



**ENERG**

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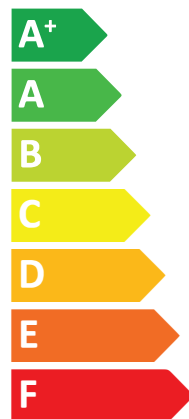
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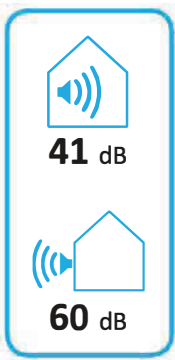
Indoor unit EHST17/20D-\*\*\*\*D  
Outdoor unit SUZ-SWM80VAH2



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1. SPACE HEATER

Table with columns for Outdoor unit, Indoor unit, and various performance metrics (3-25) for medium-temperature and low-temperature applications. Rows include models like SUZ-SWM30VA, SUZ-SHM30VAH, etc.

2. COMBINATION HEATER

Large table with columns for Outdoor unit, Indoor unit, and various performance metrics (3-25) for medium-temperature and low-temperature applications. Rows include models like SUZ-SWM30VA, SUZ-SHM30VAH, etc.

|    | 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>Udendørs enhed<br>Външно тяло   | unità esterna<br>unidade exterior<br>jednostka zewnętrzna   | unidad exterior<br>Εξωτερική μονάδα<br>-   |
| 2  | Indoor unit<br>binnunit<br>Sisäyksikkö   | Innengerät<br>Inomhusenhet<br>Vnitřní jednotka  | unité intérieure<br>Indendørs enhed<br>Вътрешно тяло  | unità interna<br>unidade interior<br>jednostka wewnętrzna   | unidad interior<br>Εσωτερική μονάδα<br>-   |
| 3  | Medium-temperature application<br>middentemperatuur-toepassing<br>keskilämpötilan sovellus   | Mitteltemperaturanwendung<br>mediumtemperatuurapplicatie<br>středněteplotní aplikace  | l'application à moyenne température<br>middeltemperatuuravvendelsen<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>lågetemperatuur-toepassing<br>matalanlämpötilan sovellus  | Niedertemperaturanwendung<br>lågetemperatuurapplicatie<br>nízkoteplotní aplikace  | l'application à basse température<br>lavtemperatuuravvendelsen<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 товаро 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 seizoensgebonden energie-efficiëntieklasse voor ruimteverwarming<br>tilalämmityksen kausittainen energiatehokkuusluokka   | die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz<br>säsongrelaterade energieeffektivitetsklass vid rumsuppvärmning<br>řídná sezonní energetická účinnost vytápění  | la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux<br>klassen for årsvirkningsgrad ved rumopvarmning<br>классът 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>řídná energetická účinnost ohřevu vody   | la classe d'efficacité énergétique, pour le chauffage de l'eau<br>klassen for årsvirkningsgrad ved vandopvarmning<br>классът на енергийната ефективност при подграване 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>nimellämpöteho(keskimääräisissä ilmasto-olosuhteissa)   | die Wärmenennleistung 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 avgivna värmeeffekt(under genomsnittliga klimaförhållanden)<br>номиналната топлинна мощност(при средни климатични условия)  | A 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 подграване 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 seizoensgebonden 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 vid 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 подграване 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>Ljudeffektnivå 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>lydeeffektniveau 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   |
| 15 | Rated heat output under colder climate conditions<br>de nominale warmteafgifte, onder koudere klimaatomstandigheden<br>nimellämpöteho, kylmissä ilmasto-olosuhteissa   | die Wärmenennleistung 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  | A 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>nimellämpöteho, lämpimissä ilmasto-olosuhteissa   | die Wärmenennleistung 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  | A 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 подграване 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 подграване 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 seizoensgebonden 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 seizoensgebonden 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 vid 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 подграване на вода при по-студени климатични условия                               | l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde<br>a eficiência 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 vid 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 подграване на вода при по-топли климатични условия                                 | l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde<br>a eficiência 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>Ljudeffektnivå 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>lydeeffektniveau 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-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST20D-****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            | 7.0     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 128               | %    |
| 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               | 6.2     | kW    | Tj = -7 °C   | COPd       | 1.81              | -    |
| Degradation co-efficient (**)  | Cdh               | 1.00    | -     | Tj = +2 °C   | COPd       | 3.25              | -    |
| Tj = +2 °C   | Pdh               | 3.8     | kW    | Tj = +7 °C   | COPd       | 4.69              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.99    | -     | Tj = +12 °C  | COPd       | 6.67              | -    |
| Tj = +7 °C   | Pdh               | 3.1     | kW    | Tj = bivalent temperature  | COPd       | 1.81              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.98    | -     | Tj = operation limit temperature (***)   | COPd       | 1.58              | -    |
| Tj = +12 °C  | Pdh               | 3.9     | 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               | 6.2     | kW    | Supplementary heater   |            |                   |      |
| Tj = operation limit temperature (***)   | Pdh               | 5.8     | kW    | Rated heat output (*)  | Psup       | 1.2               | kW   |
| Bivalent temperature   | Tbiv              | -7      | °C    | Type of energy input   | Electrical |                   |      |
| Reference design conditions for space heating  | Tdesignh          | -10     | °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          |         |       | -  | 2790       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub>   | 41 / 60 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub>   | 4401    | kWh   |  |            |                   |      |
| For heat pump combination heater:  |                   |         |       | Water heating energy efficiency  |            |                   |      |
| Declared load profile  | L                 |         |       | $\eta_{wh}$  | 152        | %                 |      |
| Daily electricity consumption  | Q <sub>elec</sub> | 3.210   | kWh   |  |            |                   |      |
| Annual electricity consumption   | AEC               | 707     | 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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST20D-****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           | 6.6   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 175   | %    |
| 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              | 5.9   | kW   | Tj = - 7 °C  | COPd            | 2.86  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd            | 4.35  | -    |
| Tj = + 2 °C  | Pdh              | 4.4   | kW   | Tj = + 7 °C  | COPd            | 6.22  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd            | 7.38  | -    |
| Tj = + 7 °C  | Pdh              | 3.4   | kW   | Tj = bivalent temperature  | COPd            | 2.23  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Tj = operation limit temperature (***)   | COPd            | 2.23  | -    |
| Tj = +12 °C  | Pdh              | 3.7   | 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              | 6.6   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 6.6   | 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> | 0.015 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.015 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Standby mode   | P <sub>SB</sub> | 0.015 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | 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  |                  |       |      | 2790   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 60  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 3070   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| For heat pump combination heater:  |                  |       |      |  |                 |       |      |
| Declared load profile  |                  |       |      | Water heating energy efficiency  |                 |       |      |
| L  |                  |       |      | $\eta_{wh}$  |                 |       |      |
| Daily electricity consumption  |                  |       |      | 152  |                 |       |      |
| Q <sub>elec</sub>  |                  |       |      | %  |                 |       |      |
| 3.210  |                  |       |      |  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 707  |                  |       |      |  |                 |       |      |
| 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   |                 |       |      |

