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|                     |                                                                                   |          |                |
|---------------------|-----------------------------------------------------------------------------------|----------|----------------|
| Summary of          | Ecodan Eco Inverter 6/8-300D                                                      | Reg. No. | 037-0006-19    |
| Certificate Holder  |                                                                                   |          |                |
| Name                | Mitsubishi Electric Air Conditioning Systems Europe LTD                           |          |                |
| Address             | Nettlehill Road, Houston Industrial Estate                                        | Zip      | EH54 5EQ       |
| City                | Livingston                                                                        | Country  | United Kingdom |
| Certification Body  | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) |          |                |
| Subtype title       | Ecodan Eco Inverter 6/8-300D                                                      |          |                |
| Heat Pump Type      | Outdoor Air/Water                                                                 |          |                |
| Refrigerant         | R32                                                                               |          |                |
| Mass of Refrigerant | 1.2 kg                                                                            |          |                |
| Certification Date  | 15.10.2019                                                                        |          |                |
| Testing basis       | HP Keymark scheme rules rev. no. 6                                                |          |                |

## Model: SUZ-SWM60VA + EHST30D-M\*D

| Configure model                     |                           |
|-------------------------------------|---------------------------|
| Model name                          | SUZ-SWM60VA + EHST30D-M*D |
| Application                         | Heating + DHW + low temp  |
| Units                               | Indoor + Outdoor          |
| Climate Zone                        | Warmer Climate            |
| Reversibility                       | No                        |
| Cooling mode application (optional) | n/a                       |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6 kW            | 6 kW               |
| El input    | 1.24 kW         | 2.07 kW            |
| COP         | 4.86            | 2.9                |

| EN 14511-4                                 |        |
|--------------------------------------------|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure              | passed |
| Defrost test                               | passed |
| Starting and operating test                | passed |

### Average Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 181 %           | 130 %              |
| Prated         | 6.6 kW          | 6 kW               |
| SCOP           | 4.61            | 3.33               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 5.8 kW          | 5.3 kW             |
| COP Tj = -7°C  | 3.02            | 2.04               |
| Cdh Tj = -7 °C | 0.99            | 0.99               |
| Pdh Tj = +2°C  | 3.6 kW          | 3.2 kW             |
| COP Tj = +2°C  | 4.48            | 3.27               |
| Cdh Tj = +2 °C | 0.98            | 0.98               |
| Pdh Tj = +7°C  | 2.8 kW          | 2.6 kW             |
| COP Tj = +7°C  | 6.36            | 4.48               |
| Cdh Tj = +7 °C | 0.97            | 0.97               |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = 12°C                                       | 2.6 kW      | 2.6 kW      |
| COP Tj = 12°C                                       | 8.39        | 6.34        |
| Cdh Tj = +12 °C                                     | 0.95        | 0.96        |
| Pdh Tj = Tbiv                                       | 5.8 kW      | 5.3 kW      |
| COP Tj = Tbiv                                       | 3.02        | 2.04        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.48 kW     | 5.09 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.66        | 1.9         |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.994       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.12 kW     | 0.91 kW     |
| Annual energy consumption Qhe                       | 2957 kWh    | 3727 kWh    |

## Warmer Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 192 %           | 138 %              |
| Prated          | 6.6 kW          | 6 kW               |
| SCOP            | 4.87            | 3.53               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | -20 °C          | -20 °C             |
| Pdh Tj = +2°C   | 6.6 kW          | 6 kW               |
| COP Tj = +2°C   | 3.32            | 1.87               |
| Cdh Tj = +2 °C  | 0.99            | 1                  |
| Pdh Tj = +7°C   | 4.2 kW          | 3.9 kW             |
| COP Tj = +7°C   | 4.18            | 2.94               |
| Cdh Tj = +7 °C  | 0.98            | 0.99               |
| Pdh Tj = 12°C   | 2 kW            | 1.9 kW             |
| COP Tj = 12°C   | 6.45            | 5                  |
| Cdh Tj = +12 °C | 0.95            | 0.96               |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 6.6 kW      | 6 kW        |
| COP Tj = Tbiv                                       | 3.32        | 1.87        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.6 kW      | 6 kW        |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.32        | 1.87        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.992       | 0.995       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0 kW        | 0 kW        |
| Annual energy consumption Qhe                       | 1812 kWh    | 2268 kWh    |

