

1. Title	Perform basic installation of packaged air-conditioning systems									
2. Code	EMACIN212A									
3. Range	Perform basic installation of packaged air-conditioning systems at installation sites under a certain degree of instruction.									
4. Level	2									
5. Credit	7									
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Functions of water-cooled and air-cooled packaged air-conditioning system equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the names of various water-cooled and air-cooled packaged air-conditioning system equipment ◆ Understand the functions of various water-cooled and air-cooled packaged air-conditioning system equipment </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Basic installation methods and procedures of packaged air-conditioning systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Use electric arc welding method to make simple supporting frames for water pumps, cooling towers and other packaged air-conditioning systems according to drawings ◆ Follow the instructions to perform basic installation of water-cooled packaged air-conditioning system equipment including water pumps, cooling towers and indoor units ◆ Follow the instructions to perform basic installation of air-cooled packaged air-conditioning system equipment including indoor and outdoor units </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in Basic installation of packaged air-conditioning systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow the instructions to perform basic installation of packaged air-conditioning system equipment ◆ Understand the safety guidelines as required by the law and the code of practice and perform packaged air-conditioning system installation </td> </tr> </table>	6.1	Functions of water-cooled and air-cooled packaged air-conditioning system equipment	<ul style="list-style-type: none"> ◆ Understand the names of various water-cooled and air-cooled packaged air-conditioning system equipment ◆ Understand the functions of various water-cooled and air-cooled packaged air-conditioning system equipment 	6.2	Basic installation methods and procedures of packaged air-conditioning systems	<ul style="list-style-type: none"> ◆ Use electric arc welding method to make simple supporting frames for water pumps, cooling towers and other packaged air-conditioning systems according to drawings ◆ Follow the instructions to perform basic installation of water-cooled packaged air-conditioning system equipment including water pumps, cooling towers and indoor units ◆ Follow the instructions to perform basic installation of air-cooled packaged air-conditioning system equipment including indoor and outdoor units 	6.3	Professionalism in Basic installation of packaged air-conditioning systems	<ul style="list-style-type: none"> ◆ Follow the instructions to perform basic installation of packaged air-conditioning system equipment ◆ Understand the safety guidelines as required by the law and the code of practice and perform packaged air-conditioning system installation
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to make simple supporting frames for packaged air-conditioning system equipment; and</p> <p>(ii) Capable to complete the basic installation of packaged air-conditioning system equipment.</p>									
8. Remarks	This unit of competency is applicable to practitioners engaged in general installation of packaged air-conditioning systems.									