|                                     |  |  |  |                                 |  |  |  |
|-------------------------------------|--|--|--|---------------------------------|--|--|--|
| Other items                         |  |  |  |                                 |  |  |  |
| Capacity control                    |  |  |  | Rated air flow rate, outdoors   |  |  |  |
| variable                            |  |  |  | -                               |  |  |  |
| Sound power level, indoors/outdoors |  |  |  | 2790                            |  |  |  |
| L <sub>WA</sub>                     |  |  |  | m <sup>3</sup> /h               |  |  |  |
| 41 / 60                             |  |  |  |                                 |  |  |  |
| Annual energy consumption           |  |  |  |                                 |  |  |  |
| Q <sub>HE</sub>                     |  |  |  |                                 |  |  |  |
| 3070                                |  |  |  |                                 |  |  |  |
| kWh                                 |  |  |  |                                 |  |  |  |
| For heat pump combination heater:   |  |  |  |                                 |  |  |  |
| Declared load profile               |  |  |  | Water heating energy efficiency |  |  |  |
| L                                   |  |  |  | $\eta_{wh}$                     |  |  |  |
| Daily electricity consumption       |  |  |  | 152                             |  |  |  |
| Q <sub>elec</sub>                   |  |  |  | %                               |  |  |  |
| 3.210                               |  |  |  |                                 |  |  |  |
| Annual electricity consumption      |  |  |  |                                 |  |  |  |
| AEC                                 |  |  |  |                                 |  |  |  |
| 707                                 |  |  |  |                                 |  |  |  |
| 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-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST20D-****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          | 5.5     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 99                | %    |
| 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             | 3.4     | kW    | Tj = - 7 °C  | COPd       | 2.13              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.99    | -     | Tj = + 2 °C  | COPd       | 3.32              | -    |
| Tj = + 2 °C  | Pdh             | 3.4     | kW    | Tj = + 7 °C  | COPd       | 5.18              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.99    | -     | Tj = +12 °C  | COPd       | 6.35              | -    |
| Tj = + 7 °C  | Pdh             | 3.3     | kW    | Tj = bivalent temperature  | COPd       | 1.13              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.98    | -     | Tj = operation limit temperature (***)   | COPd       | 1.06              | -    |
| Tj = +12 °C  | Pdh             | 3.6     | kW    | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 1.13              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.97    | -     | Operation limit temperature  | TOL        | -25               | °C   |
| Tj = bivalent temperature  | Pdh             | 4.5     | kW    | Heating water operating limit temperature  | WTOL       | 60                | °C   |
| Tj = operation limit temperature (***)   | Pdh             | 3.8     | kW    | Supplementary heater   |            |                   |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh             | 4.5     | kW    | Rated heat output (*)  | Psup       | 5.5               | 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        |         |       | -  | 2790       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub> | 41 / 60 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub> | 5311    | kWh   |  |            |                   |      |

