



ENERG

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Y IJA
IE IA



Indoor unit
Outdoor unit

EHPX-**C
PUHZ-W85VAA (-BS)



55 °C

35 °C



A⁺⁺

A⁺⁺



40 dB



58 dB

■ 05
■ **09**
■ 09
kW

■ 05
■ **09**
■ 09
kW



2015

811/2013

BH79J466H22

| | | For medium-temperature application. | | | | | | | | | | | | | | | | | | | | | | For low-temperature application. | | | | | | | | | | | | | | | | | | | | | |
|--------------|----------------|-------------------------------------|--|---------------------------------------|--|---|--|---|--|--|---------------------------------|---|---|--|--|--|--|--|--|---|---|---|-----------------------------|--|---------------------------------------|--|---|--|---|--|--|---------------------------------|---|---|--|--|--|--|--|--|---|---|---|---|----|
| 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| Outdoor unit | Indoor unit | Medium-temperature application | Seasonal space heating energy efficiency class | Water heating energy efficiency class | Rated heat output under average climate conditions | For space heating, annual energy consumption under average climate conditions | For water heating, annual electricity consumption under average climate conditions | Seasonal space heating energy efficiency under average climate conditions | Water heating energy efficiency under average climate conditions | Sound power level L _{WA,indoor} | Work only during off-peak hours | Rated heat output under colder climate conditions | Rated heat output under warmer climate conditions | For space heating, annual energy consumption under colder climate conditions | For space heating, annual energy consumption under warmer climate conditions | For water heating, annual energy consumption under colder climate conditions | For water heating, annual energy consumption under warmer climate conditions | Seasonal space heating energy efficiency under colder climate conditions | Seasonal space heating energy efficiency under warmer climate conditions | Water heating energy efficiency under colder climate conditions | Water heating energy efficiency under warmer climate conditions | Sound power level L _{WA,outdoor} | Low-temperature application | Seasonal space heating energy efficiency class | Water heating energy efficiency class | Rated heat output under average climate conditions | For space heating, annual energy consumption under average climate conditions | For water heating, annual electricity consumption under average climate conditions | Seasonal space heating energy efficiency under average climate conditions | Water heating energy efficiency under average climate conditions | Sound power level L _{WA,indoor} | Work only during off-peak hours | Rated heat output under colder climate conditions | Rated heat output under warmer climate conditions | For space heating, annual energy consumption under colder climate conditions | For space heating, annual energy consumption under warmer climate conditions | For water heating, annual energy consumption under colder climate conditions | For water heating, annual energy consumption under warmer climate conditions | Seasonal space heating energy efficiency under colder climate conditions | Seasonal space heating energy efficiency under warmer climate conditions | Water heating energy efficiency under colder climate conditions | Water heating energy efficiency under warmer climate conditions | Sound power level L _{WA,outdoor} | | |
