



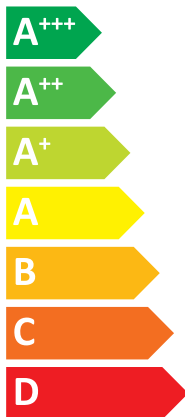
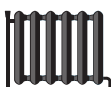
# ENERG

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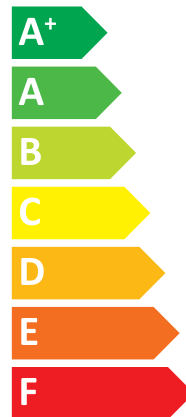
Y IJA  
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Indoor unit ERST17/20D-\*\*\*\*D  
Outdoor unit SUZ-SHWM30VAH



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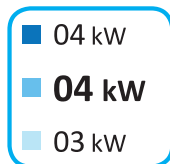
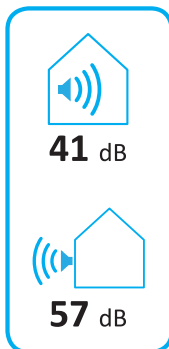




Table 1: SPACE HEATER. Columns: 1 (Outdoor unit), 2 (Indoor unit), 3-25 (Medium-temperature application), 4-25 (Low-temperature application). Rows include models like SUZ-SWM30VA, SUZ-SHM30VAH, SUZ-SWM40VA2(-SC), SUZ-SHM40VAH(-SC), SUZ-SWM60VA2(-SC), SUZ-SHM60VAH(-SC), SUZ-SWM80VA2, SUZ-SHM80VAH, SUZ-SWM100VA, SUZ-SHM100VAH.

Table 2: COMBINATION HEATER. Columns: 1 (Outdoor unit), 2 (Indoor unit), 3-25 (Medium-temperature application), 4-25 (Low-temperature application). Rows include models like SUZ-SWM30VA, SUZ-SHM30VAH, SUZ-SWM40VA2(-SC), SUZ-SHM40VAH(-SC), SUZ-SWM60VA2(-SC), SUZ-SHM60VAH(-SC), SUZ-SWM80VA2, SUZ-SHM80VAH, SUZ-SWM100VA, SUZ-SHM100VAH.