|                                   |                   |       |     |                                 |     |   |  |
|-----------------------------------|-------------------|-------|-----|---------------------------------|-----|---|--|
| For heat pump combination heater: |                   |       |     | Water heating energy efficiency |     |   |  |
| Declared load profile             | L                 |       |     | $\eta_{wh}$                     | 132 | % |  |
| Daily electricity consumption     | Q <sub>elec</sub> | 3.690 | kWh |                                 |     |   |  |
| Annual electricity consumption    | AEC               | 811   | 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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST20D-****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           | 5.8   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 136   | %                 |
| 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              | 3.5   | kW   | Tj = - 7 °C  | COPd       | 2.91  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd       | 4.34  | -                 |
| Tj = + 2 °C  | Pdh              | 3.6   | kW   | Tj = + 7 °C  | COPd       | 6.48  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = +12 °C  | COPd       | 7.28  | -                 |
| Tj = + 7 °C  | Pdh              | 3.4   | kW   | Tj = bivalent temperature  | COPd       | 1.80  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Tj = operation limit temperature (***)   | COPd       | 1.60  | -                 |
| Tj = +12 °C  | Pdh              | 3.6   | kW   | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 1.80  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Operation limit temperature  | TOL        | -25   | °C                |
| Tj = bivalent temperature  | Pdh              | 4.7   | kW   | Heating water operating limit temperature  | WTOL       | 60    | °C                |
| Tj = operation limit temperature (***)   | Pdh              | 5.7   | kW   | Supplementary heater   |            |       |                   |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh              | 4.7   | kW   | Rated heat output (*)  | Psup       | 0.1   | kW                |
| Bivalent temperature   | Tbiv             | -15   | °C   | Type of energy input   | Electrical |       |                   |
| Reference design conditions for space heating  | Tdesignh         | -22   | °C   | Other items  |            |       |                   |
| Power consumption in modes other than active mode  |                  |       |      | Rated air flow rate, outdoors  |            |       |                   |
| Off mode   | P <sub>OFF</sub> | 0.015 | kW   |  |            | 2790  | m <sup>3</sup> /h |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Capacity control   |            |       |                   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | kW   | variable   |            |       |                   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |       |                   |
|  |                  |       |      | L <sub>WA</sub>  |            |       |                   |
|  |                  |       |      | 41 / 60  |            |       |                   |
|  |                  |       |      | Annual energy consumption  |            |       |                   |
|  |                  |       |      | Q <sub>HE</sub>  |            |       |                   |
|  |                  |       |      | 4101   |            |       |                   |
|  |                  |       |      | kWh  |            |       |                   |
| For heat pump combination heater:  |                  |       |      | Water heating energy efficiency  |            |       |                   |
| Declared load profile  |                  |       |      | $\eta_{wh}$  |            |       |                   |
| L  |                  |       |      | 132  |            |       |                   |
| Daily electricity consumption  |                  |       |      | %  |            |       |                   |
| Q <sub>elec</sub>  |                  |       |      |  |            |       |                   |
| 3.690  |                  |       |      |  |            |       |                   |
| Annual electricity consumption   |                  |       |      |  |            |       |                   |
| AEC  |                  |       |      |  |            |       |                   |
| 811  |                  |       |      |  |            |       |                   |
| kWh  |                  |       |      |  |            |       |                   |

**Contact details**

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700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

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Tadashi SAITO

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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.

This information is based on EU regulation No 811/2013 and No 813/2013.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

|                                       |               |                                 |
|---------------------------------------|---------------|---------------------------------|
| Model(s):                             | Outdoor unit: | SUZ-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST20D-****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           | 7.5   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 170   | %    |
| 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            | 2.09  | -    |
| Tj = + 2 °C  | Pdh              | 7.5   | kW   | Tj = + 7 °C  | COPd            | 4.05  | -    |
| Degradation co-efficient (**)  | Cdh              | 1.00  | -    | Tj = +12 °C  | COPd            | 5.60  | -    |
| Tj = + 7 °C  | Pdh              | 4.8   | kW   | Tj = bivalent temperature  | COPd            | 2.09  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = operation limit temperature (***)   | COPd            | 2.09  | -    |
| Tj = +12 °C  | Pdh              | 3.6   | kW   | Operation limit temperature  | TOL             | -25   | °C   |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = bivalent temperature  | Pdh              | 7.5   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 7.5   | 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> | 0.015 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.015 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Standby mode   | P <sub>SB</sub> | 0.015 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | 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  |                  |       |      | 2790   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 60  |                  |       |      |  |                 |       |      |
| 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>  |                  |       |      | 159  |                 |       |      |
| 3.070  |                  |       |      | %  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 676  |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

Contact details

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700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

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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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(\*\*) 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.

This information is based on EU regulation No 811/2013 and No 813/2013.



**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

|                                       |               |                              |
|---------------------------------------|---------------|------------------------------|
| Model(s):                             | Outdoor unit: | SUZ-SWM80VAH2                |
|                                       | Indoor unit:  | EHST20D-****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           | 7.5   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 233   | %    |
| 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            | 3.26  | -    |
| Tj = + 2 °C  | Pdh              | 7.5   | kW   | Tj = + 7 °C  | COPd            | 6.02  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd            | 7.07  | -    |
| Tj = + 7 °C  | Pdh              | 4.9   | kW   | Tj = bivalent temperature  | COPd            | 3.26  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd            | 3.26  | -    |
| Tj = +12 °C  | Pdh              | 3.7   | 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              | 7.5   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 7.5   | 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> | 0.015 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.015 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Standby mode   | P <sub>SB</sub> | 0.015 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | 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  |                  |       |      | 2790   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 60  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 1699   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| For heat pump combination heater:  |                  |       |      | Declared load profile  |                 |       |      |
| L  |                  |       |      | Water heating energy efficiency  |                 |       |      |
| Daily electricity consumption  |                  |       |      | $\eta_{wh}$  |                 |       |      |
| Q <sub>elec</sub>  |                  |       |      | 159  |                 |       |      |
| 3.070  |                  |       |      | %  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 676  |                  |       |      |  |                 |       |      |
| 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        |  |  |  |

