety (WHS) requirements to install and commission a single head split system air conditioning.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

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