|    | English  | Deutsch   | Français  | Italiano  | Español  |
|----|--|---|---|---|--|
|    | Nederlands<br>suomi  | Svenska<br>Čeština  | Dansk<br>Български  | Português<br>Polski   | Ελληνικά<br>-  |
| 1  | Outdoor unit<br>buitenunit<br>Ulkoyksikkö  | Außengerät<br>Utomhusenhet<br>Venkovní jednotka   | unité extérieure<br>Udenørs enhed<br>Външно тяло  | unità esterna<br>unidad exterior<br>jednostka zewnętrzna  | unidad exterior<br>Εξωτερική μονάδα<br>-   |
| 2  | Indoor unit<br>binnenunit<br>Sisäyksikkö   | Innengerät<br>Inomhusenhet<br>Vnitřní jednotka  | unité intérieure<br>Indenørs enhed<br>Вътрешно тяло   | unità interna<br>unidad interior<br>jednostka wewnętrzna  | unidad interior<br>Εσωτερική μονάδα<br>-   |
| 3  | Medium-temperature application<br>middentemperatuur-toepassing<br>keskilämpötilan sovellus   | Mitteltemperaturanwendung<br>mediumtemperaturopplikation<br>středněteplotní aplikace  | l'application à moyenne température<br>middeltemperatuuravendelsen<br>среднотемпературното приложение   | le applicazioni a media temperatura<br>a aplicação a média temperatura<br>zastosowania w średnich temperaturach   | la aplicación de media temperatura<br>η εφαρμογή σε μέση θερμοκρασία<br>-  |
| 4  | Low-temperature application<br>lagetemperatuur-toepassing<br>matalanlämpötilan sovellus  | Niedertemperaturanwendung<br>lägtemperaturopplikation<br>nízkoteplotní aplikace   | l'application à basse température<br>lavtemperatuuravendelsen<br>нискотемпературни приложения   | le applicazioni a bassa temperatura<br>a aplicação a baixa temperatura<br>zastosowania w niskich temperaturach  | la aplicación de baja temperatura<br>η εφαρμογή σε χαμηλή θερμοκρασία<br>-   |
| 5  | Declared load profile<br>Opgegeven capaciteitsprofiel<br>Ilmoitettu kuormitusprofiili  | Angegebenes Lastprofil<br>Deklarerad belastningsprofil<br>Deklarovaný zátěžový profil   | Profil de soutirage déclaré<br>Angivet forbrugsprofil<br>Объявлен товаров профил  | Profilo di carico dichiarato<br>Perfil de carga declarado<br>Deklarowany profil obciążenia  | Perfil de carga declarado<br>Δηλωμένο προφίλ φορτίου<br>-  |
| 6  | Seasonal space heating energy efficiency class<br>de seizoengebonden energie-efficiëntieklasse voor ruimteverwarming<br>tilalämmityksen kausittainen energiatehokkuusluokka  | die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz<br>säsongrelaterade energieeffektivitetsklass vid rumsuppvärmning<br>trída sezonní energetické účinnosti vytápění   | la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux<br>klassen for årsvirkningsgrad ved rumopvarmning<br>класът на сезонната отоплителна енергийна ефективност   | la classe di efficienza energetica stagionale del riscaldamento d'ambiente<br>A classe de eficiência energética do aquecimento ambiente sazonal<br>klasa sezonowej efektywności energetycznej ogrzewania pomieszczeń  | la clase de eficiencia energética estacional de calefacción<br>η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου<br>-  |
| 7  | Water heating energy efficiency class<br>de energie-efficiëntieklasse voor waterverwarming<br>vedenlämmityksen energiatehokkuusluokka  | die Klasse für die Warmwasserbereitungs-Energieeffizienz<br>energieeffektivitetsklass vid vattenuppvärmning<br>trída energetické účinnosti ohřevu vody  | la classe d'efficacité énergétique, pour le chauffage de l'eau<br>klassen for årsvirkningsgrad ved vandopvarmning<br>класът на енергийната ефективност при подгряване на вода   | la classe di efficienza energetica del riscaldamento dell'acqua<br>A classe de eficiência energética do aquecimento de água<br>klasa efektywności energetycznej podgrzewania wody   | la clase de eficiencia energética del caldeo de agua<br>η τάξη ενεργειακής απόδοσης θέρμανσης νερού<br>-   |
| 8  | Rated heat output under average climate conditions<br>de nominale warmteafgifte(onder gemiddelde klimaatomstandigheden)<br>nimellislämpöteho(keskimääräisissä ilmasto-olosuhteissa)  | die Wärmenenleistung bei durchschnittlichen Klimaverhältnissen<br>Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)<br>jmenovitý tepelný výkon(za průměrných klimatických podmínek)  | la puissance thermique nominale dans les conditions climatiques moyennes<br>den nominella nytteeffekt(under genomsnittliga klimaförhållanden)<br>номиналната топлинна мощност(при средни климатични условия)  | la potenza termica nominale(in condizioni climatiche medie)<br>A potência calorífica nominal(em condições climáticas médias)<br>znamięnowa moc cieplna(w warunkach klimatu umiarkowanego)   | la potencia calorífica nominal(en condiciones climáticas medias)<br>η ονομαστική θερμική ισχύς(υπό μέσες κλιματικές συνθήκες)<br>-   |
| 9  | For space heating, annual energy consumption under average climate conditions<br>voor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde klimaatomstandigheden)<br>tilalämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmasto-olosuhteissa)           | für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhältnissen<br>För rumsuppvärmning, årlig energiförbrukning(vid genomsnittliga klimatförhållanden)<br>pro vytápění – roční spotřeba energie za průměrných klimatických podmínek                  | pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)<br>for rumopvarmning det årlige energiforbrug(under gennemsnitlige klimaförhållanden)<br>за отопление, годишното потребление на енергия(при средни климатични условия)               | per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche medie)<br>Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas médias)<br>w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii(w warunkach klimatu umiarkowanego)                 | para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)<br>για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές συνθήκες)<br>-                  |
| 10 | For water heating, annual electricity consumption under average climate conditions<br>voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)<br>vedenlämmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmasto-olosuhteissa) | für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen<br>För vattenuppvärmning, årlig elförbrukning(vid genomsnittliga klimatförhållanden)<br>pro ohřev vody – roční spotřeba elektrické energie za průměrných klimatických podmínek | pour le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions climatiques moyennes)<br>for vandopvarmning det årlige elforbrug(under gennemsnitlige klimaförhållanden)<br>за подгряване на вода, годишното потребление(при средни климатични условия)                  | per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)<br>para o aquecimento de água, o consumo anual de electricidade(em condições climáticas médias)<br>w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach klimatu umiarkowanego)    | para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)<br>για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές συνθήκες)<br>-     |
| 11 | Seasonal space heating energy efficiency under average climate conditions<br>de seizoengebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde klimaatomstandigheden)<br>tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)      | die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen<br>Säsongmedelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållanden)<br>sezonní energetická účinnost vytápění za průměrných klimatických podmínek                  | l'efficacité énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)<br>årsvirkningsgraden ved rumopvarmning(under gennemsnitlige klimaförhållanden)<br>сезонната енергийна ефективност при отопление(при средни климатични условия)                     | l'efficienza energetica stagionale di riscaldamento d'ambiente(in condizioni climatiche medie)<br>A eficiência energética do aquecimento ambiente sazonal(em condições climáticas médias)<br>sezonowa efektywność energetyczna ogrzewania pomieszczeń(w warunkach klimatu umiarkowanego)                      | la eficiencia energética estacional de calefacción(en condiciones climáticas medias)<br>η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)<br>-                     |
| 12 | Water heating energy efficiency under average climate conditions<br>de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden)<br>vedenlämmityksen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)  | die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen<br>Energieeffektivitet ved vattenuppvärmning(vid genomsnittliga klimatförhållanden)<br>energetická účinnost ohřevu vody za průměrných klimatických podmínek                                     | l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques moyennes)<br>energieeffektiviteten ved vandopvarmning(under gennemsnitlige klimaförhållanden)<br>енергийната ефективност при подгряване на вода(при средни климатични условия)                              | l'efficienza energetica di riscaldamento dell'acqua(in condizioni climatiche medie)<br>a eficiência energética do aquecimento de água(em condições climáticas médias)<br>efektywność energetyczna podgrzewania wody(w warunkach klimatu umiarkowanego)  | la eficiencia energética del caldeo de agua(en condiciones climáticas medias)<br>η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες)<br>-  |
| 13 | Sound power level L <sub>WA</sub> indoor<br>het geluidsvermogensniveau L <sub>WA</sub> binnen<br>äänitehotaso L <sub>WA</sub> sisällä  | der Schalleistungspegel L <sub>WA</sub> in Gebäuden<br>Ljudeffektivnivå L <sub>WA</sub> i inomhus<br>hladina akustického výkonu L <sub>WA</sub> ve vnitřním prostoru  | le niveau de puissance acoustique L <sub>WA</sub> , à l'intérieur<br>lydeeffektivniveau L <sub>WA</sub> inde<br>ниводо на звуковата мощност L <sub>WA</sub> на закрито  | il livello di potenza sonora L <sub>WA</sub> all'interno<br>O nível de potência sonora L <sub>WA</sub> no interior<br>poziom mocy akustycznej L <sub>WA</sub> w pomieszczeniu   | el nivel de potencia acústica L <sub>WA</sub> en interiores<br>η στάθμη ηχητικής ισχύος L <sub>WA</sub> εσωτερικού χώρου<br>-  |
| 14 | Work only during off-peak hours<br>werken uitsluitend in de daluren<br>toimimaan ainoastaan kulutushuippujen ulkopuolella  | drivas uteslutande under perioder med låg belastning<br>provozu pouze mimo špičku   | fungere uden for spidsbelastningsperioder<br>работи само в часовете извън върховото натоварване   | de funcionar unicamente fora das horas de pico<br>pracować jedynie w godzinach poza szczytowym obciążeniem  | funcionar solamente durante las horas de baja demanda<br>λειτουργία μόνο εκτός των ωρών αιχμής<br>-  |