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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-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST17D-****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           | 7.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 128   | %                 |
| 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              | 6.2   | kW   | Tj = - 7 °C  | COPd       | 1.81  | -                 |
| Degradation co-efficient (**)  | Cdh              | 1.00  | -    | Tj = + 2 °C  | COPd       | 3.25  | -                 |
| Tj = + 2 °C  | Pdh              | 3.8   | kW   | Tj = + 7 °C  | COPd       | 4.69  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd       | 6.67  | -                 |
| Tj = + 7 °C  | Pdh              | 3.1   | kW   | Tj = bivalent temperature  | COPd       | 1.81  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd       | 1.58  | -                 |
| Tj = +12 °C  | Pdh              | 3.9   | 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              | 6.2   | kW   | Supplementary heater   |            |       |                   |
| Tj = operation limit temperature (***)   | Pdh              | 5.8   | kW   | Rated heat output (*)  | Psup       | 1.2   | kW                |
| Bivalent temperature   | Tbiv             | -7    | °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> | 0.015 | kW   |  |            | 2790  | m <sup>3</sup> /h |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Capacity control   |            |       |                   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | kW   | variable   |            |       |                   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |       |                   |
|  |                  |       |      | L <sub>WA</sub>  |            |       |                   |
|  |                  |       |      | 41 / 60  |            |       |                   |
|  |                  |       |      | Annual energy consumption  |            |       |                   |
|  |                  |       |      | Q <sub>HE</sub>  |            |       |                   |
|  |                  |       |      | 4401   |            |       |                   |
|  |                  |       |      | kWh  |            |       |                   |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 147 | % |
| Daily electricity consumption     | Qelec | 3.330 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 734   | kWh |                                 |             |     |   |

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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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST17D-****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           | 6.6   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 175   | %    |
| 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              | 5.9   | kW   | Tj = - 7 °C  | COPd            | 2.86  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd            | 4.35  | -    |
| Tj = + 2 °C  | Pdh              | 4.4   | kW   | Tj = + 7 °C  | COPd            | 6.22  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd            | 7.38  | -    |
| Tj = + 7 °C  | Pdh              | 3.4   | kW   | Tj = bivalent temperature  | COPd            | 2.23  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Tj = operation limit temperature (***)   | COPd            | 2.23  | -    |
| Tj = +12 °C  | Pdh              | 3.7   | 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              | 6.6   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 6.6   | 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> | 0.015 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.015 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Standby mode   | P <sub>SB</sub> | 0.015 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | 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  |                  |       |      | 2790   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 60  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 3070   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| For heat pump combination heater:  |                  |       |      | Declared load profile  |                 |       |      |
| L  |                  |       |      | Water heating energy efficiency  |                 |       |      |
| Daily electricity consumption  |                  |       |      | $\eta_{wh}$  |                 |       |      |
| Q <sub>elec</sub>  |                  |       |      | 147  |                 |       |      |
| 3.330  |                  |       |      | %  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 734  |                  |       |      |  |                 |       |      |
| 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.

This information is based on EU regulation No 811/2013 and No 813/2013.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

|                                       |               |                                 |
|---------------------------------------|---------------|---------------------------------|
| Model(s):                             | Outdoor unit: | SUZ-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST17D-****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            | 5.5     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 99                | %    |
| 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               | 3.4     | kW    | Tj = - 7 °C  | COPd       | 2.13              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.99    | -     | Tj = + 2 °C  | COPd       | 3.32              | -    |
| Tj = + 2 °C  | Pdh               | 3.4     | kW    | Tj = + 7 °C  | COPd       | 5.18              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.99    | -     | Tj = +12 °C  | COPd       | 6.35              | -    |
| Tj = + 7 °C  | Pdh               | 3.3     | kW    | Tj = bivalent temperature  | COPd       | 1.13              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.98    | -     | Tj = operation limit temperature (***)   | COPd       | 1.06              | -    |
| Tj = +12 °C  | Pdh               | 3.6     | kW    | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 1.13              | -    |
| Degradation co-efficient (**)  | Cdh               | 0.97    | -     | Operation limit temperature  | TOL        | -25               | °C   |
| Tj = bivalent temperature  | Pdh               | 4.5     | kW    | Heating water operating limit temperature  | WTOL       | 60                | °C   |
| Tj = operation limit temperature (***)   | Pdh               | 3.8     | kW    | Supplementary heater   |            |                   |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh               | 4.5     | kW    | Rated heat output (*)  | Psup       | 5.5               | 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          |         |       | -  | 2790       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub>   | 41 / 60 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub>   | 5311    | kWh   |  |            |                   |      |
| For heat pump combination heater:  |                   |         |       | Water heating energy efficiency  |            |                   |      |
| Declared load profile  | L                 |         |       | $\eta_{wh}$  | 121        | %                 |      |
| Daily electricity consumption  | Q <sub>elec</sub> | 4.020   | kWh   |  |            |                   |      |
| Annual electricity consumption   | AEC               | 884     | 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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST17D-****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           | 5.8     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 136               | %    |
| 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              | 3.5     | kW    | Tj = - 7 °C  | COPd       | 2.91              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99    | -     | Tj = + 2 °C  | COPd       | 4.34              | -    |
| Tj = + 2 °C  | Pdh              | 3.6     | kW    | Tj = + 7 °C  | COPd       | 6.48              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98    | -     | Tj = +12 °C  | COPd       | 7.28              | -    |
| Tj = + 7 °C  | Pdh              | 3.4     | kW    | Tj = bivalent temperature  | COPd       | 1.80              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97    | -     | Tj = operation limit temperature (***)   | COPd       | 1.60              | -    |
| Tj = +12 °C  | Pdh              | 3.6     | kW    | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 1.80              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97    | -     | Operation limit temperature  | TOL        | -25               | °C   |
| Tj = bivalent temperature  | Pdh              | 4.7     | kW    | Heating water operating limit temperature  | WTOL       | 60                | °C   |
| Tj = operation limit temperature (***)   | Pdh              | 5.7     | kW    |  |            |                   |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh              | 4.7     | kW    | Supplementary heater   |            |                   |      |
| Bivalent temperature   | Tbiv             | -15     | °C    | Rated heat output (*)  | Psup       | 0.1               | kW   |
| Reference design conditions for space heating  | Tdesignh         | -22     | °C    | Type of energy input   | Electrical |                   |      |
| Power consumption in modes other than active mode  |                  |         |       | Supplementary heater   |            |                   |      |
| Off mode   | P <sub>OFF</sub> | 0.015   | kW    |  |            |                   |      |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015   | kW    |  |            |                   |      |
| Standby mode   | P <sub>SB</sub>  | 0.015   | kW    |  |            |                   |      |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000   | kW    |  |            |                   |      |
| Other items  |                  |         |       | Rated air flow rate, outdoors  |            |                   |      |
| Capacity control   | variable         |         |       | -  | 2790       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub>  | 41 / 60 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub>  | 4101    | kWh   |  |            |                   |      |

