1. Title	Apply single-phase/three-phase power supply and motors in plumbing installations
2. Code	EMPDDE303A
3. Range	Apply the knowledge of three-phase circuits and motors to assist in plumbing design and installation.
4. Level	3
5. Credits	4
6. Competency	Performance Requirements
	<ul> <li>6.1 Understand the operation and principles of motors</li> <li>6.2 Know about AC motors and their applications</li> <li>6.2 Know about AC motors and their operations</li> <li>6.2 Know about AC motors and their operations</li> <li>6.3 Know about AC motors and their operations</li> <li>6.4 Select single-phase and three-phase motors suitable for use in plumbing</li> <li>6.2 Select a motor starting method to suit the system operation</li> <li>6.3 Provide suitable single-phase and three-phase motors for the design and installation work according to the Electricity Ordinance</li> </ul>
7. Assessment Criteria	and the code of practice of the Electricity (Wiring) Regulations         The integrated outcome requirements of this unit of competency are:         (i)       Capable to understand correctly and systematically the difference of single-phase and
	<ul> <li>three-phase circuits and their applications;</li> <li>(ii) Capable to understand correctly the operation and application of single-phase/three-phase motors; and</li> <li>(iii) Capable to select motor starting methods correctly.</li> </ul>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic mathematical knowledge.