



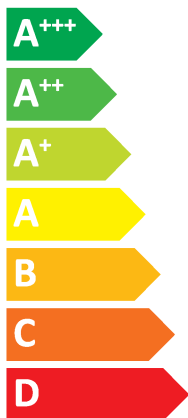
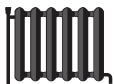
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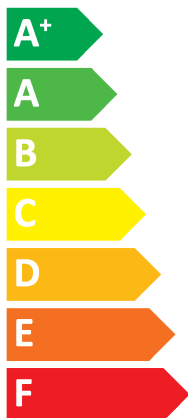


Indoor unit
Outdoor unit

ERST20D-VM6E
SUZ-SWM30VA



A++



A+



41 dB



57 dB



03 kW

04 kW

03 kW

1. SPACE HEATER

| | | SUZ-SWM30VA | | |
|------------------------------------|--|---|--------------|------|
| | 1 | Outdoor unit | | |
| | 2 | Indoor unit | ERST20D-VM6E | |
| For medium-temperature application | 3 | Medium-temperature application | ✓ | |
| | 6 | Seasonal space heating energy efficiency class | A++ | |
| | 8 | Rated heat output under average climate conditions | kW | 4 |
| | 11 | Seasonal space heating energy efficiency under average climate conditions | % | 133 |
| | 9 | For space heating, annual energy consumption under average climate conditions | kWh | 2193 |
| | 13 | Sound power level L _{WA} indoor | dB | 41 |
| | 15 | Rated heat output under colder climate conditions | kW | 3 |
| | 16 | Rated heat output under warmer climate conditions | kW | 3 |
| | 21 | Seasonal space heating energy efficiency under colder climate conditions | % | 113 |
| | 22 | Seasonal space heating energy efficiency under warmer climate conditions | % | 177 |
| | 17 | For space heating, annual energy consumption under colder climate conditions | kWh | 2894 |
| | 18 | For space heating, annual energy consumption under warmer climate conditions | kWh | 893 |
| | 25 | Sound power level L _{WA} outdoor | dB | 57 |
| For low-temperature application | 4 | Low-temperature application | ✓ | |
| | 6 | Seasonal space heating energy efficiency class | A+++ | |
| | 8 | Rated heat output under average climate conditions | kW | 4 |
| | 11 | Seasonal space heating energy efficiency under average climate conditions | % | 195 |
| | 9 | For space heating, annual energy consumption under average climate conditions | kWh | 1670 |
| | 13 | Sound power level L _{WA} indoor | dB | 41 |
| | 15 | Rated heat output under colder climate conditions | kW | 3 |
| | 16 | Rated heat output under warmer climate conditions | kW | 3 |
| | 21 | Seasonal space heating energy efficiency under colder climate conditions | % | 151 |
| | 22 | Seasonal space heating energy efficiency under warmer climate conditions | % | 251 |
| | 17 | For space heating, annual energy consumption under colder climate conditions | kWh | 2055 |
| 18 | For space heating, annual energy consumption under warmer climate conditions | kWh | 630 | |
| 25 | Sound power level L _{WA} outdoor | dB | 57 | |