|                                   |                   |       |     |                                 |             |     |   |
|-----------------------------------|-------------------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |                   |       |     |                                 |             |     |   |
| Declared load profile             | L                 |       |     | Water heating energy efficiency | $\eta_{wh}$ | 121 | % |
| Daily electricity consumption     | Q <sub>elec</sub> | 4.020 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC               | 884   | kWh |                                 |             |     |   |

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|--|--|--|--|---|--|--|--|
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| 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-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST17D-****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           | 7.5   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 170   | %    |
| 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            | 2.09  | -    |
| Tj = + 2 °C  | Pdh              | 7.5   | kW   | Tj = + 7 °C  | COPd            | 4.05  | -    |
| Degradation co-efficient (**)  | Cdh              | 1.00  | -    | Tj = +12 °C  | COPd            | 5.60  | -    |
| Tj = + 7 °C  | Pdh              | 4.8   | kW   | Tj = bivalent temperature  | COPd            | 2.09  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = operation limit temperature (***)   | COPd            | 2.09  | -    |
| Tj = +12 °C  | Pdh              | 3.6   | kW   | Operation limit temperature  | TOL             | -25   | °C   |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = bivalent temperature  | Pdh              | 7.5   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 7.5   | 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> | 0.015 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.015 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Standby mode   | P <sub>SB</sub> | 0.015 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | 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  |                  |       |      | 2790   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 60  |                  |       |      |  |                 |       |      |
| 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>  |                  |       |      | 167  |                 |       |      |
| 2.940  |                  |       |      | %  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 647  |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

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|--|--|--|--|---|--|--|--|
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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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST17D-****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               | 7.5   | kW   | Seasonal space heating energy efficiency   | $\eta_s$         | 233   | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                  |       |      |
| T <sub>j</sub> = - 7 °C  | P <sub>dh</sub>      | -     | kW   | T <sub>j</sub> = - 7 °C  | COP <sub>d</sub> | -     | -    |
| Degradation co-efficient (**)  | C <sub>dh</sub>      | -     | -    | T <sub>j</sub> = + 2 °C  | COP <sub>d</sub> | 3.26  | -    |
| T <sub>j</sub> = + 2 °C  | P <sub>dh</sub>      | 7.5   | kW   | T <sub>j</sub> = + 7 °C  | COP <sub>d</sub> | 6.02  | -    |
| Degradation co-efficient (**)  | C <sub>dh</sub>      | 0.99  | -    | T <sub>j</sub> = +12 °C  | COP <sub>d</sub> | 7.07  | -    |
| T <sub>j</sub> = + 7 °C  | P <sub>dh</sub>      | 4.9   | kW   | T <sub>j</sub> = bivalent temperature  | COP <sub>d</sub> | 3.26  | -    |
| Degradation co-efficient (**)  | C <sub>dh</sub>      | 0.98  | -    | T <sub>j</sub> = operation limit temperature (***)   | COP <sub>d</sub> | 3.26  | -    |
| T <sub>j</sub> = +12 °C  | P <sub>dh</sub>      | 3.7   | kW   | Operation limit temperature  | TOL              | -25   | °C   |
| Degradation co-efficient (**)  | C <sub>dh</sub>      | 0.97  | -    | Heating water operating limit temperature  | WTOL             | 60    | °C   |
| T <sub>j</sub> = bivalent temperature  | P <sub>dh</sub>      | 7.5   | kW   | Supplementary heater   |                  |       |      |
| T <sub>j</sub> = operation limit temperature (***)   | P <sub>dh</sub>      | 7.5   | kW   | Rated heat output (*)  | P <sub>sup</sub> | 0.0   | kW   |
| Bivalent temperature   | T <sub>biv</sub>     | 2     | °C   | Type of energy input   | Electrical       |       |      |
| Reference design conditions for space heating  | T <sub>designh</sub> | 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>     | 0.015 | kW   | Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>      | 0.015 | kW   | Standby mode   | P <sub>SB</sub>  | 0.015 | kW   |
| Standby mode   | P <sub>SB</sub>      | 0.015 | 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  |                      |       |      | 2790   |                  |       |      |
| L <sub>WA</sub>  |                      |       |      | m <sup>3</sup> /h  |                  |       |      |
| 41 / 60  |                      |       |      |  |                  |       |      |
| Annual energy consumption  |                      |       |      |  |                  |       |      |
| Q <sub>HE</sub>  |                      |       |      |  |                  |       |      |
| 1699   |                      |       |      |  |                  |       |      |
| kWh  |                      |       |      |  |                  |       |      |