## Domestic Hot Water (DHW)

### Average Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 128 %      |
| COP                             | 3.13       |
| Heating up time                 | 3:31 h:min |
| Standby power input             | 26 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Warmer Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 164 %      |
| COP                             | 3.99       |
| Heating up time                 | 2:49 h:min |
| Standby power input             | 26.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Model: SUZ-SWM60VA + EHST30D-\*M\*D

| Configure model                     |                            |
|-------------------------------------|----------------------------|
| Model name                          | SUZ-SWM60VA + EHST30D-*M*D |
| Application                         | Heating + DHW + low temp   |
| Units                               | Indoor + Outdoor           |
| Climate Zone                        | Warmer Climate             |
| Reversibility                       | No                         |
| Cooling mode application (optional) | n/a                        |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6 kW            | 6 kW               |
| El input    | 1.24 kW         | 2.07 kW            |
| COP         | 4.86            | 2.9                |

| EN 14511-4                                 |        |
|--------------------------------------------|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure              | passed |
| Defrost test                               | passed |
| Starting and operating test                | passed |

### Average Climate



### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 181 %           | 130 %              |
| Prated         | 6.6 kW          | 6 kW               |
| SCOP           | 4.61            | 3.33               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 5.8 kW          | 5.3 kW             |
| COP Tj = -7°C  | 3.02            | 2.04               |
| Cdh Tj = -7 °C | 0.99            | 0.99               |
| Pdh Tj = +2°C  | 3.6 kW          | 3.2 kW             |
| COP Tj = +2°C  | 4.48            | 3.27               |
| Cdh Tj = +2 °C | 0.98            | 0.98               |
| Pdh Tj = +7°C  | 2.8 kW          | 2.6 kW             |
| COP Tj = +7°C  | 6.36            | 4.48               |
| Cdh Tj = +7 °C | 0.97            | 0.97               |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = 12°C                                       | 2.6 kW      | 2.6 kW      |
| COP Tj = 12°C                                       | 8.39        | 6.34        |
| Cdh Tj = +12 °C                                     | 0.95        | 0.96        |
| Pdh Tj = Tbiv                                       | 5.8 kW      | 5.3 kW      |
| COP Tj = Tbiv                                       | 3.02        | 2.04        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.48 kW     | 5.09 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.66        | 1.9         |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.994       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.12 kW     | 0.91 kW     |
| Annual energy consumption Qhe                       | 2957 kWh    | 3727 kWh    |

## Warmer Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 192 %           | 138 %              |
| Prated          | 6.6 kW          | 6 kW               |
| SCOP            | 4.87            | 3.53               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | -20 °C          | -20 °C             |
| Pdh Tj = +2°C   | 6.6 kW          | 6 kW               |
| COP Tj = +2°C   | 3.32            | 1.87               |
| Cdh Tj = +2 °C  | 0.99            | 1                  |
| Pdh Tj = +7°C   | 4.2 kW          | 3.9 kW             |
| COP Tj = +7°C   | 4.18            | 2.94               |
| Cdh Tj = +7 °C  | 0.98            | 0.99               |
| Pdh Tj = 12°C   | 2 kW            | 1.9 kW             |
| COP Tj = 12°C   | 6.45            | 5                  |
| Cdh Tj = +12 °C | 0.95            | 0.96               |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 6.6 kW      | 6 kW        |
| COP Tj = Tbiv                                       | 3.32        | 1.87        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.6 kW      | 6 kW        |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.32        | 1.87        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.992       | 0.995       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0 kW        | 0 kW        |
| Annual energy consumption Qhe                       | 1812 kWh    | 2268 kWh    |

## Domestic Hot Water (DHW)

### Average Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 128 %      |
| COP                             | 3.13       |
| Heating up time                 | 3:31 h:min |
| Standby power input             | 26 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Warmer Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 164 %      |
| COP                             | 3.99       |
| Heating up time                 | 2:49 h:min |
| Standby power input             | 26.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Model: SUZ-SWM60VA + ERST30D-\*M\*D

| Configure model                     |                            |
|-------------------------------------|----------------------------|
| Model name                          | SUZ-SWM60VA + ERST30D-*M*D |
| Application                         | Heating + DHW + low temp   |
| Units                               | Indoor + Outdoor           |
| Climate Zone                        | Warmer Climate             |
| Reversibility                       | Yes                        |
| Cooling mode application (optional) | n/a                        |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6 kW            | 6 kW               |
| El input    | 1.24 kW         | 2.07 kW            |
| COP         | 4.86            | 2.9                |

| EN 14511-4                                 |        |
|--------------------------------------------|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure              | passed |
| Defrost test                               | passed |
| Starting and operating test                | passed |

