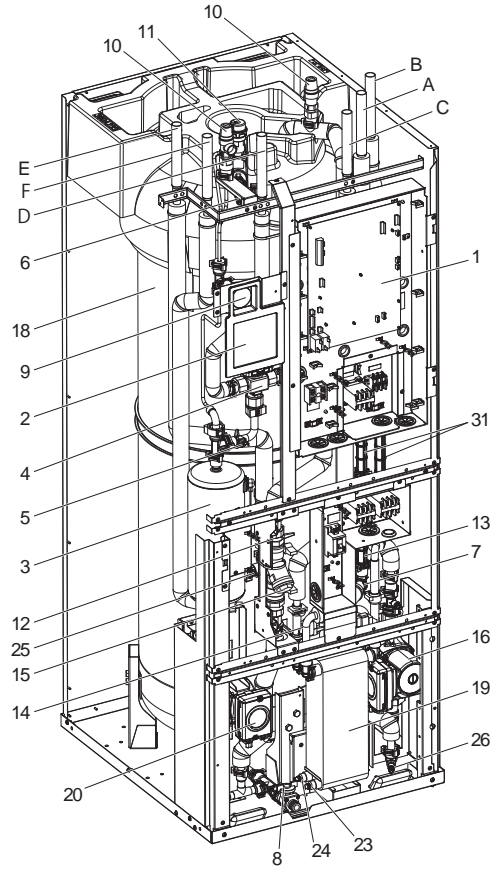


3 Technical Information

Component Parts EHPT20Q-VM2EA



<Figure 3.1>

<Note>
Make sure to correctly install the Mitsubishi Electric Accessory Parts (e.g. Primary expansion vessel, Tundish and Filling loop) in the field. (See Page 8, 12 and 14.)