|                                   |  |  |  |                                 |  |  |  |
|-----------------------------------|--|--|--|---------------------------------|--|--|--|
| For heat pump combination heater: |  |  |  |                                 |  |  |  |
| Declared load profile             |  |  |  | Water heating energy efficiency |  |  |  |
| L                                 |  |  |  | $\eta_{wh}$                     |  |  |  |
| Daily electricity consumption     |  |  |  | 167                             |  |  |  |
| Q <sub>elec</sub>                 |  |  |  | %                               |  |  |  |
| 2.940                             |  |  |  |                                 |  |  |  |
| Annual electricity consumption    |  |  |  |                                 |  |  |  |
| AEC                               |  |  |  |                                 |  |  |  |
| 647                               |  |  |  |                                 |  |  |  |
| 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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

|                                       |               |                                 |
|---------------------------------------|---------------|---------------------------------|
| Model(s):                             | Outdoor unit: | SUZ-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST20D-MED                     |
| 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: |               | no                              |
| 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           | 7.0   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 128   | %                 |
| 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              | 6.2   | kW   | Tj = -7 °C   | COPd       | 1.81  | -                 |
| Degradation co-efficient (**)  | Cdh              | 1.00  | -    | Tj = +2 °C   | COPd       | 3.25  | -                 |
| Tj = +2 °C   | Pdh              | 3.8   | kW   | Tj = +7 °C   | COPd       | 4.69  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd       | 6.67  | -                 |
| Tj = +7 °C   | Pdh              | 3.1   | kW   | Tj = bivalent temperature  | COPd       | 1.81  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = operation limit temperature (***)   | COPd       | 1.58  | -                 |
| Tj = +12 °C  | Pdh              | 3.9   | 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              | 6.2   | kW   | Supplementary heater   |            |       |                   |
| Tj = operation limit temperature (***)   | Pdh              | 5.8   | kW   | Rated heat output (*)  | Psup       | 1.2   | kW                |
| Bivalent temperature   | Tbiv             | -7    | °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> | 0.015 | kW   |  |            | 2790  | m <sup>3</sup> /h |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Capacity control   |            |       |                   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | kW   | variable   |            |       |                   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |       |                   |
|  |                  |       |      | L <sub>WA</sub>  |            |       |                   |
|  |                  |       |      | 41 / 60  |            |       |                   |
|  |                  |       |      | Annual energy consumption  |            |       |                   |
|  |                  |       |      | Q <sub>HE</sub>  |            |       |                   |
|  |                  |       |      | 4401   |            |       |                   |
|  |                  |       |      | kWh  |            |       |                   |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 152 | % |
| Daily electricity consumption     | Qelec | 3.210 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 707   | 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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST20D-MED                  |
| 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: |               | no                           |
| 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           | 6.6   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 175   | %                 |
| 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              | 5.9   | kW   | Tj = - 7 °C  | COPd       | 2.86  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd       | 4.35  | -                 |
| Tj = + 2 °C  | Pdh              | 4.4   | kW   | Tj = + 7 °C  | COPd       | 6.22  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = +12 °C  | COPd       | 7.38  | -                 |
| Tj = + 7 °C  | Pdh              | 3.4   | kW   | Tj = bivalent temperature  | COPd       | 2.23  | -                 |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Tj = operation limit temperature (***)   | COPd       | 2.23  | -                 |
| Tj = +12 °C  | Pdh              | 3.7   | 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              | 6.6   | kW   | Supplementary heater   |            |       |                   |
| Tj = operation limit temperature (***)   | Pdh              | 6.6   | 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   | Other items  |            |       |                   |
| Power consumption in modes other than active mode  |                  |       |      | Rated air flow rate, outdoors  |            |       |                   |
| Off mode   | P <sub>OFF</sub> | 0.015 | kW   |  |            | 2790  | m <sup>3</sup> /h |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Capacity control   |            |       |                   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | kW   | variable   |            |       |                   |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |       |                   |
|  |                  |       |      | L <sub>WA</sub>  |            |       |                   |
|  |                  |       |      | 41 / 60  |            |       |                   |
|  |                  |       |      | Annual energy consumption  |            |       |                   |
|  |                  |       |      | Q <sub>HE</sub>  |            |       |                   |
|  |                  |       |      | 3070   |            |       |                   |
|  |                  |       |      | kWh  |            |       |                   |

|                                   |       |       |     |                                 |             |     |   |
|-----------------------------------|-------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |       |       |     |                                 |             |     |   |
| Declared load profile             | L     |       |     | Water heating energy efficiency | $\eta_{wh}$ | 152 | % |
| Daily electricity consumption     | Qelec | 3.210 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC   | 707   | 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.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