2. COMBINATION HEATER

| | | SUZ-SWM30VA | | |
|------------------------------------|--|--|--------------|------|
| | 1 | Outdoor unit | | |
| | 2 | Indoor unit | ERST20D-VM6E | |
| For medium-temperature application | 3 | Medium-temperature application | ✓ | |
| | 5 | Declared load profile | L | |
| | 6 | Seasonal space heating energy efficiency class | A++ | |
| | 7 | Water heating energy efficiency class | A+ | |
| | 8 | Rated heat output under average climate conditions | kW | 4 |
| | 9 | For space heating, annual energy consumption under average climate conditions | kWh | 2193 |
| | 10 | For water heating, annual electricity consumption under average climate conditions | kWh | 708 |
| | 11 | Seasonal space heating energy efficiency under average climate conditions | % | 133 |
| | 12 | Water heating energy efficiency under average climate conditions | % | 151 |
| | 13 | Sound power level L _{WA} indoor | dB | 41 |
| | 14 | Work only during off-peak hours | | - |
| | 15 | Rated heat output under colder climate conditions | kW | 3 |
| | 16 | Rated heat output under warmer climate conditions | kW | 3 |
| 17 | For space heating, annual energy consumption under colder climate conditions | kWh | 2894 | |
| 18 | For space heating, annual energy consumption under warmer climate conditions | kWh | 893 | |
| 19 | For water heating, annual energy consumption under colder climate conditions | kWh | 860 | |
| 20 | For water heating, annual energy consumption under warmer climate conditions | kWh | 614 | |
| 21 | Seasonal space heating energy efficiency under colder climate conditions | % | 113 | |
| 22 | Seasonal space heating energy efficiency under warmer climate conditions | % | 177 | |
| 23 | Water heating energy efficiency under colder climate conditions | % | 124 | |
| 24 | Water heating energy efficiency under warmer climate conditions | % | 176 | |
| 25 | Sound power level L _{WA} outdoor | dB | 57 | |
| For low-temperature application | 4 | Low-temperature application | ✓ | |
| | 5 | Declared load profile | L | |
| | 6 | Seasonal space heating energy efficiency class | A+++ | |
| | 7 | Water heating energy efficiency class | A+ | |
| | 8 | Rated heat output under average climate conditions | kW | 4 |
| | 9 | For space heating, annual energy consumption under average climate conditions | kWh | 1670 |
| | 10 | For water heating, annual electricity consumption under average climate conditions | kWh | 708 |
| | 11 | Seasonal space heating energy efficiency under average climate conditions | % | 195 |
| | 12 | Water heating energy efficiency under average climate conditions | % | 151 |
| | 13 | Sound power level L _{WA} indoor | dB | 41 |
| | 14 | Work only during off-peak hours | | - |
| | 15 | Rated heat output under colder climate conditions | kW | 3 |
| | 16 | Rated heat output under warmer climate conditions | kW | 3 |
| | 17 | For space heating, annual energy consumption under colder climate conditions | kWh | 2055 |
| | 18 | For space heating, annual energy consumption under warmer climate conditions | kWh | 630 |
| | 19 | For water heating, annual energy consumption under colder climate conditions | kWh | 860 |
| | 20 | For water heating, annual energy consumption under warmer climate conditions | kWh | 614 |
| 21 | Seasonal space heating energy efficiency under colder climate conditions | % | 151 | |
| 22 | Seasonal space heating energy efficiency under warmer climate conditions | % | 251 | |
| 23 | Water heating energy efficiency under colder climate conditions | % | 124 | |
| 24 | Water heating energy efficiency under warmer climate conditions | % | 176 | |
| 25 | Sound power level L _{WA} outdoor | dB | 57 | |

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

| | | |
|---------------------------------------|---------------|---------------------------------|
| Model(s): | Outdoor unit: | SUZ-SWM30VA |
| | Indoor unit: | ERST20D-VM6E |
| Air-to-water heat pump: | | yes |
| Water-to-water heat pump: | | no |
| Brine-to-water heat pump: | | no |
| Low-temperature heat pump: | | no |
| Equipped with a supplementary heater: | | yes |
| Heat pump combination heater: | | yes |
| Parameters for | | medium-temperature application. |
| Parameters for | | average climate conditions. |

