

# Split Type Specifications

## Indoor unit

### <Cylinder unit (Reversible)>

|   |                                      |                               | Small capacity        |                                |                       |    |
|---|--------------------------------------|-------------------------------|-----------------------|--------------------------------|-----------------------|----|
| Model name                                  |                                      |                               | ERST17D-VM2D          | ERST20D-VM2D                   | ERST30D-VM2ED         |    |
| Type  |                                      |                               | Heating and Cooling   |                                |                       |    |
| Expansion vessel                            |                                      |                               | ✓                     | ✓                              |                       |    |
| Booster heater (2/6/9kW)                    |                                      |                               | ✓                     | ✓                              | ✓                     |    |
| Dimensions                                  | HxWxD                                | mm                            | 1400x595x680          | 1600x595x680                   | 2050x595x680          |    |
| Weight (empty)                              |                                      | kg                            | 94                    | 100                            | 115                   |    |
| Control Board Power supply (Phase / V / Hz) |                                      |                               | ~/N, 230V, 50Hz       | ~/N, 230V, 50Hz                | ~/N, 230V, 50Hz       |    |
| Heater                                      | Booster heater                       | Power supply (V / Phase / Hz) | ~/N, 230V, 50Hz       | ~/N, 230V, 50Hz                | ~/N, 230V, 50Hz       |    |
|   |                                      | Capacity                      | kW                    | 2                              | 2                     | 2  |
|   |                                      | Current                       | A                     | 9                              | 9                     | 9  |
|   |                                      | Breaker size                  | A                     | 16                             | 16                    | 16 |
| Domestic hot water tank                     | Volume / Material                    | L / -                         | 170 / Stainless steel | 200 / Stainless steel          | 300 / Stainless steel |    |
| Guaranteed operating range *1               | Ambient                              | °C                            | 0 - 35 (≤ 80%RH)      |                                |                       |    |
|   | Outdoor                              | Heating                       | °C                    | See outdoor unit spec table    |                       |    |
|   |                                      | Cooling                       | °C                    | See outdoor unit spec table *2 |                       |    |
| Target temperature range                    | Heating                              | Room temperature              | °C                    | 10 - 30                        |                       |    |
|   |                                      | Flow temperature              | °C                    | 20 - 60                        |                       |    |
|   | Cooling                              | Room temperature              | °C                    | -                              |                       |    |
|   |                                      | Flow temperature              | °C                    | 5 - 25                         |                       |    |
| DHW tank performance                        | Max. hot water temperature           | °C                            | 70                    |                                |                       |    |
|   | Water heater energy efficiency class |                               | A <sup>+</sup>        |                                | A - A <sup>+</sup>    |    |
| Sound pressure level (PWL)                  |                                      |                               | dB (A)                | 41                             |                       |    |

\*1 The indoor environment must be frost-free.

\*2 During cooling operation at low outdoor temperature (10°C or lower), frozen water may cause damage on plate heat exchanger.

### <Cylinder unit (Reversible)>

|   |                                      |                               | Medium capacity       |                                |    |
|---|--------------------------------------|-------------------------------|-----------------------|--------------------------------|----|
| Model name                                  |                                      |                               | ERST20C-VM2D          | ERST30C-VM2ED                  |    |
| Type  |                                      |                               | Heating and Cooling   |                                |    |
| Expansion vessel                            |                                      |                               | ✓                     |                                |    |
| Booster heater (2/6/9kW)                    |                                      |                               | ✓                     | ✓                              |    |
| Dimensions                                  | HxWxD                                | mm                            | 1600x595x680          | 2050x595x680                   |    |
| Weight (empty)                              |                                      | kg                            | 110                   | 122                            |    |
| Control Board Power supply (Phase / V / Hz) |                                      |                               | ~/N, 230V, 50Hz       | ~/N, 230V, 50Hz                |    |
| Heater                                      | Booster heater                       | Power supply (V / Phase / Hz) | ~/N, 230V, 50Hz       | ~/N, 230V, 50Hz                |    |
|   |                                      | Capacity                      | kW                    | 2                              | 2  |
|   |                                      | Current                       | A                     | 9                              | 9  |
|   |                                      | Breaker size                  | A                     | 16                             | 16 |
| Domestic hot water tank                     | Volume / Material                    | L / -                         | 200 / Stainless steel | 300 / Stainless steel          |    |
| Guaranteed operating range *1               | Ambient                              | °C                            | 0 - 35 (≤ 80%RH)      |                                |    |
|   | Outdoor                              | Heating                       | °C                    | See outdoor unit spec table    |    |
|   |                                      | Cooling                       | °C                    | See outdoor unit spec table *2 |    |
| Target temperature range                    | Heating                              | Room temperature              | °C                    | 10 - 30                        |    |
|   |                                      | Flow temperature              | °C                    | 20 - 60                        |    |
|   | Cooling                              | Room temperature              | °C                    | -                              |    |
|   |                                      | Flow temperature              | °C                    | 5 - 25                         |    |
| DHW tank performance                        | Max. hot water temperature           | °C                            | 70                    |                                |    |
|   | Water heater energy efficiency class |                               | A <sup>+</sup>        | A                              |    |
| Sound pressure level (PWL)                  |                                      |                               | dB (A)                | 40                             |    |

\*1 The indoor environment must be frost-free.

\*2 During cooling operation at low outdoor temperature (10°C or lower), frozen water may cause damage on plate heat exchanger.