### Average Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 187 %           | 133 %              |
| Prated         | 6.6 kW          | 6 kW               |
| SCOP           | 4.74            | 3.41               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 5.8 kW          | 5.3 kW             |
| COP Tj = -7°C  | 3.02            | 2.04               |
| Cdh Tj = -7 °C | 0.99            | 0.99               |
| Pdh Tj = +2°C  | 3.6 kW          | 3.2 kW             |
| COP Tj = +2°C  | 4.56            | 3.33               |
| Cdh Tj = +2 °C | 0.98            | 0.98               |
| Pdh Tj = +7°C  | 2.8 kW          | 2.6 kW             |
| COP Tj = +7°C  | 6.36            | 4.48               |
| Cdh Tj = +7 °C | 0.97            | 0.97               |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = 12°C                                       | 2.6 kW      | 2.6 kW      |
| COP Tj = 12°C                                       | 8.39        | 6.34        |
| Cdh Tj = +12 °C                                     | 0.95        | 0.96        |
| Pdh Tj = Tbiv                                       | 5.8 kW      | 5.3 kW      |
| COP Tj = Tbiv                                       | 3.02        | 2.04        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.48 kW     | 5.09 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.66        | 1.9         |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.994       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.12 kW     | 0.91 kW     |
| Annual energy consumption Qhe                       | 2876 kWh    | 3638 kWh    |

## Warmer Climate



### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 198 %           | 142 %              |
| Prated          | 6.6 kW          | 6 kW               |
| SCOP            | 5.02            | 3.61               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | -20 °C          | -20 °C             |
| Pdh Tj = +2°C   | 6.6 kW          | 6 kW               |
| COP Tj = +2°C   | 3.32            | 1.87               |
| Cdh Tj = +2 °C  | 0.99            | 1                  |
| Pdh Tj = +7°C   | 4.2 kW          | 3.9 kW             |
| COP Tj = +7°C   | 4.12            | 2.89               |
| Cdh Tj = +7 °C  | 0.98            | 0.99               |
| Pdh Tj = 12°C   | 2 kW            | 1.9 kW             |
| COP Tj = 12°C   | 6.45            | 5.01               |
| Cdh Tj = +12 °C | 0.95            | 0.96               |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 6.6 kW      | 6 kW        |
| COP Tj = Tbiv                                       | 3.32        | 1.87        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.6 kW      | 6 kW        |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.32        | 1.87        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.992       | 0.995       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0 kW        | 0 kW        |
| Annual energy consumption Qhe                       | 1757 kWh    | 2218 kWh    |

## Domestic Hot Water (DHW)

### Average Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 128 %      |
| COP                             | 3.13       |
| Heating up time                 | 3:31 h:min |
| Standby power input             | 26 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Warmer Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 164 %      |
| COP                             | 3.99       |
| Heating up time                 | 2:49 h:min |
| Standby power input             | 26.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Model: SUZ-SWM80VA + EHST30D-M\*D

| Configure model                     |                           |
|-------------------------------------|---------------------------|
| Model name                          | SUZ-SWM80VA + EHST30D-M*D |
| Application                         | Heating + DHW + low temp  |
| Units                               | Indoor + Outdoor          |
| Climate Zone                        | Warmer Climate            |
| Reversibility                       | No                        |
| Cooling mode application (optional) | n/a                       |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 7.5 kW          | 7.5 kW             |
| El input    | 1.6 kW          | 2.68 kW            |
| COP         | 4.7             | 2.8                |

| EN 14511-4                                 |        |
|--------------------------------------------|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure              | passed |
| Defrost test                               | passed |
| Starting and operating test                | passed |

### Average Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 182 %           | 131 %              |
| Prated         | 7.1 kW          | 7.1 kW             |
| SCOP           | 4.62            | 3.35               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 6.3 kW          | 6.3 kW             |
| COP Tj = -7°C  | 2.95            | 2                  |
| Cdh Tj = -7 °C | 0.99            | 1                  |
| Pdh Tj = +2°C  | 3.8 kW          | 3.8 kW             |
| COP Tj = +2°C  | 4.57            | 3.39               |
| Cdh Tj = +2 °C | 0.98            | 0.99               |
| Pdh Tj = +7°C  | 2.7 kW          | 2.5 kW             |
| COP Tj = +7°C  | 6.14            | 4.24               |
| Cdh Tj = +7 °C | 0.97            | 0.98               |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = 12°C                                       | 2.6 kW      | 2.6 kW      |
| COP Tj = 12°C                                       | 8.39        | 6.34        |
| Cdh Tj = +12 °C                                     | 0.95        | 0.96        |
| Pdh Tj = Tbiv                                       | 6.3 kW      | 6.3 kW      |
| COP Tj = Tbiv                                       | 2.95        | 2           |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.95 kW     | 5.95 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64        | 1.92        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.995       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.15 kW     | 1.15 kW     |
| Annual energy consumption Qhe                       | 3175 kWh    | 4378 kWh    |