| 15 | Rated heat output under colder climate conditions<br>de nominale warmteafgifte, onder koudere klimaatomstandigheden<br>nimellislämpöteho, kylmissä ilmasto-olosuhteissa  | die Wärmenenleistung bei kälteren Klimaverhältnissen<br>Nominell avgiven värmeeffekt vid kallare klimatförhållanden<br>jmenovitý tepelný výkon za chladnějších klimatických podmínek  | la puissance thermique nominale, dans les conditions climatiques plus froides<br>den nominelle nytteeffekt under koldere klimaförhållanden<br>номиналната топлинна мощност при по-студени климатични условия  | la potenza termica nominale, in condizioni climatiche più fredde<br>A potência calorífica nominal em condições climáticas mais frias<br>znamięnowa moc cieplna w warunkach klimatu chłodnego  | la potencia calorífica nominal en condiciones climáticas más frías<br>η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες<br>-   |
| 16 | Rated heat output under warmer climate conditions<br>de nominale warmteafgifte, onder warmere klimaatomstandigheden<br>nimellislämpöteho, lämpimissä ilmasto-olosuhteissa  | die Wärmenenleistung bei wärmeren Klimaverhältnissen<br>Nominell avgiven värmeeffekt vid varmare klimatförhållanden<br>jmenovitý tepelný výkon za teplejších klimatických podmínek  | la puissance thermique nominale, dans les conditions climatiques plus chaudes<br>den nominelle nytteeffekt under varmere klimaförhållanden<br>номиналната топлинна мощност при по-топли климатични условия  | la potenza termica nominale, in condizioni climatiche più calde<br>A potência calorífica nominal em condições climáticas mais quentes<br>znamięnowa moc cieplna w warunkach klimatu ciepłego  | la potencia calorífica nominal en condiciones climáticas más cálidas<br>η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες<br>-   |
| 17 | For space heating, annual energy consumption under colder climate conditions<br>voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere klimaatomstandigheden<br>tilalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa                         | für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen<br>För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden<br>pro vytápění – roční spotřeba energie za chladnějších klimatických podmínek                                 | pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides<br>for rumopvarmning det årlige energiforbrug under koldere klimaförhållanden<br>за отопление, годишното потребление на енергия при по-студени климатични условия                | per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde<br>Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais frias<br>w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu chłodnego              | para calentar espacios, el consumo anual de energía en condiciones climáticas más frías<br>για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες<br>-               |
| 18 | For space heating, annual energy consumption under warmer climate conditions<br>voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatomstandigheden<br>tilalämmityksestä vuotuinen energiankulutus lämpimissä ilmasto-olosuhteissa                       | für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen<br>För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden<br>pro vytápění – roční spotřeba energie za teplejších klimatických podmínek                                   | pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes<br>for rumopvarmning det årlige energiforbrug under varmere klimaförhållanden<br>за отопление, годишното потребление на енергия при по-топли климатични условия                  | per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più calde<br>Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais quentes<br>w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ciepłego              | para calentar espacios, el consumo anual de energía en condiciones climáticas más cálidas<br>για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικές συνθήκες<br>-             |
| 19 | For water heating, annual energy consumption under colder climate conditions<br>voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere klimaatomstandigheden<br>vedenlämmityksestä vuotuinen sähkönkulutus kylmissä ilmasto-olosuhteissa                    | für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhältnissen<br>För vattenuppvärmning, årlig elförbrukning under kallare klimatförhållanden<br>pro ohřev vody – roční spotřeba elektrické energie za chladnějších klimatických podmínek                | pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides<br>for vandopvarmning det årlige elforbrug under koldere klimaförhållanden<br>за подгряване на вода, годишното потребление на електроенергия при по-студени климатични условия | per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde<br>para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais frias<br>w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach klimatu chłodnego | para calentar agua, el consumo anual de electricidad en condiciones climáticas más frías<br>για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικές συνθήκες<br>-   |
| 20 | For water heating, annual energy consumption under warmer climate conditions<br>voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden<br>vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa                  | für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhältnissen<br>För vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden<br>pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek                  | pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus chaudes<br>for vandopvarmning det årlige elforbrug under varmere klimaförhållanden<br>за подгряване на вода, годишното потребление на електроенергия при по-топли климатични условия   | per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più calde<br>para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais quentes<br>w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach klimatu ciepłego | para calentar agua, el consumo anual de electricidad en condiciones climáticas más cálidas<br>για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές συνθήκες<br>- |
| 21 | Seasonal space heating energy efficiency under colder climate conditions<br>de seizoengebonden energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden<br>tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa                    | die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen<br>Säsongmedelverkningsgrad för rumsuppvärmning under kallare klimatförhållanden<br>sezonní energetická účinnost vytápění za chladnějších klimatických podmínek                                | l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides<br>årsvirkningsgraden ved rumopvarmning under koldere klimaförhållanden<br>сезонната енергийна ефективност при отопление при по-студени климатични условия                      | l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più fredde<br>A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais frias<br>sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chłodnego                    | la eficiencia energética estacional de calefacción en condiciones climáticas más frías<br>η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιματικές συνθήκες<br>-               |
| 22 | Seasonal space heating energy efficiency under warmer climate conditions<br>de seizoengebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden<br>tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa                  | die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen<br>Säsongmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden<br>sezonní energetická účinnost vytápění za teplejších klimatických podmínek                                  | l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes<br>årsvirkningsgraden ved rumopvarmning under varmere klimaförhållanden<br>сезонната енергийна ефективност при отопление при по-топли климатични условия                        | l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più calde<br>A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes<br>sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepłego                    | la eficiencia energética estacional de calefacción en condiciones climáticas más cálidas<br>η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθήκες<br>-             |
| 23 | Water heating energy efficiency under colder climate conditions<br>de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden<br>vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa  | die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen<br>Energieeffektivitet ved vattenuppvärmning under kallare klimatförhållanden<br>energetická účinnost ohřevu vody za chladnějších klimatických podmínek   | l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides<br>energieeffektiviteten ved vandopvarmning under koldere klimaförhållanden<br>енергийната ефективност при подгряване на вода при по-студени климатични условия                               | l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde<br>a eficiencia energética do aquecimento de água em condições climáticas mais frias<br>efektywność energetyczna podgrzewania wody w warunkach klimatu chłodnego  | la eficiencia energética de caldeo de agua en condiciones climáticas más frías<br>η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθήκες<br>-                                 |
| 24 | Water heating energy efficiency under warmer climate conditions<br>de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden<br>vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa  | die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen<br>Energieeffektivitet ved vattenuppvärmning under varmare klimatförhållanden<br>energetická účinnost ohřevu vody za teplejších klimatických podmínek   | l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes<br>energieeffektiviteten ved vandopvarmning under varmere klimaförhållanden<br>енергийната ефективност при подгряване на вода при по-топли климатични условия                                 | l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde<br>a eficiencia energética do aquecimento de água em condições climáticas mais quentes<br>efektywność energetyczna podgrzewania wody w warunkach klimatu ciepłego  | la eficiencia energética de caldeo de agua en condiciones climáticas más cálidas<br>η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκες<br>-                               |
| 25 | Sound power level L <sub>WA</sub> outdoor<br>het geluidsvermogensniveau L <sub>WA</sub> buiten<br>äänitehotaso L <sub>WA</sub> ulkona  | der Schalleistungspegel L <sub>WA</sub> im Freien<br>Ljudeffektivnivå L <sub>WA</sub> i utomhus<br>hladina akustického výkonu L <sub>WA</sub> ve venkovním prostoru   | le niveau de puissance acoustique L <sub>WA</sub> à l'extérieur<br>lydeeffektivniveau L <sub>WA</sub> i ude<br>ниводо на звуковата мощност L <sub>WA</sub> на открито   | il livello di potenza sonora L <sub>WA</sub> all'esterno<br>O nível de potência sonora L <sub>WA</sub> no exterior<br>poziom mocy akustycznej L <sub>WA</sub> na zewnątrz   | el nivel de potencia acústica L <sub>WA</sub> en exteriores<br>η στάθμη ηχητικής ισχύος L <sub>WA</sub> εξωτερικού χώρου<br>-  |



PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

|                                       |               |                                 |
|---------------------------------------|---------------|---------------------------------|
| Model(s):                             | Outdoor unit: | SUZ-SHWM30VAH                   |
|                                       | Indoor unit:  | ERST17D-****D                   |
| 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 | Item   | Symbol          | Value | Unit |
|--|------------------|-------|------|--|-----------------|-------|------|
| Rated heat output (*)  | Prated           | 3.6   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 126   | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |                 |       |      |
| Tj = - 7 °C  | Pdh              | 3.2   | kW   | Tj = - 7 °C  | COPd            | 2.18  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd            | 2.87  | -    |
| Tj = + 2 °C  | Pdh              | 2.0   | kW   | Tj = + 7 °C  | COPd            | 4.53  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd            | 7.17  | -    |
| Tj = + 7 °C  | Pdh              | 2.2   | kW   | Tj = bivalent temperature  | COPd            | 1.69  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd            | 1.69  | -    |
| Tj = +12 °C  | Pdh              | 2.0   | kW   | Operation limit temperature  | TOL             | -25   | °C   |
| Degradation co-efficient (**)  | Cdh              | 0.96  | -    | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = bivalent temperature  | Pdh              | 3.6   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 3.6   | kW   | Rated heat output (*)  | Psup            | 0.0   | kW   |
| Bivalent temperature   | Tbiv             | -10   | °C   | Type of energy input   | Electrical      |       |      |
| Reference design conditions for space heating  | Tdesignh         | -10   | °C   | Power consumption in modes other than active mode  |                 |       |      |
| Power consumption in modes other than active mode  |                  |       |      | Off mode   |                 |       |      |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.010 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Standby mode   | P <sub>SB</sub> | 0.010 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | Crankcase heater mode  | P <sub>CK</sub> | 0.000 | kW   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Other items  |                 |       |      |
| Capacity control   |                  |       |      | Rated air flow rate, outdoors  |                 |       |      |
| variable   |                  |       |      | -  |                 |       |      |
| Sound power level, indoors/outdoors  |                  |       |      | 1680   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 57  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 2311   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| For heat pump combination heater:  |                  |       |      | Declared load profile  |                 |       |      |
| L  |                  |       |      | Water heating energy efficiency  |                 |       |      |
| Daily electricity consumption  |                  |       |      | $\eta_{wh}$  |                 |       |      |
| Q <sub>elec</sub>  |                  |       |      | 147  |                 |       |      |
| 3.530  |                  |       |      | %  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 776  |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
| 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 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-SHWM30VAH                |
|                                       | Indoor unit:  | ERST17D-****D                |
| 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 | Item   | Symbol     | Value | Unit              |
|--|------------------|-------|------|--|------------|-------|-------------------|
| Rated heat output (*)  | Prated           | 4.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 184   | %                 |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |            |       |                   |
| Tj = - 7 °C  | Pdh              | 3.6   | kW   | Tj = - 7 °C  | COPd       | 3.23  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd       | 4.19  | -                 |
| Tj = + 2 °C  | Pdh              | 2.2   | kW   | Tj = + 7 °C  | COPd       | 6.62  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = +12 °C  | COPd       | 9.51  | -                 |
| Tj = + 7 °C  | Pdh              | 2.4   | kW   | Tj = bivalent temperature  | COPd       | 2.69  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Tj = operation limit temperature (***)   | COPd       | 2.69  | -                 |
| Tj = +12 °C  | Pdh              | 2.4   | kW   | Operation limit temperature  | TOL        | -25   | °C                |
| Degradation co-efficient (**)  | Cdh              | 0.96  | -    | Heating water operating limit temperature  | WTOL       | 60    | °C                |
| Tj = bivalent temperature  | Pdh              | 4.0   | kW   | Supplementary heater   |            |       |                   |
| Tj = operation limit temperature (***)   | Pdh              | 4.0   | kW   | Rated heat output (*)  | Psup       | 0.0   | kW                |
| Bivalent temperature   | Tbiv             | -10   | °C   | Type of energy input   | Electrical |       |                   |
| Reference design conditions for space heating  | Tdesignh         | -10   | °C   | Other items  |            |       |                   |
| Power consumption in modes other than active mode  |                  |       |      | Rated air flow rate, outdoors  |            |       |                   |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   |  |            | 1680  | m <sup>3</sup> /h |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Capacity control   |            |       |                   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | variable   |            |       |                   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |       |                   |
|  |                  |       |      | L <sub>WA</sub>  |            |       |                   |
|  |                  |       |      | 41 / 57  |            |       |                   |
|  |                  |       |      | Annual energy consumption  |            |       |                   |
|  |                  |       |      | Q <sub>HE</sub>  |            |       |                   |
|  |                  |       |      | 1766   |            |       |                   |
|  |                  |       |      | kWh  |            |       |                   |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 147 | % |
| Daily electricity consumption     | Qelec | 3.530 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 776   | kWh |                                 |             |     |   |

Contact details  
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The identification and signature of the person empowered to bind the supplier;  
 Tadashi SAITO  
 Manager, Quality Assurance Department  
 THAILAND