| | | | | | kW | kWh | kWh | % | % | dB | | kW | kW | kWh | kWh | kWh | kWh | % | % | % | % | dB | | | | kW | kWh | kWh | % | % | dB | | | | | | kWh | kWh | kWh | kWh | % | % | % | % | dB |
| PUHZ-W85VAA | EHPT20X-**C(W) | ✓ | A++ | A | 8.5 | 4882 | 1031 | 137 | 104 | 40 | - | 5.3 | 8.5 | 4579 | 2587 | 1224 | 854 | 106 | 169 | 87 | 126 | 58 | ✓ | A++ | A | 8.5 | 3903 | 1031 | 171 | 104 | 40 | - | 5.3 | 8.5 | 3465 | 1777 | 1224 | 854 | 139 | 245 | 87 | 126 | 58 | | |
| | EHPT20X-**C2 | ✓ | A++ | A | 8.5 | 4882 | 759 | 137 | 142 | 40 | - | 5.3 | 8.5 | 4579 | 2587 | 893 | 638 | 106 | 169 | 120 | 170 | 58 | ✓ | A++ | A | 8.5 | 3903 | 759 | 171 | 142 | 40 | - | 5.3 | 8.5 | 3465 | 1777 | 893 | 638 | 139 | 245 | 120 | 170 | 58 | | |
| | EHPX-**C | ✓ | A++ | - | 8.5 | 4882 | - | 137 | - | 40 | - | 5.3 | 8.5 | 4579 | 2587 | - | - | 106 | 169 | - | - | 58 | ✓ | A++ | - | 8.5 | 3903 | - | 171 | - | 40 | - | 5.3 | 8.5 | 3465 | 1777 | - | - | 139 | 245 | - | - | 58 | | |
| PUHZ-W85YAA | EHPT20X-**C(W) | ✓ | A++ | A | 8.5 | 4889 | 1031 | 136 | 104 | 40 | - | 5.3 | 8.5 | 4618 | 2590 | 1224 | 854 | 104 | 167 | 87 | 126 | 58 | ✓ | A++ | A | 8.5 | 3911 | 1031 | 169 | 104 | 40 | - | 5.3 | 8.5 | 3491 | 1781 | 1224 | 854 | 136 | 241 | 87 | 126 | 58 | | |
| | EHPT20X-**C2 | ✓ | A++ | A | 8.5 | 4889 | 759 | 136 | 142 | 40 | - | 5.3 | 8.5 | 4618 | 2590 | 893 | 638 | 104 | 167 | 120 | 170 | 58 | ✓ | A++ | A | 8.5 | 3911 | 759 | 169 | 142 | 40 | - | 5.3 | 8.5 | 3491 | 1781 | 893 | 638 | 136 | 241 | 120 | 170 | 58 | | |
| | EHPX-**C | ✓ | A++ | - | 8.5 | 4889 | - | 136 | - | 40 | - | 5.3 | 8.5 | 4618 | 2590 | - | - | 104 | 167 | - | - | 58 | ✓ | A++ | - | 8.5 | 3911 | - | 169 | - | 40 | - | 5.3 | 8.5 | 3491 | 1781 | - | - | 136 | 241 | - | - | 58 | | |
| PUHZ-W112VAA | EHPT20X-**C(W) | ✓ | A++ | A | 10.0 | 5955 | 1064 | 133 | 100 | 40 | - | 7.3 | 10.0 | 6246 | 3017 | 1308 | 921 | 108 | 171 | 81 | 117 | 60 | ✓ | A++ | A | 10.0 | 4636 | 1064 | 170 | 100 | 40 | - | 7.3 | 10.0 | 4532 | 2153 | 1308 | 921 | 148 | 239 | 81 | 117 | 60 | | |
| | EHPT20X-**C2 | ✓ | A++ | A | 10.0 | 5955 | 852 | 133 | 127 | 40 | - | 7.3 | 10.0 | 6246 | 3017 | 1010 | 714 | 108 | 171 | 107 | 153 | 60 | ✓ | A++ | A | 10.0 | 4636 | 852 | 170 | 127 | 40 | - | 7.3 | 10.0 | 4532 | 2153 | 1010 | 714 | 148 | 239 | 107 | 153 | 60 | | |
| | EHPX-**C | ✓ | A++ | - | 10.0 | 5955 | - | 133 | - | 40 | - | 7.3 | 10.0 | 6246 | 3017 | - | - | 108 | 171 | - | - | 60 | ✓ | A++ | - | 10.0 | 4636 | - | 170 | - | 40 | - | 7.3 | 10.0 | 4532 | 2153 | - | - | 148 | 239 | - | - | 60 | | |
| PUHZ-W112YAA | EHPT20X-**C(W) | ✓ | A++ | A | 10.0 | 5968 | 1064 | 132 | 100 | 40 | - | 7.3 | 10.0 | 6207 | 3023 | 1308 | 921 | 108 | 169 | 81 | 117 | 60 | ✓ | A++ | A | 10.0 | 4644 | 1064 | 169 | 100 | 40 | - | 7.3 | 10.0 | 4553 | 2160 | 1308 | 921 | 146 | 235 | 81 | 117 | 60 | | |
| | EHPT20X-**C2 | ✓ | A++ | A | 10.0 | 5955 | 852 | 133 | 127 | 40 | - | 7.3 | 10.0 | 6246 | 3017 | 1010 | 714 | 108 | 171 | 107 | 153 | 60 | ✓ | A++ | A | 10.0 | 4636 | 852 | 170 | 127 | 40 | - | 7.3 | 10.0 | 4532 | 2153 | 1010 | 714 | 148 | 239 | 107 | 153 | 60 | | |
| | EHPX-**C | ✓ | A++ | - | 10.0 | 5968 | - | 132 | - | 40 | - | 7.3 | 10.0 | 6207 | 3023 | - | - | 108 | 169 | - | - | 60 | ✓ | A++ | - | 10.0 | 4644 | - | 169 | - | 40 | - | 7.3 | 10.0 | 4553 | 2160 | - | - | 146 | 235 | - | - | 60 | | |