### <Hydro box (Reversible)>

|   |                |                               | Small capacity      | Medium capacity                | Large capacity  |                 |     |
|---|----------------|-------------------------------|---------------------|--------------------------------|-----------------|-----------------|-----|
| Model name                                  |                |                               | ERSD-VM2D           | ERSC-VM2D                      | ERSE-MED        | ERSE-VM9ED      |     |
| Type  |                |                               | Heating and Cooling |                                |                 |                 |     |
| Expansion vessel                            |                |                               | ✓                   | ✓                              | -               | -               |     |
| Booster heater (2/6/9kW)                    |                |                               | ✓                   | ✓                              | -               | ✓               |     |
| Dimensions                                  | HxWxD          | mm                            | 800x530x360         |                                | 950x600x360     |                 |     |
| Weight (empty)                              |                | kg                            | 44                  | 48                             | 62              | 64              |     |
| Control Board Power supply (Phase / V / Hz) |                |                               | ~/N, 230V, 50Hz     | ~/N, 230V, 50Hz                | ~/N, 230V, 50Hz | ~/N, 230V, 50Hz |     |
| Heater                                      | Booster heater | Power supply (V / Phase / Hz) | ~/N, 230V, 50Hz     | ~/N, 230V, 50Hz                | -               | 3~400V, 50Hz    |     |
|   |                | Capacity                      | kW                  | 2                              | 2               | -               | 3+6 |
|   |                | Current                       | A                   | 9                              | 9               | -               | 13  |
|   |                | Breaker size                  | A                   | 16                             | 16              | -               | 16  |
| Guaranteed operating range *1               | Ambient        | °C                            | 0 - 35 (≤ 80%RH)    |                                |                 |                 |     |
|   | Outdoor        | Heating                       | °C                  | See outdoor unit spec table    |                 |                 |     |
|   |                | Cooling                       | °C                  | See outdoor unit spec table *2 |                 |                 |     |
| Target temperature range                    | Heating        | Room temperature              | °C                  | 10 - 30                        |                 |                 |     |
|   |                | Flow temperature              | °C                  | 20 - 60                        |                 |                 |     |
|   | Cooling        | Room temperature              | °C                  | -                              |                 |                 |     |
|   |                | Flow temperature              | °C                  | 5 - 25                         |                 |                 |     |
| Sound pressure level (PWL)                  |                |                               | dB (A)              | 41                             | 40              | 45              |     |

\*1 The indoor environment must be frost-free.

\*2 If you use our system in cooling mode at the low ambient temperature (10°C or below), there are some risks of plate heat exchanger breaking by frozen water.

# Packaged Type Specifications

<Cylinder unit (Reversible)>

| Model name                                  |                                      | ERPT17X-VM2D                  | ERPT20X-VM2D          | ERPT30X-VMZED                 |                       |    |
|---|--------------------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|----|
| Type  |                                      | Heating and cooling           |                       |                               |                       |    |
| Immersion heater                            |                                      | -                             | -                     | -                             |                       |    |
| Expansion vessel                            |                                      | ✓                             | ✓                     | -                             |                       |    |
| Booster heater                              |                                      | ✓                             | ✓                     | ✓                             |                       |    |
| Dimensions                                  | H×W×D                                | mm                            | 1400×595×680          | 1600×595×680                  | 2050×595×680          |    |
| Weight (empty)                              |                                      | kg                            | 86                    | 94                            | 107                   |    |
| Control board power supply (Phase / V / Hz) |                                      |                               | ~N, 230V, 50Hz        |                               |                       |    |
| Heater                                      | Booster heater                       | Power supply (Phase / V / Hz) | ~N, 230V, 50Hz        | ~N, 230V, 50Hz                |                       |    |
|   |                                      | Capacity                      | kW                    | 2                             | 2                     | 2  |
|   |                                      | Current                       | A                     | 9                             | 9                     | 9  |
|   |                                      | Breaker size                  | A                     | 16                            | 16                    | 16 |
|   | Immersion heater*2                   | Power supply (Phase / V / Hz) | -                     | -                             | -                     |    |
|   |                                      | Capacity                      | kW                    | -                             | -                     | -  |
|   |                                      | Current                       | A                     | -                             | -                     | -  |
|   |                                      | Breaker size                  | A                     | -                             | -                     | -  |
| Domestic hot water tank                     | Volume / Material                    | L / -                         | 170 / Stainless steel | 200 / Stainless steel         | 300 / Stainless steel |    |
| Guaranteed operating range*1                | Ambient                              | °C                            | 0 - 35 (≤80%RH)       |                               |                       |    |
|   | Outdoor                              | Heating                       | °C                    | See outdoor unit spec table   |                       |    |
|   |                                      | Cooling                       | °C                    | See outdoor unit spec table*4 |                       |    |
| Target temperature range                    | Heating                              | Room temperature              | °C                    | 10-30                         |                       |    |
|   |                                      | Flow temperature              | °C                    | 20-60                         |                       |    |
|   | Cooling                              | Room temperature              | °C                    | -                             |                       |    |
|   |                                      | Flow temperature              | °C                    | 5-25                          |                       |    |
| DHW tank performance                        | Max. hot water temperature           | °C                            | 70                    |                               |                       |    |
|   | Water heater energy efficiency class |                               | A+                    |                               | A                     |    |
| Sound pressure level (PWL)                  |                                      | dB (A)                        | 40                    |                               |                       |    |

- \*1 The indoor environment must be frost-free.
- \*2 Do not fit immersion heaters without thermal cut-out. Use only Mitsubishi Electric service parts as a direct replacement.
- \*3 For the model without booster heater and immersion heater, the maximum allowable hot water temperature is 3°C lower than maximum outlet water of outdoor unit.  
For the maximum outlet water of outdoor unit, refer to outdoor unit data book.
- \*4 During cooling operation at low outdoor temperature (10°C or lower), frozen water may cause damage on plate heat exchanger.