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

· 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-SHWM30VAH                   |
|                                       | Indoor unit:  | ERST17D-****D                   |
| 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 | Item   | Symbol          | Value   | Unit              |
|--|------------------|-------|------|--|-----------------|---------|-------------------|
| Rated heat output (*)  | Prated           | 3.6   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 105     | %                 |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |                 |         |                   |
| Tj = - 7 °C  | Pdh              | 2.1   | kW   | Tj = - 7 °C  | COPd            | 2.31    | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd            | 3.05    | -                 |
| Tj = + 2 °C  | Pdh              | 1.8   | kW   | Tj = + 7 °C  | COPd            | 4.84    | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = +12 °C  | COPd            | 7.14    | -                 |
| Tj = + 7 °C  | Pdh              | 2.2   | kW   | Tj = bivalent temperature  | COPd            | 1.70    | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd            | 1.54    | -                 |
| Tj = +12 °C  | Pdh              | 2.3   | kW   | Tj = - 15 °C (if TOL < - 20 °C)  | COPd            | 1.70    | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Operation limit temperature  | TOL             | -25     | °C                |
| Tj = bivalent temperature  | Pdh              | 2.9   | kW   | Heating water operating limit temperature  | WTOL            | 60      | °C                |
| Tj = operation limit temperature (***)   | Pdh              | 3.2   | kW   | Supplementary heater   |                 |         |                   |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh              | 2.9   | kW   | Rated heat output (*)  | Psup            | 3.6     | kW                |
| Bivalent temperature   | Tbiv             | -15   | °C   | Type of energy input   | Electrical      |         |                   |
| Reference design conditions for space heating  | Tdesignh         | -22   | °C   | Power consumption in modes other than active mode  |                 |         |                   |
| Power consumption in modes other than active mode  |                  |       |      | Other items  |                 |         |                   |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   | Capacity control   | variable        |         |                   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Sound power level, indoors/outdoors  | L <sub>WA</sub> | 41 / 57 | dB(A)             |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | Annual energy consumption  | Q <sub>HE</sub> | 3285    | kWh               |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Rated air flow rate, outdoors  | -               | 1680    | m <sup>3</sup> /h |
| Other items  |                  |       |      | For heat pump combination heater:  |                 |         |                   |
| Capacity control   |                  |       |      | Declared load profile  |                 |         |                   |
| Sound power level, indoors/outdoors  |                  |       |      | L  |                 |         |                   |
| Annual energy consumption  |                  |       |      | Daily electricity consumption  |                 |         |                   |
| Declared load profile  |                  |       |      | Qelec  |                 |         |                   |
| Sound power level, indoors/outdoors  |                  |       |      | AEC  |                 |         |                   |
| Annual energy consumption  |                  |       |      | Annual electricity consumption   |                 |         |                   |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 121 | % |
| Daily electricity consumption     | Qelec | 4.030 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 886   | kWh |                                 |             |     |   |

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

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

· 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-SHWM30VAH                |
|                                       | Indoor unit:  | ERST17D-****D                |
| 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  | Item   | Symbol     | Value             | Unit |
|--|-------------------|---------|-------|--|------------|-------------------|------|
| Rated heat output (*)  | Prated            | 3.6     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 139               | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                   |         |       | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |            |                   |      |
| Tj = - 7 °C  | Pdh               | 2.3     | kW    | Tj = - 7 °C  | COPd       | 3.14              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.99    | -     | Tj = + 2 °C  | COPd       | 3.91              | -    |
| Tj = + 2 °C  | Pdh               | 1.9     | kW    | Tj = + 7 °C  | COPd       | 5.94              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.98    | -     | Tj = +12 °C  | COPd       | 8.32              | -    |
| Tj = + 7 °C  | Pdh               | 2.3     | kW    | Tj = bivalent temperature  | COPd       | 2.28              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.97    | -     | Tj = operation limit temperature (***)   | COPd       | 1.85              | -    |
| Tj = +12 °C  | Pdh               | 2.4     | kW    | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 2.28              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.97    | -     | Operation limit temperature  | TOL        | -25               | °C   |
| Tj = bivalent temperature  | Pdh               | 2.9     | kW    | Heating water operating limit temperature  | WTOL       | 60                | °C   |
| Tj = operation limit temperature (***)   | Pdh               | 2.9     | kW    | Supplementary heater   |            |                   |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh               | 2.9     | kW    | Rated heat output (*)  | Psup       | 0.7               | kW   |
| Bivalent temperature   | Tbiv              | -15     | °C    | Type of energy input   | Electrical |                   |      |
| Reference design conditions for space heating  | Tdesignh          | -22     | °C    | Power consumption in modes other than active mode  |            |                   |      |
| Off mode   |                   |         |       | P <sub>OFF</sub>   |            |                   |      |
| Thermostat-off mode  |                   |         |       | P <sub>TO</sub>  |            |                   |      |
| Standby mode   |                   |         |       | P <sub>SB</sub>  |            |                   |      |
| Crankcase heater mode  |                   |         |       | P <sub>CK</sub>  |            |                   |      |
| Other items  |                   |         |       | Rated air flow rate, outdoors  |            |                   |      |
| Capacity control   | variable          |         |       | -  | 1680       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub>   | 41 / 57 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub>   | 2499    | kWh   |  |            |                   |      |
| For heat pump combination heater:  |                   |         |       | Water heating energy efficiency  |            |                   |      |
| Declared load profile  | L                 |         |       | $\eta_{wh}$  | 121        | %                 |      |
| Daily electricity consumption  | Q <sub>elec</sub> | 4.030   | kWh   |  |            |                   |      |
| Annual electricity consumption   | AEC               | 886     | kWh   |  |            |                   |      |

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
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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<br>Manager, Quality Assurance Department<br>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-SHWM30VAH                   |
|                                       | Indoor unit:  | ERST17D-****D                   |
| 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 | Item   | Symbol     | Value | Unit              |
|--|------------------|-------|------|--|------------|-------|-------------------|
| Rated heat output (*)  | Prated           | 3.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 176   | %                 |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |            |       |                   |
| Tj = - 7 °C  | Pdh              | -     | kW   | Tj = - 7 °C  | COPd       | -     | -                 |
| Degradation co-efficient (**)  | Cdh              | -     | -    | Tj = + 2 °C  | COPd       | 2.36  | -                 |
| Tj = + 2 °C  | Pdh              | 3.0   | kW   | Tj = + 7 °C  | COPd       | 3.60  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd       | 6.44  | -                 |
| Tj = + 7 °C  | Pdh              | 2.1   | kW   | Tj = bivalent temperature  | COPd       | 2.36  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd       | 2.36  | -                 |
| Tj = +12 °C  | Pdh              | 2.3   | kW   | Operation limit temperature  | TOL        | -25   | °C                |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Heating water operating limit temperature  | WTOL       | 60    | °C                |
| Tj = bivalent temperature  | Pdh              | 3.0   | kW   | Supplementary heater   |            |       |                   |
| Tj = operation limit temperature (***)   | Pdh              | 3.0   | kW   | Rated heat output (*)  | Psup       | 0.0   | kW                |
| Bivalent temperature   | Tbiv             | 2     | °C   | Type of energy input   | Electrical |       |                   |
| Reference design conditions for space heating  | Tdesignh         | 2     | °C   | Other items  |            |       |                   |
| Power consumption in modes other than active mode  |                  |       |      | Rated air flow rate, outdoors  |            |       |                   |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   |  |            | 1680  | m <sup>3</sup> /h |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Capacity control   |            |       |                   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | variable   |            |       |                   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |       |                   |
|  |                  |       |      | L <sub>WA</sub>  |            |       |                   |
|  |                  |       |      | 41 / 57  |            |       |                   |
|  |                  |       |      | Annual energy consumption  |            |       |                   |
|  |                  |       |      | Q <sub>HE</sub>  |            |       |                   |
|  |                  |       |      | 896  |            |       |                   |
|  |                  |       |      | kWh  |            |       |                   |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 169 | % |
| Daily electricity consumption     | Qelec | 3.220 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 709   | kWh |                                 |             |     |   |