| Item | Symbol | Value | Unit |
|---|----------------------|-------|------|
| Rated heat output (*) | Prated | 3.6 | kW |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | P _{dh} | 3.2 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.99 | |
| T _j = +2°C | P _{dh} | 2.0 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +7°C | P _{dh} | 2.2 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +12°C | P _{dh} | 2.0 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.96 | |
| T _j = bivalent temperature | P _{dh} | 3.6 | kW |
| T _j = operation limit temperature(***) | P _{dh} | 3.6 | kW |
| Bivalent temperature | T _{biv} | -10 | °C |
| Reference design conditions for space heating | T _{designh} | -10 | °C |
| Power consumption in modes other than active mode | | | |
| Off mode | P _{OFF} | 0.010 | kW |
| Thermostat-off mode | P _{TO} | 0.010 | kW |
| Standby mode | P _{SB} | 0.010 | kW |
| Crankcase heater mode | P _{CK} | 0.000 | kW |

| Item | Symbol | Value | Unit |
|---|------------------|-------|------|
| Seasonal space heating energy efficiency | η _s | 133 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | COP _d | 2.27 | |
| T _j = +2°C | COP _d | 3.13 | |
| T _j = +7°C | COP _d | 4.53 | |
| T _j = +12°C | COP _d | 7.17 | |
| T _j = bivalent temperature | COP _d | 1.74 | |
| T _j = operation limit temperature(***) | COP _d | 1.74 | |
| Operation limit temperature | TOL | -25 | °C |
| Heating water operating limit temperature | WTOL | 60 | °C |
| Supplementary heater | | | |
| Rated heat output(*) | P _{sup} | 0.0 | kW |
| Type of energy input | Electrical | | |

| Other items | | | |
|-------------------------------------|-----------------|---------|-----|
| Capacity control | variable | | |
| Sound power level, indoors/outdoors | L _{WA} | 41 / 57 | dB |
| Annual energy consumption | Q _{HE} | 2193 | kWh |

| | | |
|-------------------------------|------|-------------------|
| Rated air flow rate, outdoors | 1680 | m ³ /h |
|-------------------------------|------|-------------------|

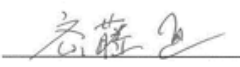
| For heat pump combination heater: | | | |
|-----------------------------------|-------------------|-------|-----|
| Declared load profile | L | | |
| Daily electricity consumption | Q _{elec} | 3.220 | kWh |
| Annual electricity consumption | AEC | 708 | kWh |

| | | | |
|---------------------------------|-----------------|-----|---|
| Water heating energy efficiency | η _{wh} | 151 | % |
|---------------------------------|-----------------|-----|---|

Contact details

MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

The identification and signature of the person empowered to bind the supplier:

 Tadashi SAITO
 Manager, Quality Assurance Department
 THAILAND

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 · Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating P_{designh}, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating sup(T_j).
 (**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.
 (***) If the declared TOL is lower than the T_{designh} of the considered climate then the outdoor dry bulb temperature T_j is equal to T_{designh}.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

| | | |
|---------------------------------------|---------------|------------------------------|
| Model(s): | Outdoor unit: | SUZ-SWM30VA |
| | Indoor unit: | ERST20D-VM6E |
| Air-to-water heat pump: | | yes |
| Water-to-water heat pump: | | no |
| Brine-to-water heat pump: | | no |
| Low-temperature heat pump: | | no |
| Equipped with a supplementary heater: | | yes |
| Heat pump combination heater: | | yes |
| Parameters for | | low-temperature application. |
| Parameters for | | average climate conditions. |

| Item | Symbol | Value | Unit |
|---|----------------------|-------|------|
| Rated heat output (*) | Prated | 4.0 | kW |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | P _{dh} | 3.6 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.99 | |
| T _j = +2°C | P _{dh} | 2.2 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +7°C | P _{dh} | 2.4 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.97 | |
| T _j = +12°C | P _{dh} | 2.4 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.96 | |
| T _j = bivalent temperature | P _{dh} | 4.0 | kW |
| T _j = operation limit temperature(***) | P _{dh} | 4.0 | kW |
| Bivalent temperature | T _{biv} | -10 | °C |
| Reference design conditions for space heating | T _{designh} | -10 | °C |
| Power consumption in modes other than active mode | | | |
| Off mode | P _{OFF} | 0.010 | kW |
| Thermostat-off mode | P _{TO} | 0.010 | kW |
| Standby mode | P _{SB} | 0.010 | kW |
| Crankcase heater mode | P _{CK} | 0.000 | kW |

