

SILVER COURSE PART 1

Heat Pump Installation and Application

Module One: Heat Pump Installation

Aim:

To ensure course participants can competently install and commission Mitsubishi Electric Split System Heat Pump products.

Contents:

- Planning a heat pump installation
- Indoor unit location
- Outdoor unit location
- Pipe work requirements
- Condensate drain
- Evacuation procedure and theory
- Electrical wiring and COC
- Commissioning and quality control
- Controls options

Outcome:

On completion of this course all participants will be:

- Able to install a Mitsubishi Electric Split Heat Pump System in a neat and professional manner
- Aware of and comply with COC and EWRB legal requirements
- Aware of and comply with all current pertinent local body requirements
- Able to commission an installation to ensure end user satisfaction

Module Duration:

Both Silver Level Accreditation Modules are completed simultaneously as a 6 hour course

SILVER COURSE PART 2

Heat Pump Installation and Application

Module Two: Heat Pump Application

Aim:

To ensure that course participants can understand the factors which determine the size and apply Mitsubishi Electric Split System Heat Pump products to the particular project.

Contents:

- Heat pump theory
- Inverter theory
- Heat pump efficiency
- General heat pump sizing calculations
- Low ambient degradation
- Heat pump types
- Heat pump noise
- Warranty

Outcome:

On completion of this course all participants will be:

- Able to understand heat pump theory
- Able to understand inverter theory
- Familiar with sizing methods calculations
- Aware of ambient de-rating and heat pump efficiency
- Able to size and apply Mitsubishi Electric Heat Pump products
- Aware of heat pump noise solutions
- Able to understand Mitsubishi Electric warranty conditions

Module Duration:

Both Silver Level Accreditation Modules are completed simultaneously as a 6 hour course