|                                       |               |                                 |
|---------------------------------------|---------------|---------------------------------|
| Model(s):                             | Outdoor unit: | SUZ-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST20D-MED                     |
| 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: |               | no                              |
| 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          | 5.5     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 99                | %    |
| 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             | 3.4     | kW    | Tj = - 7 °C  | COPd       | 2.13              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.99    | -     | Tj = + 2 °C  | COPd       | 3.32              | -    |
| Tj = + 2 °C  | Pdh             | 3.4     | kW    | Tj = + 7 °C  | COPd       | 5.18              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.99    | -     | Tj = +12 °C  | COPd       | 6.35              | -    |
| Tj = + 7 °C  | Pdh             | 3.3     | kW    | Tj = bivalent temperature  | COPd       | 1.13              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.98    | -     | Tj = operation limit temperature (***)   | COPd       | 1.06              | -    |
| Tj = +12 °C  | Pdh             | 3.6     | kW    | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 1.13              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.97    | -     | Operation limit temperature  | TOL        | -25               | °C   |
| Tj = bivalent temperature  | Pdh             | 4.5     | kW    | Heating water operating limit temperature  | WTOL       | 60                | °C   |
| Tj = operation limit temperature (***)   | Pdh             | 3.8     | kW    | Supplementary heater   |            |                   |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh             | 4.5     | kW    | Rated heat output (*)  | Psup       | 5.5               | 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        |         |       | -  | 2790       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub> | 41 / 60 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub> | 5311    | kWh   |  |            |                   |      |

|                                   |                   |       |     |                                 |             |     |   |
|-----------------------------------|-------------------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |                   |       |     |                                 |             |     |   |
| Declared load profile             | L                 |       |     | Water heating energy efficiency | $\eta_{wh}$ | 132 | % |
| Daily electricity consumption     | Q <sub>elec</sub> | 3.690 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC               | 811   | 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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST20D-MED                  |
| 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: |               | no                           |
| 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           | 5.8   | kW   | Seasonal space heating energy efficiency   | $\eta_s$   | 136               | %    |
| 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              | 3.5   | kW   | Tj = - 7 °C  | COPd       | 2.91              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = + 2 °C  | COPd       | 4.34              | -    |
| Tj = + 2 °C  | Pdh              | 3.6   | kW   | Tj = + 7 °C  | COPd       | 6.48              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Tj = +12 °C  | COPd       | 7.28              | -    |
| Tj = + 7 °C  | Pdh              | 3.4   | kW   | Tj = bivalent temperature  | COPd       | 1.80              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Tj = operation limit temperature (***)   | COPd       | 1.60              | -    |
| Tj = +12 °C  | Pdh              | 3.6   | kW   | Tj = - 15 °C (if TOL < - 20 °C)  | COPd       | 1.80              | -    |
| Degradation co-efficient (**)  | Cdh              | 0.97  | -    | Operation limit temperature  | TOL        | -25               | °C   |
| Tj = bivalent temperature  | Pdh              | 4.7   | kW   | Heating water operating limit temperature  | WTOL       | 60                | °C   |
| Tj = operation limit temperature (***)   | Pdh              | 5.7   | kW   | Supplementary heater   |            |                   |      |
| Tj = - 15 °C (if TOL < - 20 °C)  | Pdh              | 4.7   | kW   | Rated heat output (*)  | Psup       | 0.1               | kW   |
| Bivalent temperature   | Tbiv             | -15   | °C   | Type of energy input   | Electrical |                   |      |
| Reference design conditions for space heating  | Tdesignh         | -22   | °C   | Other items  |            |                   |      |
| Power consumption in modes other than active mode  |                  |       |      | Rated air flow rate, outdoors  |            |                   |      |
| Off mode   | P <sub>OFF</sub> | 0.015 | kW   | -  | 2790       | m <sup>3</sup> /h |      |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Capacity control   |            |                   |      |
| Standby mode   | P <sub>SB</sub>  | 0.015 | kW   | variable   |            |                   |      |
| Crankcase heater mode  | P <sub>CK</sub>  | 0.000 | kW   | Sound power level, indoors/outdoors  |            |                   |      |
|  |                  |       |      | L <sub>WA</sub>  |            |                   |      |
|  |                  |       |      | 41 / 60  |            |                   |      |
|  |                  |       |      | Annual energy consumption  |            |                   |      |
|  |                  |       |      | Q <sub>HE</sub>  |            |                   |      |
|  |                  |       |      | 4101   |            |                   |      |
|  |                  |       |      | kWh  |            |                   |      |
| For heat pump combination heater:  |                  |       |      | Water heating energy efficiency  |            |                   |      |
| Declared load profile  |                  |       |      | $\eta_{wh}$  |            |                   |      |
| L  |                  |       |      | 132  |            |                   |      |
| Daily electricity consumption  |                  |       |      | %  |            |                   |      |
| Q <sub>elec</sub>  |                  |       |      |  |            |                   |      |
| 3.690  |                  |       |      |  |            |                   |      |
| Annual electricity consumption   |                  |       |      |  |            |                   |      |
| AEC  |                  |       |      |  |            |                   |      |
| 811  |                  |       |      |  |            |                   |      |
| 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-SWM80VAH2                   |
|                                       | Indoor unit:  | EHST20D-MED                     |
| 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: |               | no                              |
| 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           | 7.5   | kW   | Seasonal space heating energy efficiency   | $\eta_s$        | 170   | %    |
| 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            | 2.09  | -    |
| Tj = + 2 °C  | Pdh              | 7.5   | kW   | Tj = + 7 °C  | COPd            | 4.05  | -    |
| Degradation co-efficient (**)  | Cdh              | 1.00  | -    | Tj = +12 °C  | COPd            | 5.60  | -    |
| Tj = + 7 °C  | Pdh              | 4.8   | kW   | Tj = bivalent temperature  | COPd            | 2.09  | -    |
| Degradation co-efficient (**)  | Cdh              | 0.99  | -    | Tj = operation limit temperature (***)   | COPd            | 2.09  | -    |
| Tj = +12 °C  | Pdh              | 3.6   | kW   | Operation limit temperature  | TOL             | -25   | °C   |
| Degradation co-efficient (**)  | Cdh              | 0.98  | -    | Heating water operating limit temperature  | WTOL            | 60    | °C   |
| Tj = bivalent temperature  | Pdh              | 7.5   | kW   | Supplementary heater   |                 |       |      |
| Tj = operation limit temperature (***)   | Pdh              | 7.5   | 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> | 0.015 | kW   | Thermostat-off mode  | P <sub>TO</sub> | 0.015 | kW   |
| Thermostat-off mode  | P <sub>TO</sub>  | 0.015 | kW   | Standby mode   | P <sub>SB</sub> | 0.015 | kW   |
| Standby mode   | P <sub>SB</sub>  | 0.015 | 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  |                  |       |      | 2790   |                 |       |      |
| L <sub>WA</sub>  |                  |       |      | m <sup>3</sup> /h  |                 |       |      |
| 41 / 60  |                  |       |      |  |                 |       |      |
| Annual energy consumption  |                  |       |      |  |                 |       |      |
| Q <sub>HE</sub>  |                  |       |      |  |                 |       |      |
| 2311   |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |
| For heat pump combination heater:  |                  |       |      | Declared load profile  |                 |       |      |
| L  |                  |       |      | Water heating energy efficiency  |                 |       |      |
|  |                  |       |      | $\eta_{wh}$  |                 |       |      |
| Daily electricity consumption  |                  |       |      | 159  |                 |       |      |
| Q <sub>elec</sub>  |                  |       |      | %  |                 |       |      |
| 3.070  |                  |       |      |  |                 |       |      |
| Annual electricity consumption   |                  |       |      |  |                 |       |      |
| AEC  |                  |       |      |  |                 |       |      |
| 676  |                  |       |      |  |                 |       |      |
| kWh  |                  |       |      |  |                 |       |      |