| Item | Symbol | Value | Unit |
|---|------------------|------------|------|
| Seasonal space heating energy efficiency | η _s | 195 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | COP _d | 3.40 | |
| T _j = +2°C | COP _d | 4.63 | |
| T _j = +7°C | COP _d | 6.51 | |
| T _j = +12°C | COP _d | 9.28 | |
| T _j = bivalent temperature | COP _d | 2.79 | |
| T _j = operation limit temperature(***) | COP _d | 2.79 | |
| Operation limit temperature | TOL | -25 | °C |
| Heating water operating limit temperature | WTOL | 60 | °C |
| Supplementary heater | | | |
| Rated heat output(*) | P _{sup} | 0.0 | kW |
| Type of energy input | | Electrical | |

| Other items | | | |
|-------------------------------------|-----------------|----------|-------------------|
| Capacity control | | variable | |
| Sound power level, indoors/outdoors | L _{WA} | 41 / 57 | dB |
| Annual energy consumption | Q _{HE} | 1670 | kWh |
| Rated air flow rate, outdoors | | | |
| | | 1680 | m ³ /h |

| For heat pump combination heater: | | | |
|-----------------------------------|-------------------|-------|-----|
| Declared load profile | | L | |
| Daily electricity consumption | Q _{elec} | 3.220 | kWh |
| Annual electricity consumption | AEC | 708 | kWh |
| Water heating energy efficiency | | | |
| | η _{wh} | 151 | % |

| Contact details | |
|--|---|
| MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. | 700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand |
| The identification and signature of the person empowered to bind the supplier: | |
| The signature is signed in the average climate / medium-temperature section. | Tadashi SAITO Manager, Quality Assurance Department THAILAND |

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 · Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

| | | |
|---------------------------------------|---------------|---------------------------------|
| Model(s): | Outdoor unit: | SUZ-SWM30VA |
| | Indoor unit: | ERST20D-VM6E |
| Air-to-water heat pump: | | yes |
| Water-to-water heat pump: | | no |
| Brine-to-water heat pump: | | no |
| Low-temperature heat pump: | | no |
| Equipped with a supplementary heater: | | yes |
| Heat pump combination heater: | | yes |
| Parameters for | | medium-temperature application. |
| Parameters for | | colder climate conditions. |

| Item | Symbol | Value | Unit |
|---|----------------------|-------|------|
| Rated heat output (*) | Prated | 3.4 | kW |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | P _{dh} | 2.1 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.99 | |
| T _j = +2°C | P _{dh} | 1.8 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +7°C | P _{dh} | 2.2 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +12°C | P _{dh} | 2.3 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.97 | |
| T _j = bivalent temperature | P _{dh} | 2.8 | kW |
| T _j = operation limit temperature(***) | P _{dh} | 3.1 | kW |
| T _j = -15°C (if TOL < -20°C) | P _{dh} | 2.8 | kW |
| Bivalent temperature | T _{biv} | -15 | °C |
| Reference design conditions for space heating | T _{designh} | -22 | °C |
| Power consumption in modes other than active mode | | | |
| Off mode | P _{OFF} | 0.010 | kW |
| Thermostat-off mode | P _{TO} | 0.010 | kW |
| Standby mode | P _{SB} | 0.010 | kW |
| Crankcase heater mode | P _{CK} | 0.000 | kW |