| | | |
|---------------------------------------|---------------|---------------------------------|
| Model(s): | Outdoor unit: | PUHZ-W85VAA |
| | Indoor unit: | EHPX-**** |
| 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: | | no |
| Parameters for | | medium-temperature application. |
| Parameters for | | average climate conditions. |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--|------------------|-------|------|--|------------------|-------|------|
| Rated heat output (*) | Prated | 8.5 | kW | Seasonal space heating energy efficiency | η_s | 137 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j | | | |
| T _j = - 7 °C | P _{dh} | 7.5 | kW | T _j = - 7 °C | COP _d | 1.96 | - |
| Degradation co-efficient (**) | C _{dh} | 0.99 | - | | | | |
| T _j = + 2 °C | P _{dh} | 4.6 | kW | T _j = + 2 °C | COP _d | 3.50 | - |
| Degradation co-efficient (**) | C _{dh} | 0.98 | - | | | | |
| T _j = + 7 °C | P _{dh} | 2.9 | kW | T _j = + 7 °C | COP _d | 4.90 | - |
| Degradation co-efficient (**) | C _{dh} | 0.97 | - | | | | |
| T _j = +12 °C | P _{dh} | 2.9 | kW | T _j = +12 °C | COP _d | 6.80 | - |
| Degradation co-efficient (**) | C _{dh} | 0.96 | - | | | | |
| T _j = bivalent temperature | P _{dh} | 7.5 | kW | T _j = bivalent temperature | COP _d | 1.96 | - |
| T _j = operation limit temperature | P _{dh} | 3.8 | kW | T _j = operation limit temperature | COP _d | 1.37 | - |
| T _j = - 15 °C (if TOL < - 20 °C) | P _{dh} | - | kW | T _j = - 15 °C (if TOL < - 20 °C) | COP _d | - | - |
| Bivalent temperature | T _{biv} | -7 | °C | Operation limit temperature | TOL | -20 | °C |
| | | | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0.015 | kW | Rated heat output (*) | P _{sup} | 1.9 | kW |
| Thermostat-off mode | P _{TO} | 0.015 | kW | | | | |
| Standby mode | P _{SB} | 0.015 | kW | Type of energy input | | | |
| Crankcase heater mode | P _{CK} | 0.000 | kW | | | | |

| | | | | | | | |
|-------------------------------------|-----------------|----------|-------|-------------------------------|---|------|-------------------|
| Other items | | | | Rated air flow rate, outdoors | - | 2660 | m ³ /h |
| Capacity control | | variable | | | | | |
| Sound power level, indoors/outdoors | L _{WA} | 40/58 | dB(A) | | | | |
| Annual energy consumption | Q _{HE} | 4882 | kWh | | | | |

| | | | | | | | |
|-----------------------------------|-------------------|---|------|---------------------------------|-------------|---|---|
| For heat pump combination heater: | | | | Water heating energy efficiency | η_{wh} | - | % |
| Declared load profile | | - | | | | | |
| Daily electricity consumption | Q _{elec} | - | kW/h | | | | |
| Annual electricity consumption | AEC | - | kW/h | | | | |

Contact details

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

(*) 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.