## Warmer Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 186 %           | 135 %              |
| Prated          | 7.10 kW         | 7.10 kW            |
| SCOP            | 4.73            | 3.46               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | -20 °C          | -20 °C             |
| Pdh Tj = +2°C   | 7.10 kW         | 7.10 kW            |
| COP Tj = +2°C   | 3.30            | 1.76               |
| Cdh Tj = +2 °C  | 0.990           | 1.000              |
| Pdh Tj = +7°C   | 4.60 kW         | 4.60 kW            |
| COP Tj = +7°C   | 4.02            | 2.79               |
| Cdh Tj = +7 °C  | 0.990           | 0.990              |
| Pdh Tj = 12°C   | 2.00 kW         | 2.00 kW            |
| COP Tj = 12°C   | 6.25            | 5.00               |
| Cdh Tj = +12 °C | 0.950           | 0.960              |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 7.10 kW     | 7.10 kW     |
| COP Tj = Tbiv                                       | 3.30        | 1.76        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.10 kW     | 7.10 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.30        | 1.76        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.996       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.00 kW     |
| Annual energy consumption Qhe                       | 2005 kWh    | 2743 kWh    |

## Domestic Hot Water (DHW)

### Average Climate



| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 128 %      |
| COP                             | 3.13       |
| Heating up time                 | 3:31 h:min |
| Standby power input             | 26 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Warmer Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 164 %      |
| COP                             | 3.99       |
| Heating up time                 | 2:49 h:min |
| Standby power input             | 26.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Model: SUZ-SWM80VA + EHST30D-\*M\*D

| Configure model                     |                            |
|-------------------------------------|----------------------------|
| Model name                          | SUZ-SWM80VA + EHST30D-*M*D |
| Application                         | Heating + DHW + low temp   |
| Units                               | Indoor + Outdoor           |
| Climate Zone                        | Warmer Climate             |
| Reversibility                       | No                         |
| Cooling mode application (optional) | n/a                        |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 7.5 kW          | 7.5 kW             |
| El input    | 1.6 kW          | 2.68 kW            |
| COP         | 4.7             | 2.8                |

| EN 14511-4                                 |        |
|--------------------------------------------|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure              | passed |
| Defrost test                               | passed |
| Starting and operating test                | passed |

### Average Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 182 %           | 131 %              |
| Prated         | 7.1 kW          | 7.1 kW             |
| SCOP           | 4.62            | 3.35               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 6.3 kW          | 6.3 kW             |
| COP Tj = -7°C  | 2.95            | 2                  |
| Cdh Tj = -7 °C | 0.99            | 1                  |
| Pdh Tj = +2°C  | 3.8 kW          | 3.8 kW             |
| COP Tj = +2°C  | 4.57            | 3.39               |
| Cdh Tj = +2 °C | 0.98            | 0.99               |
| Pdh Tj = +7°C  | 2.7 kW          | 2.5 kW             |
| COP Tj = +7°C  | 6.14            | 4.24               |
| Cdh Tj = +7 °C | 0.97            | 0.98               |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = 12°C                                       | 2.6 kW      | 2.6 kW      |
| COP Tj = 12°C                                       | 8.39        | 6.34        |
| Cdh Tj = +12 °C                                     | 0.95        | 0.96        |
| Pdh Tj = Tbiv                                       | 6.3 kW      | 6.3 kW      |
| COP Tj = Tbiv                                       | 2.95        | 2           |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.95 kW     | 5.95 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64        | 1.92        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.995       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.15 kW     | 1.15 kW     |
| Annual energy consumption Qhe                       | 3175 kWh    | 4378 kWh    |

## Warmer Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 186 %           | 135 %              |
| Prated          | 7.10 kW         | 7.10 kW            |
| SCOP            | 4.73            | 3.46               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | -20 °C          | -20 °C             |
| Pdh Tj = +2°C   | 7.10 kW         | 7.10 kW            |
| COP Tj = +2°C   | 3.30            | 1.76               |
| Cdh Tj = +2 °C  | 0.990           | 1.000              |
| Pdh Tj = +7°C   | 4.60 kW         | 4.60 kW            |
| COP Tj = +7°C   | 4.02            | 2.79               |
| Cdh Tj = +7 °C  | 0.990           | 0.990              |
| Pdh Tj = 12°C   | 2.00 kW         | 2.00 kW            |
| COP Tj = 12°C   | 6.25            | 5.00               |
| Cdh Tj = +12 °C | 0.950           | 0.960              |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 7.10 kW     | 7.10 kW     |
| COP Tj = Tbiv                                       | 3.30        | 1.76        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.10 kW     | 7.10 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.30        | 1.76        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.996       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.00 kW     |
| Annual energy consumption Qhe                       | 2005 kWh    | 2743 kWh    |

