1. Title	Select appropriate AC/DC motors for electrical and mechanical installations
2. Code	EMELDE207A
3. Range	Applicable to AC/DC motors design. Apply basic operating principles of simple AC/DC motors to assess general operation performance of the motors for general electrical and mechanical work, such as water pumps of buildings.
4. Level	2
5. Credit	6
6. Competency	Performance Requirements
	 6.1 Understand simple AC/DC motors Understand basic operating principles of single-phase and three-phase AC motors Understand the relationship between speed and torque of AC/DC motors Understand the current difference between star connection and delta connection of three-phase AC motors Understand the relationship between starting methods of DC motors and current 6.2 Select appropriate AC/DC motors of celectrical and mechanical installations Calculate the power, current and voltage of AC/DC motors, such as the relationship between speed and torque, efficiency and power factor Assess the performance of general starting methods for
	 AC/DC motors, such as direct starting, star-delta starting, etc. Select appropriate AC/DC motors for electrical and mechanical installations
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is:(i) Capable to select appropriate type of motors for electrical and mechanical installations.
8. Remarks	