| | | |
|---------------------------------------|---------------|------------------------------|
| Model(s): | Outdoor unit: | PUHZ-W85VAA |
| | Indoor unit: | EHPX-**** |
| 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: | | no |
| Parameters for | | low-temperature application. |
| Parameters for | | average climate conditions. |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--|------------------|-------|------|--|------------------|-------|------|
| Rated heat output (*) | Prated | 8.5 | kW | Seasonal space heating energy efficiency | η_s | 171 | % |
| 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 | 7.5 | kW | Tj = - 7 °C | COPd | 2.21 | - |
| Degradation co-efficient (**) | Cdh | 0.99 | - | | | | |
| Tj = + 2 °C | Pdh | 4.6 | kW | Tj = + 2 °C | COPd | 4.53 | - |
| Degradation co-efficient (**) | Cdh | 0.98 | - | | | | |
| Tj = + 7 °C | Pdh | 3.4 | kW | Tj = + 7 °C | COPd | 6.28 | - |
| Degradation co-efficient (**) | Cdh | 0.97 | - | | | | |
| Tj = +12 °C | Pdh | 3.2 | kW | Tj = +12 °C | COPd | 8.48 | - |
| Degradation co-efficient (**) | Cdh | 0.95 | - | | | | |
| Tj = bivalent temperature | Pdh | 7.5 | kW | Tj = bivalent temperature | COPd | 2.21 | - |
| Tj = operation limit temperature | Pdh | 3.8 | kW | Tj = operation limit temperature | COPd | 1.30 | - |
| Tj = - 15 °C (if TOL < - 20 °C) | Pdh | - | kW | Tj = - 15 °C (if TOL < - 20 °C) | COPd | - | - |
| Bivalent temperature | Tbiv | -7 | °C | Operation limit temperature | TOL | -20 | °C |
| | | | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0.015 | kW | Rated heat output (*) | P _{sup} | 1.9 | kW |
| Thermostat-off mode | P _{TO} | 0.015 | kW | | | | |
| Standby mode | P _{SB} | 0.015 | kW | Type of energy input | | | |
| Crankcase heater mode | P _{CK} | 0.000 | kW | | | | |

| Other items | | | |
|-------------------------------------|-----------------|----------|-------------------|
| Capacity control | | variable | |
| Sound power level, indoors/outdoors | L _{WA} | 40/58 | dB(A) |
| Annual energy consumption | Q _{HE} | 3903 | kWh |
| Rated air flow rate, outdoors | | 2660 | m ³ /h |

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

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

| | | |
|---------------------------------------|---------------|---------------------------------|
| Model(s): | Outdoor unit: | PUHZ-W85VAA |
| | Indoor unit: | EHPX-**** |
| 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: | | no |
| Parameters for | | medium-temperature application. |
| Parameters for | | colder climate conditions. |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--|------------------|-------|------|--|------------------|-------|------|
| Rated heat output (*) | Prated | 5.3 | kW | Seasonal space heating energy efficiency | η_s | 106 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j | | | |
| T _j = - 7 °C | P _{dh} | 3.2 | kW | T _j = - 7 °C | COP _d | 2.10 | - |
| Degradation co-efficient (**) | C _{dh} | 0.99 | - | | | | |
| T _j = + 2 °C | P _{dh} | 3.8 | kW | T _j = + 2 °C | COP _d | 3.59 | - |
| Degradation co-efficient (**) | C _{dh} | 0.98 | - | | | | |
| T _j = + 7 °C | P _{dh} | 3.2 | kW | T _j = + 7 °C | COP _d | 5.05 | - |
| Degradation co-efficient (**) | C _{dh} | 0.97 | - | | | | |
| T _j = +12 °C | P _{dh} | 3.0 | kW | T _j = +12 °C | COP _d | 6.75 | - |
| Degradation co-efficient (**) | C _{dh} | 0.96 | - | | | | |
| T _j = bivalent temperature | P _{dh} | 4.7 | kW | T _j = bivalent temperature | COP _d | 1.61 | - |
| T _j = operation limit temperature | P _{dh} | 3.8 | kW | T _j = operation limit temperature | COP _d | 1.30 | - |
| T _j = - 15 °C (if TOL < - 20 °C) | P _{dh} | - | kW | T _j = - 15 °C (if TOL < - 20 °C) | COP _d | - | - |
| Bivalent temperature | T _{biv} | -18 | °C | Operation limit temperature | TOL | -20 | °C |
| | | | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0.015 | kW | Rated heat output (*) | P _{sup} | 5.3 | kW |
| Thermostat-off mode | P _{TO} | 0.015 | kW | | | | |
| Standby mode | P _{SB} | 0.015 | kW | Type of energy input | | | |
| Crankcase heater mode | P _{CK} | 0.000 | kW | | | | |