|                                     |  |  |  |                                 |  |  |  |
|-------------------------------------|--|--|--|---------------------------------|--|--|--|
| Other items                         |  |  |  |                                 |  |  |  |
| Capacity control                    |  |  |  | Rated air flow rate, outdoors   |  |  |  |
| variable                            |  |  |  | -                               |  |  |  |
| Sound power level, indoors/outdoors |  |  |  | 2790                            |  |  |  |
| L <sub>WA</sub>                     |  |  |  | m <sup>3</sup> /h               |  |  |  |
| 41 / 60                             |  |  |  |                                 |  |  |  |
| Annual energy consumption           |  |  |  |                                 |  |  |  |
| Q <sub>HE</sub>                     |  |  |  |                                 |  |  |  |
| 2311                                |  |  |  |                                 |  |  |  |
| kWh                                 |  |  |  |                                 |  |  |  |
| For heat pump combination heater:   |  |  |  |                                 |  |  |  |
| Declared load profile               |  |  |  | Water heating energy efficiency |  |  |  |
| L                                   |  |  |  | $\eta_{wh}$                     |  |  |  |
|                                     |  |  |  | 159                             |  |  |  |
| Daily electricity consumption       |  |  |  | %                               |  |  |  |
| Q <sub>elec</sub>                   |  |  |  |                                 |  |  |  |
| 3.070                               |  |  |  |                                 |  |  |  |
| Annual electricity consumption      |  |  |  |                                 |  |  |  |
| AEC                                 |  |  |  |                                 |  |  |  |
| 676                                 |  |  |  |                                 |  |  |  |
| 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-SWM80VAH2                |
|                                       | Indoor unit:  | EHST20D-MED                  |
| 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: |               | no                           |
| 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          | 7.5     | kW    | Seasonal space heating energy efficiency   | $\eta_s$   | 233               | %    |
| 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       | 3.26              | -    |
| Tj = + 2 °C  | Pdh             | 7.5     | kW    | Tj = + 7 °C  | COPd       | 6.02              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.99    | -     | Tj = +12 °C  | COPd       | 7.07              | -    |
| Tj = + 7 °C  | Pdh             | 4.9     | kW    | Tj = bivalent temperature  | COPd       | 3.26              | -    |
| Degradation co-efficient (**)  | Cdh             | 0.98    | -     | Tj = operation limit temperature (***)   | COPd       | 3.26              | -    |
| Tj = +12 °C  | Pdh             | 3.7     | 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             | 7.5     | kW    | Supplementary heater   |            |                   |      |
| Tj = operation limit temperature (***)   | Pdh             | 7.5     | 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>  |            |                   |      |
| Other items  |                 |         |       | Rated air flow rate, outdoors  |            |                   |      |
| Capacity control   | variable        |         |       | -  | 2790       | m <sup>3</sup> /h |      |
| Sound power level, indoors/outdoors  | L <sub>WA</sub> | 41 / 60 | dB(A) |  |            |                   |      |
| Annual energy consumption  | Q <sub>HE</sub> | 1699    | kWh   |  |            |                   |      |

|                                   |                   |       |     |                                 |             |     |   |
|-----------------------------------|-------------------|-------|-----|---------------------------------|-------------|-----|---|
| For heat pump combination heater: |                   |       |     |                                 |             |     |   |
| Declared load profile             | L                 |       |     | Water heating energy efficiency | $\eta_{wh}$ | 159 | % |
| Daily electricity consumption     | Q <sub>elec</sub> | 3.070 | kWh |                                 |             |     |   |
| Annual electricity consumption    | AEC               | 676   | kWh |                                 |             |     |   |

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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.