

# EA01D: Motors and Generators

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|------------------|---------------|
| Catalogue Number | 77-EA01D-0000 |
| Category         | JobMaster     |
| Duration         | 15 Hours      |

## Introduction to Motors and Generators

Safety

### Skill 1: Operating a PMDC Motor

- 1.1: DC Motors
- 1.2: AC Motors
- 1.3: Skill Overview
- 1.4: Skill Drill
- 1.5: Concept Review

### Skill 2: Operating a DC Generator

- 2.1: Generators
- 2.2: Skill Overview
- 2.3: Skill Drill
- 2.4: Concept Review

### Skill 3: Operating an AC Generator

- 3.1: Skill Overview
- 3.2: Skill Drill
- 3.3: Concept Review

### Skill 4: Operating a Series Motor

- 4.1: Skill Overview
- 4.2: Skill Drill
- 4.3: Concept Review

**Skill 5: Demonstrating Principles of Reactance and Impedance**

- 5.1: Voltage and Current in AC Circuits
- 5.2: Power Factor
- 5.3: Skill Overview
- 5.4: Skill Drill
- 5.5: Concept Review

**Skill 6: Applying Phase Relationship Principles**

- 6.1: Skill Overview
- 6.2: Skill Drill
- 6.3: Concept Review

**Skill 7: Illustrating Three-Phase Power**

- 7.1: Three-phase Power Generation
- 7.2: Skill Overview
- 7.3: Skill Drill
- 7.4: Concept Review

**Skill 8: Measuring AC Voltage**

- 8.1: AC Power Supply
- 8.2: Skill Overview
- 8.3: Skill Drill
- 8.4: Concept Review

**Comprehensive Post-Test**