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
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| The identification and signature of the person empowered to bind the supplier; |  |  |  |   |  |  |  |
|  |  |  |  | Tadashi SAITO   |  |  |  |
| The signature is signed in the average climate / medium-temperature section.   |  |  |  | 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-SHWM30VAH                |
|                                       | Indoor unit:  | ERST17D-****D                |
| 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 | Item   | Symbol     | Value | Unit              |
|--|------------------|-------|------|--|------------|-------|-------------------|
| Rated heat output (*)  | Prated           | 3.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 254   | %                 |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |            |       |                   |
| Tj = - 7 °C  | Pdh              | -     | kW   | Tj = - 7 °C  | COPd       | -     | -                 |
| Degradation co-efficient (**)  | Cdh              | -     | -    | Tj = + 2 °C  | COPd       | 3.65  | -                 |
| Tj = + 2 °C  | Pdh              | 3.0   | kW   | Tj = + 7 °C  | COPd       | 6.04  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd       | 8.03  | -                 |
| Tj = + 7 °C  | Pdh              | 2.4   | kW   | Tj = bivalent temperature  | COPd       | 3.65  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd       | 3.65  | -                 |
| Tj = +12 °C  | Pdh              | 2.3   | kW   | Operation limit temperature  | TOL        | -25   | °C                |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Heating water operating limit temperature  | WTOL       | 60    | °C                |
| Tj = bivalent temperature  | Pdh              | 3.0   | kW   | Supplementary heater   |            |       |                   |
| Tj = operation limit temperature (***)   | Pdh              | 3.0   | kW   | Rated heat output (*)  | Psup       | 0.0   | kW                |
| Bivalent temperature   | Tbiv             | 2     | °C   | Type of energy input   | Electrical |       |                   |
| Reference design conditions for space heating  | Tdesignh         | 2     | °C   | Other items  |            |       |                   |
| Power consumption in modes other than active mode  |                  |       |      | Rated air flow rate, outdoors  |            |       |                   |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   |  |            | 1680  | m <sup>3</sup> /h |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Capacity control   |            |       |                   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | variable   |            |       |                   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |       |                   |
|  |                  |       |      | L <sub>WA</sub>  |            |       |                   |
|  |                  |       |      | 41 / 57  |            |       |                   |
|  |                  |       |      | Annual energy consumption  |            |       |                   |
|  |                  |       |      | Q <sub>HE</sub>  |            |       |                   |
|  |                  |       |      | 624  |            |       |                   |
|  |                  |       |      | kWh  |            |       |                   |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 169 | % |
| Daily electricity consumption     | Qelec | 3.220 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 709   | kWh |                                 |             |     |   |

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
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|  |  |  |  | Tadashi SAITO   |  |  |  |
| The signature is signed in the average climate / medium-temperature section.   |  |  |  | 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-SHWM30VAH                   |
|                                       | Indoor unit:  | ERST20D-****D                   |
| 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 | Item   | Symbol          | Value | Unit |
|--|------------------|-------|------|--|-----------------|-------|------|
| Rated heat output (*)  | Prated           | 3.6   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 126   | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |                 |       |      |
| Tj = - 7 °C  | Pdh              | 3.2   | kW   | Tj = - 7 °C  | COPd            | 2.18  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd            | 2.87  | -    |
| Tj = + 2 °C  | Pdh              | 2.0   | kW   | Tj = + 7 °C  | COPd            | 4.53  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd            | 7.17  | -    |
| Tj = + 7 °C  | Pdh              | 2.2   | kW   | Tj = bivalent temperature  | COPd            | 1.69  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd            | 1.69  | -    |
| Tj = +12 °C  | Pdh              | 2.0   | kW   | Operation limit temperature  | TOL             | -25   | °C   |
| Degradation co-efficient (**)  | Cdh              | 0.96  | -    | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = bivalent temperature  | Pdh              | 3.6   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 3.6   | kW   | Rated heat output (*)  | Psup            | 0.0   | kW   |
| Bivalent temperature   | Tbiv             | -10   | °C   | Type of energy input   | Electrical      |       |      |
| Reference design conditions for space heating  | Tdesignh         | -10   | °C   | Power consumption in modes other than active mode  |                 |       |      |
| Power consumption in modes other than active mode  |                  |       |      | Off mode   |                 |       |      |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.010 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Standby mode   | P <sub>SB</sub> | 0.010 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | Crankcase heater mode  | P <sub>CK</sub> | 0.000 | kW   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Other items  |                 |       |      |
| Capacity control   |                  |       |      | Rated air flow rate, outdoors  |                 |       |      |
| variable   |                  |       |      | -  |                 |       |      |
| Sound power level, indoors/outdoors  |                  |       |      | 1680   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 57  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 2311   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| For heat pump combination heater:  |                  |       |      | Declared load profile  |                 |       |      |
| L  |                  |       |      | Water heating energy efficiency  |                 |       |      |
| Daily electricity consumption  |                  |       |      | $\eta_{wh}$  |                 |       |      |
| Q <sub>elec</sub>  |                  |       |      | 147  |                 |       |      |
| 3.730  |                  |       |      | %  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 821  |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