| Item | Symbol | Value | Unit |
|---|------------------|-------|------|
| Seasonal space heating energy efficiency | η _s | 113 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | COP _d | 2.48 | |
| T _j = +2°C | COP _d | 3.39 | |
| T _j = +7°C | COP _d | 4.84 | |
| T _j = +12°C | COP _d | 7.14 | |
| T _j = bivalent temperature | COP _d | 1.78 | |
| T _j = operation limit temperature(***) | COP _d | 1.60 | |
| T _j = -15°C (if TOL < -20°C) | COP _d | 1.78 | |
| Operation limit temperature | TOL | -18 | °C |
| Heating water operating limit temperature | WTOL | 60 | °C |
| Supplementary heater | | | |
| Rated heat output(*) | P _{sup} | 3.4 | kW |
| Type of energy input | Electrical | | |

| Other items | | | |
|-------------------------------------|-----------------|---------|-------------------|
| Capacity control | variable | | |
| Sound power level, indoors/outdoors | L _{WA} | 41 / 57 | dB |
| Annual energy consumption | Q _{HE} | 2894 | kWh |
| Rated air flow rate, outdoors | | | |
| | | 1680 | m ³ /h |

| For heat pump combination heater: | | | |
|-----------------------------------|-------------------|-----------------|-------|
| Declared load profile | L | | |
| Daily electricity consumption | Q _{elec} | 3.910 | kWh |
| Annual electricity consumption | AEC | 860 | kWh |
| Water heating energy efficiency | | | |
| | | η _{wh} | 124 % |

| Contact details | | | |
|--|--|---|--|
| MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. | | 700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand | |
| The identification and signature of the person empowered to bind the supplier: | | | |
| The signature is signed in the average climate / medium-temperature section. | | Tadashi SAITO Manager, Quality Assurance Department THAILAND | |

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 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

| | | |
|---------------------------------------|---------------|------------------------------|
| Model(s): | Outdoor unit: | SUZ-SWM30VA |
| | Indoor unit: | ERST20D-VM6E |
| Air-to-water heat pump: | | yes |
| Water-to-water heat pump: | | no |
| Brine-to-water heat pump: | | no |
| Low-temperature heat pump: | | no |
| Equipped with a supplementary heater: | | yes |
| Heat pump combination heater: | | yes |
| Parameters for | | low-temperature application. |
| Parameters for | | colder climate conditions. |

| Item | Symbol | Value | Unit |
|---|----------------------|-------|------|
| Rated heat output (*) | Prated | 3.2 | kW |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | P _{dh} | 2.3 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +2°C | P _{dh} | 1.9 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +7°C | P _{dh} | 2.3 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = +12°C | P _{dh} | 2.4 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.97 | |
| T _j = bivalent temperature | P _{dh} | 2.6 | kW |
| T _j = operation limit temperature(***) | P _{dh} | 2.9 | kW |
| T _j = -15°C (if TOL < -20°C) | P _{dh} | 2.6 | kW |
| Bivalent temperature | T _{biv} | -15 | °C |
| Reference design conditions for space heating | T _{designh} | -22 | °C |
| Power consumption in modes other than active mode | | | |
| Off mode | P _{OFF} | 0.010 | kW |
| Thermostat-off mode | P _{TO} | 0.010 | kW |
| Standby mode | P _{SB} | 0.010 | kW |
| Crankcase heater mode | P _{CK} | 0.000 | kW |

| Item | Symbol | Value | Unit |
|---|------------------|-------|------|
| Seasonal space heating energy efficiency | η _s | 151 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = -7°C | COP _d | 3.40 | |
| T _j = +2°C | COP _d | 4.37 | |
| T _j = +7°C | COP _d | 5.85 | |
| T _j = +12°C | COP _d | 8.14 | |
| T _j = bivalent temperature | COP _d | 2.46 | |
| T _j = operation limit temperature(***) | COP _d | 1.92 | |
| T _j = -15°C (if TOL < -20°C) | COP _d | 2.46 | |
| Operation limit temperature | TOL | -25 | °C |
| Heating water operating limit temperature | WTOL | 60 | °C |
| Supplementary heater | | | |
| Rated heat output(*) | P _{sup} | 0.3 | kW |
| Type of energy input | Electrical | | |