## Domestic Hot Water (DHW)

### Average Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 128 %      |
| COP                             | 3.13       |
| Heating up time                 | 3:31 h:min |
| Standby power input             | 26 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Warmer Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 164 %      |
| COP                             | 3.99       |
| Heating up time                 | 2:49 h:min |
| Standby power input             | 26.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Model: SUZ-SWM80VA + ERST30D-\*M\*D

| Configure model                     |                            |
|-------------------------------------|----------------------------|
| Model name                          | SUZ-SWM80VA + ERST30D-*M*D |
| Application                         | Heating + DHW + low temp   |
| Units                               | Indoor + Outdoor           |
| Climate Zone                        | Warmer Climate             |
| Reversibility                       | Yes                        |
| Cooling mode application (optional) | n/a                        |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 7.5 kW          | 7.5 kW             |
| El input    | 1.6 kW          | 2.68 kW            |
| COP         | 4.7             | 2.8                |

| EN 14511-4                                 |        |
|--------------------------------------------|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure              | passed |
| Defrost test                               | passed |
| Starting and operating test                | passed |

### Average Climate



This information was generated by the HP KEYMARK database on 18 Mar 2022

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 187 %           | 133 %              |
| Prated         | 7.1 kW          | 7.1 kW             |
| SCOP           | 4.74            | 3.41               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 6.3 kW          | 6.3 kW             |
| COP Tj = -7°C  | 3               | 2.06               |
| Cdh Tj = -7 °C | 0.99            | 1                  |
| Pdh Tj = +2°C  | 3.8 kW          | 3.8 kW             |
| COP Tj = +2°C  | 4.62            | 3.39               |
| Cdh Tj = +2 °C | 0.98            | 0.99               |
| Pdh Tj = +7°C  | 2.7 kW          | 2.5 kW             |
| COP Tj = +7°C  | 6.14            | 4.24               |
| Cdh Tj = +7 °C | 0.97            | 0.98               |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = 12°C                                       | 2.6 kW      | 2.6 kW      |
| COP Tj = 12°C                                       | 8.39        | 6.34        |
| Cdh Tj = +12 °C                                     | 0.95        | 0.96        |
| Pdh Tj = Tbiv                                       | 6.3 kW      | 6.3 kW      |
| COP Tj = Tbiv                                       | 3           | 2.06        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.95 kW     | 5.95 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64        | 1.92        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.995       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.15 kW     | 1.15 kW     |
| Annual energy consumption Qhe                       | 3094 kWh    | 4301 kWh    |

## Warmer Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 191 %           | 138 %              |
| Prated          | 7.10 kW         | 7.10 kW            |
| SCOP            | 4.85            | 3.52               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | -20 °C          | -20 °C             |
| Pdh Tj = +2°C   | 7.10 kW         | 7.10 kW            |
| COP Tj = +2°C   | 3.21            | 1.76               |
| Cdh Tj = +2 °C  | 0.990           | 1.000              |
| Pdh Tj = +7°C   | 4.60 kW         | 4.60 kW            |
| COP Tj = +7°C   | 3.97            | 2.75               |
| Cdh Tj = +7 °C  | 0.990           | 0.990              |
| Pdh Tj = 12°C   | 2.00 kW         | 2.00 kW            |
| COP Tj = 12°C   | 6.25            | 5.00               |
| Cdh Tj = +12 °C | 0.950           | 0.960              |

This information was generated by the HP KEYMARK database on 18 Mar 2022

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 7.10 kW     | 7.10 kW     |
| COP Tj = Tbiv                                       | 3.30        | 1.76        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.10 kW     | 7.10 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.30        | 1.76        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993       | 0.996       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 15 W        | 15 W        |
| PTO                                                 | 15 W        | 15 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.00 kW     |
| Annual energy consumption Qhe                       | 1954 kWh    | 2695 kWh    |

## Domestic Hot Water (DHW)

### Average Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 128 %      |
| COP                             | 3.13       |
| Heating up time                 | 3:31 h:min |
| Standby power input             | 26 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |

## Warmer Climate

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 164 %      |
| COP                             | 3.99       |
| Heating up time                 | 2:49 h:min |
| Standby power input             | 26.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 417 l      |