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

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-SHWM30VAH                |
|                                       | Indoor unit:  | ERST20D-****D                |
| 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 | Item   | Symbol          | Value | Unit |
|--|------------------|-------|------|--|-----------------|-------|------|
| Rated heat output (*)  | Prated           | 4.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 184   | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |                 |       |      |
| Tj = - 7 °C  | Pdh              | 3.6   | kW   | Tj = - 7 °C  | COPd            | 3.23  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd            | 4.19  | -    |
| Tj = + 2 °C  | Pdh              | 2.2   | kW   | Tj = + 7 °C  | COPd            | 6.62  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = +12 °C  | COPd            | 9.51  | -    |
| Tj = + 7 °C  | Pdh              | 2.4   | kW   | Tj = bivalent temperature  | COPd            | 2.69  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Tj = operation limit temperature (***)   | COPd            | 2.69  | -    |
| Tj = +12 °C  | Pdh              | 2.4   | kW   | Operation limit temperature  | TOL             | -25   | °C   |
| Degradation co-efficient (**)  | Cdh              | 0.96  | -    | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = bivalent temperature  | Pdh              | 4.0   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 4.0   | kW   | Rated heat output (*)  | Psup            | 0.0   | kW   |
| Bivalent temperature   | Tbiv             | -10   | °C   | Type of energy input   | Electrical      |       |      |
| Reference design conditions for space heating  | Tdesignh         | -10   | °C   | Power consumption in modes other than active mode  |                 |       |      |
| Power consumption in modes other than active mode  |                  |       |      | Off mode   |                 |       |      |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.010 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Standby mode   | P <sub>SB</sub> | 0.010 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | Crankcase heater mode  | P <sub>CK</sub> | 0.000 | kW   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Other items  |                 |       |      |
| Capacity control   |                  |       |      | Rated air flow rate, outdoors  |                 |       |      |
| variable   |                  |       |      | -  |                 |       |      |
| Sound power level, indoors/outdoors  |                  |       |      | 1680   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 57  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 1766   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 147 | % |
| Daily electricity consumption     | Qelec | 3.730 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 821   | kWh |                                 |             |     |   |

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-SHWM30VAH                   |
|                                       | Indoor unit:  | ERST20D-****D                   |
| 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 | Item   | Symbol          | Value | Unit |
|--|------------------|-------|------|--|-----------------|-------|------|
| Rated heat output (*)  | Prated           | 3.6   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 105   | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |                 |       |      |
| Tj = - 7 °C  | Pdh              | 2.1   | kW   | Tj = - 7 °C  | COPd            | 2.31  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd            | 3.05  | -    |
| Tj = + 2 °C  | Pdh              | 1.8   | kW   | Tj = + 7 °C  | COPd            | 4.84  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = +12 °C  | COPd            | 7.14  | -    |
| Tj = + 7 °C  | Pdh              | 2.2   | kW   | Tj = bivalent temperature  | COPd            | 1.70  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd            | 1.54  | -    |
| Tj = +12 °C  | Pdh              | 2.3   | kW   | Tj = - 15 °C (if TOL < - 20 °C)  | COPd            | 1.70  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Operation limit temperature  | TOL             | -25   | °C   |
| Tj = bivalent temperature  | Pdh              | 2.9   | kW   | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = operation limit temperature (***)   | Pdh              | 3.2   | kW   | Supplementary heater   |                 |       |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh              | 2.9   | kW   | Rated heat output (*)  | Psup            | 3.6   | kW   |
| Bivalent temperature   | Tbiv             | -15   | °C   | Type of energy input   | Electrical      |       |      |
| Reference design conditions for space heating  | Tdesignh         | -22   | °C   | Power consumption in modes other than active mode  |                 |       |      |
| Power consumption in modes other than active mode  |                  |       |      | Off mode   |                 |       |      |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.010 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Standby mode   | P <sub>SB</sub> | 0.010 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | Crankcase heater mode  | P <sub>CK</sub> | 0.000 | kW   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Other items  |                 |       |      |
| Capacity control   |                  |       |      | Rated air flow rate, outdoors  |                 |       |      |
| variable   |                  |       |      | -  |                 |       |      |
| Sound power level, indoors/outdoors  |                  |       |      | 1680   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 57  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 3285   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| For heat pump combination heater:  |                  |       |      | Declared load profile  |                 |       |      |
| L  |                  |       |      | Water heating energy efficiency  |                 |       |      |
| Daily electricity consumption  |                  |       |      | $\eta_{wh}$  |                 |       |      |
| Q <sub>elec</sub>  |                  |       |      | 127  |                 |       |      |
| 4.020  |                  |       |      | %  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 883  |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
| 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<br>Manager, Quality Assurance Department<br>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-SHWM30VAH                |
|                                       | Indoor unit:  | ERST20D-****D                |
| 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  | Item   | Symbol     | Value             | Unit |
|--|-------------------|---------|-------|--|------------|-------------------|------|
| Rated heat output (*)  | Prated            | 3.6     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 139               | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                   |         |       | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |            |                   |      |
| Tj = - 7 °C  | Pdh               | 2.3     | kW    | Tj = - 7 °C  | COPd       | 3.14              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.99    | -     | Tj = + 2 °C  | COPd       | 3.91              | -    |
| Tj = + 2 °C  | Pdh               | 1.9     | kW    | Tj = + 7 °C  | COPd       | 5.94              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.98    | -     | Tj = +12 °C  | COPd       | 8.32              | -    |
| Tj = + 7 °C  | Pdh               | 2.3     | kW    | Tj = bivalent temperature  | COPd       | 2.28              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.97    | -     | Tj = operation limit temperature (***)   | COPd       | 1.85              | -    |
| Tj = +12 °C  | Pdh               | 2.4     | kW    | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 2.28              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.97    | -     | Operation limit temperature  | TOL        | -25               | °C   |
| Tj = bivalent temperature  | Pdh               | 2.9     | kW    | Heating water operating limit temperature  | WTOL       | 60                | °C   |
| Tj = operation limit temperature (***)   | Pdh               | 2.9     | kW    | Supplementary heater   |            |                   |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh               | 2.9     | kW    | Rated heat output (*)  | Psup       | 0.7               | kW   |
| Bivalent temperature   | Tbiv              | -15     | °C    | Type of energy input   | Electrical |                   |      |
| Reference design conditions for space heating  | Tdesignh          | -22     | °C    | Power consumption in modes other than active mode  |            |                   |      |
| Off mode   |                   |         |       | P <sub>OFF</sub>   |            |                   |      |
| Thermostat-off mode  |                   |         |       | P <sub>TO</sub>  |            |                   |      |
| Standby mode   |                   |         |       | P <sub>SB</sub>  |            |                   |      |
| Crankcase heater mode  |                   |         |       | P <sub>CK</sub>  |            |                   |      |
| Other items  |                   |         |       | Rated air flow rate, outdoors  |            |                   |      |
| Capacity control   | variable          |         |       | -  | 1680       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub>   | 41 / 57 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub>   | 2499    | kWh   |  |            |                   |      |
| For heat pump combination heater:  |                   |         |       | Water heating energy efficiency  |            |                   |      |
| Declared load profile  | L                 |         |       | $\eta_{wh}$  | 127        | %                 |      |
| Daily electricity consumption  | Q <sub>elec</sub> | 4.020   | kWh   |  |            |                   |      |
| Annual electricity consumption   | AEC               | 883     | kWh   |  |            |                   |      |