| Other items | | | |
|-------------------------------------|-----------------|---------|-------------------|
| Capacity control | variable | | |
| Sound power level, indoors/outdoors | L _{WA} | 41 / 57 | dB |
| Annual energy consumption | Q _{HE} | 2055 | kWh |
| Rated air flow rate, outdoors | | | |
| | | 1680 | m ³ /h |

| For heat pump combination heater: | | | |
|-----------------------------------|-------------------|-----------------|-------|
| Declared load profile | L | | |
| Daily electricity consumption | Q _{elec} | 3.910 | kWh |
| Annual electricity consumption | AEC | 860 | kWh |
| Water heating energy efficiency | | | |
| | | η _{wh} | 124 % |

| Contact details | |
|--|---|
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| The identification and signature of the person empowered to bind the supplier: | |
| The signature is signed in the average climate / medium-temperature section. | Tadashi SAITO Manager, Quality Assurance Department THAILAND |

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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

| | | |
|---------------------------------------|---------------|---------------------------------|
| Model(s): | Outdoor unit: | SUZ-SWM30VA |
| | Indoor unit: | ERST20D-VM6E |
| Air-to-water heat pump: | | yes |
| Water-to-water heat pump: | | no |
| Brine-to-water heat pump: | | no |
| Low-temperature heat pump: | | no |
| Equipped with a supplementary heater: | | yes |
| Heat pump combination heater: | | yes |
| Parameters for | | medium-temperature application. |
| Parameters for | | warmer climate conditions. |

| Item | Symbol | Value | Unit |
|---|----------------------|-------|------|
| Rated heat output (*) | Prated | 3.0 | kW |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = - 7°C | P _{dh} | - | kW |
| Degradation co-efficient(**) | C _{dh} | - | |
| T _j = + 2°C | P _{dh} | 3.0 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.99 | |
| T _j = + 7°C | P _{dh} | 2.1 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = + 12°C | P _{dh} | 2.3 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.97 | |
| T _j = bivalent temperature | P _{dh} | 3.0 | kW |
| T _j = operation limit temperature(***) | P _{dh} | 3.0 | kW |
| Bivalent temperature | T _{biv} | 2 | °C |
| Reference design conditions for space heating | T _{designh} | 2 | °C |
| Power consumption in modes other than active mode | | | |
| Off mode | P _{OFF} | 0.010 | kW |
| Thermostat-off mode | P _{TO} | 0.010 | kW |
| Standby mode | P _{SB} | 0.010 | kW |
| Crankcase heater mode | P _{CK} | 0.000 | kW |

| Item | Symbol | Value | Unit |
|---|------------------|------------|------|
| Seasonal space heating energy efficiency | η _s | 177 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = - 7°C | COP _d | - | |
| T _j = + 2°C | COP _d | 2.47 | |
| T _j = + 7°C | COP _d | 3.60 | |
| T _j = + 12°C | COP _d | 6.44 | |
| T _j = bivalent temperature | COP _d | 2.47 | |
| T _j = operation limit temperature(***) | COP _d | 2.47 | |
| Operation limit temperature | TOL | -25 | °C |
| Heating water operating limit temperature | WTOL | 60 | °C |
| Supplementary heater | | | |
| Rated heat output(*) | P _{sup} | 0.0 | kW |
| Type of energy input | | Electrical | |

| Other items | | | |
|-------------------------------------|-----------------|----------|-------------------|
| Capacity control | | variable | |
| Sound power level, indoors/outdoors | L _{WA} | 41 / 57 | dB |
| Annual energy consumption | Q _{HE} | 893 | kWh |
| Rated air flow rate, outdoors | | | |
| | | 1680 | m ³ /h |

| For heat pump combination heater: | | | |
|-----------------------------------|-------------------|-----------------|-------|
| Declared load profile | | L | |
| Daily electricity consumption | Q _{elec} | 2.790 | kWh |
| Annual electricity consumption | AEC | 614 | kWh |
| Water heating energy efficiency | | | |
| | | η _{wh} | 176 % |

| | | | |
|--|--|---|--|
| Contact details | | | |
| MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. | | 700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand | |
| The identification and signature of the person empowered to bind the supplier: | | | |
| The signature is signed in the average climate / medium-temperature section. | | Tadashi SAITO Manager, Quality Assurance Department THAILAND | |