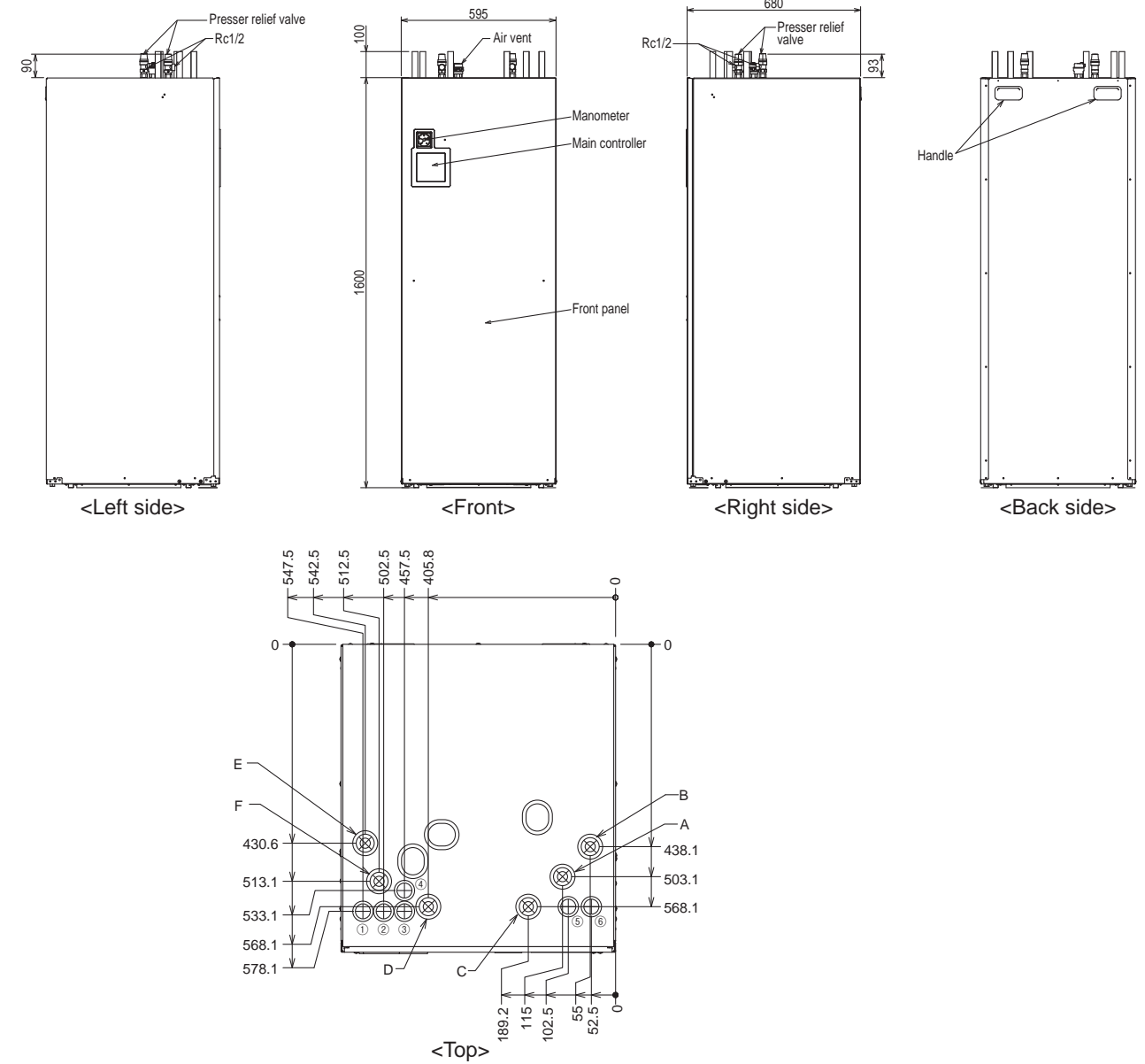
| No. | Part name | EHPT20Q-VM2EA |
|-----|---|---------------|
| A | DHW outlet pipe | ✓ |
| B | Cold water inlet pipe | ✓ |
| C | Water pipe (Space heating return connection) | ✓ |
| D | Water pipe (Space heating flow connection) | ✓ |
| E | Water pipe (Flow from heat pump connection) | ✓ |
| F | Water pipe (Return to heat pump connection) | ✓ |
| 1 | Control and electrical box | ✓ |
| 2 | Main controller | ✓ |
| 3 | Booster heater with thermostat | ✓ |
| 4 | 3-way valve | ✓ |
| 5 | Manual thermostat | ✓ |
| 6 | Manual air vent (above tank) | ✓ |
| 7 | Manual air vent (above pump A) | ✓ |
| 8 | Drain valve (Primary circuit) | ✓ |
| 9 | Manometer | ✓ |
| 10 | Primary pressure relief valve (3bar) | ✓ |
| 11 | Automatic air vent | ✓ |
| 12 | Flow sensor 1 (For space heating) | ✓ |
| 13 | Flow sensor A (Secondary (Potable) circuit) | ✓ |
| 14 | Flow sensor B (Primary circuit) | ✓ |
| 15 | Strainer valve | ✓ |
| 16 | Water circulation pump A (For hot water supply to plate heat exchanger) | ✓ |
| 17 | Pump valve | ✓ |
| 18 | Primary thermal store tank | ✓ |
| 19 | Plate heat exchanger (Water - Water) | ✓ |
| 20 | Water circulation pump 1 (For thermal store and space heating) | ✓ |
| 21 | THW1 (Flow water temp. thermistor) | ✓ |
| 22 | THW2 (Return water temp. thermistor) | ✓ |
| 23 | Drain cock (HEX) (Secondary (Potable) circuit) | ✓ |
| 24 | Drain cock (HEX) (Primary circuit) | ✓ |
| 25 | Drain cock (Booster heater) | ✓ |
| 26 | Drain cock (For pump A) | ✓ |
| 27 | THW5A (Stored water temp. thermistor (upper)) | ✓ |
| 28 | THW5B (Stored water temp. thermistor (lower)) | ✓ |
| 29 | THW3 (Flow water temp. thermistor 2 (to tank)) | ✓ |
| 30 | THW4 (DHW supply temp. thermistor) | ✓ |
| 31 | Electrical isolation pipe | ✓ |
| 32 | Primary expansion vessel (Accessory item) | — |
| 33 | Drain pipe (Local supply) | — |
| 34 | Tundish (Accessory item) | — |
| 35 | Isolating valve (Local supply) | — |
| 36 | Magnetic filter (Local supply) (Recommended) | — |
| 37 | Strainer (Local supply) | — |
| 38 | Filling loop (Ball valves, check valves and flexible hose) (Accessory item) | — |
| 39 | Thermo mix valve (recommended) (Local supply) | — |

<Table 3.2>

3 Technical Information

<Unit: mm>

Technical Drawings



| Letter | Pipe and cable description | Connection size/type | Pipe or cable length (Max.) |
|--------|--|---|-----------------------------|
| A | DHW outlet connection | 22 mm/Compression | — |
| B | Cold water inlet connection | 22 mm/Compression | — |
| C | Space heating return connection | 22 mm/Compression | 65 m |
| D | Space heating flow connection | 22 mm/Compression | 65 m |
| E | Flow from heat pump connection (No plate heat exchanger) | 22 mm/Compression | 15 m |
| F | Return to heat pump connection (No plate heat exchanger) | 22 mm/Compression | 15 m |
| ① | Booster heater inlet (Power cable 230 V) | Run booster heater cable | — |
| ② | Main power inlet (Power cable 230 V) | Run power cable | — |
| ③ | Cylinder unit - outdoor unit cable (Power cable 230V) | Run cylinder unit - outdoor unit cable | 15 m |
| ④ | Output cable inlet | Run output cable | — |
| ⑤ | Signal input cable inlet | Run signal input cables and remote sensor wires | — |
| ⑥ | Wireless receiver and Wi-Fi interface cable inlet | Run wireless receiver cable and ecodan Wi-Fi interface (option) cable | — |

<Table 3.3>