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
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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-SHWM30VAH                   |
|                                       | Indoor unit:  | ERST20D-****D                   |
| 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 | Item   | Symbol     | Value | Unit |
|--|----------|-------|------|--|------------|-------|------|
| Rated heat output (*)  | Prated   | 3.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 176   | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |          |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |            |       |      |
| Tj = - 7 °C  | Pdh      | -     | kW   | Tj = - 7 °C  | COPd       | -     | -    |
| Degradation co-efficient (**)  | Cdh      | -     | -    | Tj = + 2 °C  | COPd       | 2.36  | -    |
| Tj = + 2 °C  | Pdh      | 3.0   | kW   | Tj = + 7 °C  | COPd       | 3.60  | -    |
| Degradation co-efficient (**)  | Cdh      | 0.99  | -    | Tj = +12 °C  | COPd       | 6.44  | -    |
| Tj = + 7 °C  | Pdh      | 2.1   | kW   | Tj = bivalent temperature  | COPd       | 2.36  | -    |
| Degradation co-efficient (**)  | Cdh      | 0.98  | -    | Tj = operation limit temperature (***)   | COPd       | 2.36  | -    |
| Tj = +12 °C  | Pdh      | 2.3   | kW   | Operation limit temperature  | TOL        | -25   | °C   |
| Degradation co-efficient (**)  | Cdh      | 0.97  | -    | Heating water operating limit temperature  | WTOL       | 60    | °C   |
| Tj = bivalent temperature  | Pdh      | 3.0   | kW   | Supplementary heater   |            |       |      |
| Tj = operation limit temperature (***)   | Pdh      | 3.0   | kW   | Rated heat output (*)  | Psup       | 0.0   | kW   |
| Bivalent temperature   | Tbiv     | 2     | °C   | Type of energy input   | Electrical |       |      |
| Reference design conditions for space heating  | Tdesignh | 2     | °C   | Power consumption in modes other than active mode  |            |       |      |
| Off mode   |          |       |      | P <sub>OFF</sub>   |            |       |      |
| Thermostat-off mode  |          |       |      | P <sub>TO</sub>  |            |       |      |
| Standby mode   |          |       |      | P <sub>SB</sub>  |            |       |      |
| Crankcase heater mode  |          |       |      | P <sub>CK</sub>  |            |       |      |
| Capacity control   |          |       |      | variable   |            |       |      |
| Sound power level, indoors/outdoors  |          |       |      | L <sub>WA</sub>  |            |       |      |
| Annual energy consumption  |          |       |      | Q <sub>HE</sub>  |            |       |      |
| Rated air flow rate, outdoors  |          |       |      | -  |            |       |      |
| Rated air flow rate, outdoors  |          |       |      | 1680   |            |       |      |
| Rated air flow rate, outdoors  |          |       |      | m <sup>3</sup> /h  |            |       |      |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 173 | % |
| Daily electricity consumption     | Qelec | 3.250 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 714   | kWh |                                 |             |     |   |

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

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

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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-SHWM30VAH                |
|                                       | Indoor unit:  | ERST20D-****D                |
| 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 | Item   | Symbol          | Value | Unit |
|--|------------------|-------|------|--|-----------------|-------|------|
| Rated heat output (*)  | Prated           | 3.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 254   | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |                 |       |      |
| Tj = - 7 °C  | Pdh              | -     | kW   | Tj = - 7 °C  | COPd            | -     | -    |
| Degradation co-efficient (**)  | Cdh              | -     | -    | Tj = + 2 °C  | COPd            | 3.65  | -    |
| Tj = + 2 °C  | Pdh              | 3.0   | kW   | Tj = + 7 °C  | COPd            | 6.04  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd            | 8.03  | -    |
| Tj = + 7 °C  | Pdh              | 2.4   | kW   | Tj = bivalent temperature  | COPd            | 3.65  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd            | 3.65  | -    |
| Tj = +12 °C  | Pdh              | 2.3   | kW   | Operation limit temperature  | TOL             | -25   | °C   |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = bivalent temperature  | Pdh              | 3.0   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 3.0   | kW   | Rated heat output (*)  | Psup            | 0.0   | kW   |
| Bivalent temperature   | Tbiv             | 2     | °C   | Type of energy input   | Electrical      |       |      |
| Reference design conditions for space heating  | Tdesignh         | 2     | °C   | Power consumption in modes other than active mode  |                 |       |      |
| Power consumption in modes other than active mode  |                  |       |      | Off mode   |                 |       |      |
| Off mode   | P <sub>OFF</sub> | 0.010 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.010 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.010 | kW   | Standby mode   | P <sub>SB</sub> | 0.010 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.010 | kW   | Crankcase heater mode  | P <sub>CK</sub> | 0.000 | kW   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Other items  |                 |       |      |
| Capacity control   |                  |       |      | Rated air flow rate, outdoors  |                 |       |      |
| variable   |                  |       |      | -  |                 |       |      |
| Sound power level, indoors/outdoors  |                  |       |      | 1680   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 57  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 624  |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

|                                   |  |  |  |                                 |  |  |  |
|-----------------------------------|--|--|--|---------------------------------|--|--|--|
| For heat pump combination heater: |  |  |  |                                 |  |  |  |
| Declared load profile             |  |  |  | Water heating energy efficiency |  |  |  |
| L                                 |  |  |  | $\eta_{wh}$                     |  |  |  |
| Daily electricity consumption     |  |  |  | 173                             |  |  |  |
| Q <sub>elec</sub>                 |  |  |  | %                               |  |  |  |
| 3.250                             |  |  |  |                                 |  |  |  |
| Annual electricity consumption    |  |  |  |                                 |  |  |  |
| AEC                               |  |  |  |                                 |  |  |  |
| 714                               |  |  |  |                                 |  |  |  |
| kWh                               |  |  |  |                                 |  |  |  |

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