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 · Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

| | | |
|---------------------------------------|---------------|------------------------------|
| Model(s): | Outdoor unit: | SUZ-SWM30VA |
| | Indoor unit: | ERST20D-VM6E |
| Air-to-water heat pump: | | yes |
| Water-to-water heat pump: | | no |
| Brine-to-water heat pump: | | no |
| Low-temperature heat pump: | | no |
| Equipped with a supplementary heater: | | yes |
| Heat pump combination heater: | | yes |
| Parameters for | | low-temperature application. |
| Parameters for | | warmer climate conditions. |

| Item | Symbol | Value | Unit |
|---|----------------------|-------|------|
| Rated heat output (*) | Prated | 3.0 | kW |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = - 7°C | P _{dh} | - | kW |
| Degradation co-efficient(**) | C _{dh} | - | |
| T _j = + 2°C | P _{dh} | 3.0 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.99 | |
| T _j = + 7°C | P _{dh} | 2.4 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.98 | |
| T _j = + 12°C | P _{dh} | 2.3 | kW |
| Degradation co-efficient(**) | C _{dh} | 0.97 | |
| T _j = bivalent temperature | P _{dh} | 3.0 | kW |
| T _j = operation limit temperature(***) | P _{dh} | 3.0 | kW |
| Bivalent temperature | T _{biv} | 2 | °C |
| Reference design conditions for space heating | T _{designh} | 2 | °C |
| Power consumption in modes other than active mode | | | |
| Off mode | P _{OFF} | 0.010 | kW |
| Thermostat-off mode | P _{TO} | 0.010 | kW |
| Standby mode | P _{SB} | 0.010 | kW |
| Crankcase heater mode | P _{CK} | 0.000 | kW |

| Item | Symbol | Value | Unit |
|---|------------------|------------|------|
| Seasonal space heating energy efficiency | η _s | 251 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j = - 7°C | COP _d | - | |
| T _j = + 2°C | COP _d | 3.91 | |
| T _j = + 7°C | COP _d | 5.96 | |
| T _j = + 12°C | COP _d | 7.86 | |
| T _j = bivalent temperature | COP _d | 3.91 | |
| T _j = operation limit temperature(***) | COP _d | 3.91 | |
| Operation limit temperature | TOL | -25 | °C |
| Heating water operating limit temperature | WTOL | 60 | °C |
| Supplementary heater | | | |
| Rated heat output(*) | P _{sup} | 0.0 | kW |
| Type of energy input | | Electrical | |

| Other items | | | |
|-------------------------------------|-----------------|----------|-----|
| Capacity control | | variable | |
| Sound power level, indoors/outdoors | L _{WA} | 41 / 57 | dB |
| Annual energy consumption | Q _{HE} | 630 | kWh |

| | | | |
|-------------------------------|--|------|-------------------|
| Rated air flow rate, outdoors | | 1680 | m ³ /h |
|-------------------------------|--|------|-------------------|

| For heat pump combination heater: | | | |
|-----------------------------------|-------------------|-------|-----|
| Declared load profile | | L | |
| Daily electricity consumption | Q _{elec} | 2.790 | kWh |
| Annual electricity consumption | AEC | 614 | kWh |

| | | | |
|---------------------------------|-----------------|-----|---|
| Water heating energy efficiency | η _{wh} | 176 | % |
|---------------------------------|-----------------|-----|---|

Contact details

MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

The identification and signature of the person empowered to bind the supplier:

The signature is signed in the average climate / medium-temperature section.

Tadashi SAITO
 Manager, Quality Assurance Department
 THAILAND

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
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 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.