| | | | | | | | |
|-------------------------------------|-----------------|----------|-------|-------------------------------|------|-------------------|--|
| Other items | | | | Rated air flow rate, outdoors | | | |
| Capacity control | | variable | | - | 2660 | m ³ /h | |
| Sound power level, indoors/outdoors | L _{WA} | 40/58 | dB(A) | | | | |
| Annual energy consumption | Q _{HE} | 4579 | kWh | | | | |

| | | | | | | | |
|-----------------------------------|-------------------|---|------|---------------------------------|---|---|--|
| For heat pump combination heater: | | | | Water heating energy efficiency | | | |
| Declared load profile | | - | | η_{wh} | - | % | |
| Daily electricity consumption | Q _{elec} | - | kW/h | | | | |
| Annual electricity consumption | AEC | - | kW/h | | | | |

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

| | | |
|---------------------------------------|---------------|------------------------------|
| Model(s): | Outdoor unit: | PUHZ-W85VAA |
| | Indoor unit: | EHPX-**** |
| 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: | | no |
| Parameters for | | low-temperature application. |
| Parameters for | | colder climate conditions. |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--|------------------|-------|------|--|------------------|-------|------|
| Rated heat output (*) | Prated | 5.3 | kW | Seasonal space heating energy efficiency | η_s | 139 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj | | | |
| Tj = - 7 °C | Pdh | 3.2 | kW | Tj = - 7 °C | COPd | 2.81 | - |
| Degradation co-efficient (**) | Cdh | 0.98 | - | | | | |
| Tj = + 2 °C | Pdh | 4.2 | kW | Tj = + 2 °C | COPd | 4.64 | - |
| Degradation co-efficient (**) | Cdh | 0.98 | - | | | | |
| Tj = + 7 °C | Pdh | 3.5 | kW | Tj = + 7 °C | COPd | 6.38 | - |
| Degradation co-efficient (**) | Cdh | 0.97 | - | | | | |
| Tj = +12 °C | Pdh | 3.1 | kW | Tj = +12 °C | COPd | 7.83 | - |
| Degradation co-efficient (**) | Cdh | 0.96 | - | | | | |
| Tj = bivalent temperature | Pdh | 4.7 | kW | Tj = bivalent temperature | COPd | 2.15 | - |
| Tj = operation limit temperature | Pdh | 3.8 | kW | Tj = operation limit temperature | COPd | 2.04 | - |
| Tj = - 15 °C (if TOL < - 20 °C) | Pdh | - | kW | Tj = - 15 °C (if TOL < - 20 °C) | COPd | - | - |
| Bivalent temperature | Tbiv | -18 | °C | Operation limit temperature | TOL | -20 | °C |
| | | | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0.015 | kW | Rated heat output (*) | P _{sup} | 5.3 | kW |
| Thermostat-off mode | P _{TO} | 0.015 | kW | | | | |
| Standby mode | P _{SB} | 0.015 | kW | Type of energy input | | | |
| Crankcase heater mode | P _{CK} | 0.000 | kW | | | | |

| Other items | | | |
|-------------------------------------|-----------------|----------|-------------------|
| Capacity control | | variable | |
| Sound power level, indoors/outdoors | L _{WA} | 40/58 | dB(A) |
| Annual energy consumption | Q _{HE} | 3465 | kWh |
| Rated air flow rate, outdoors | | 2660 | m ³ /h |

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

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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.

| | | |
|---------------------------------------|---------------|---------------------------------|
| Model(s): | Outdoor unit: | PUHZ-W85VAA |
| | Indoor unit: | EHPX-**** |
| 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: | | no |
| Parameters for | | medium-temperature application. |
| Parameters for | | warmer climate conditions. |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--|------------------|-------|------|--|------------------|-------|------|
| Rated heat output (*) | Prated | 8.5 | kW | Seasonal space heating energy efficiency | η_s | 169 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j | | | |
| T _j = - 7 °C | P _{dh} | - | kW | T _j = - 7 °C | COP _d | - | - |
| Degradation co-efficient (**) | C _{dh} | - | - | | | | |
| T _j = + 2 °C | P _{dh} | 8.5 | kW | T _j = + 2 °C | COP _d | 2.10 | - |
| Degradation co-efficient (**) | C _{dh} | 0.99 | - | | | | |
| T _j = + 7 °C | P _{dh} | 5.5 | kW | T _j = + 7 °C | COP _d | 3.52 | - |
| Degradation co-efficient (**) | C _{dh} | 0.99 | - | | | | |
| T _j = +12 °C | P _{dh} | 2.9 | kW | T _j = +12 °C | COP _d | 6.10 | - |
| Degradation co-efficient (**) | C _{dh} | 0.96 | - | | | | |
| T _j = bivalent temperature | P _{dh} | 7.5 | kW | T _j = bivalent temperature | COP _d | 1.96 | - |
| T _j = operation limit temperature | P _{dh} | 3.8 | kW | T _j = operation limit temperature | COP _d | 1.37 | - |
| T _j = - 15 °C (if TOL < - 20 °C) | P _{dh} | - | kW | T _j = - 15 °C (if TOL < - 20 °C) | COP _d | - | - |
| Bivalent temperature | T _{biv} | -7 | °C | Operation limit temperature | TOL | -20 | °C |
| | | | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0.015 | kW | Rated heat output (*) | P _{sup} | 0.0 | kW |
| Thermostat-off mode | P _{TO} | 0.015 | kW | | | | |
| Standby mode | P _{SB} | 0.015 | kW | Type of energy input | | | |
| Crankcase heater mode | P _{CK} | 0.000 | kW | | | | |

| | | | | | | | |
|-------------------------------------|-----------------|----------|-------|-------------------------------|---|------|-------------------|
| Other items | | | | Rated air flow rate, outdoors | - | 2660 | m ³ /h |
| Capacity control | | variable | | | | | |
| Sound power level, indoors/outdoors | L _{WA} | 40/58 | dB(A) | | | | |
| Annual energy consumption | Q _{HE} | 2587 | kWh | | | | |

| | | | | | | | |
|-----------------------------------|-------------------|---|------|---------------------------------|-------------|---|---|
| For heat pump combination heater: | | | | Water heating energy efficiency | η_{wh} | - | % |
| Declared load profile | | - | | | | | |
| Daily electricity consumption | Q _{elec} | - | kW/h | | | | |
| Annual electricity consumption | AEC | - | kW/h | | | | |

Contact details

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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.

| | | |
|---------------------------------------|---------------|------------------------------|
| Model(s): | Outdoor unit: | PUHZ-W85VAA |
| | Indoor unit: | EHPX-**** |
| 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: | | no |
| Parameters for | | low-temperature application. |
| Parameters for | | warmer climate conditions. |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--|------------------|-------|------|--|------------------|-------|------|
| Rated heat output (*) | Prated | 8.5 | kW | Seasonal space heating energy efficiency | η_s | 245 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j | | | |
| T _j = - 7 °C | P _{dh} | - | kW | T _j = - 7 °C | COP _d | - | - |
| Degradation co-efficient (**) | C _{dh} | - | - | | | | |
| T _j = + 2 °C | P _{dh} | 8.5 | kW | T _j = + 2 °C | COP _d | 3.36 | - |
| Degradation co-efficient (**) | C _{dh} | 0.99 | - | | | | |
| T _j = + 7 °C | P _{dh} | 5.5 | kW | T _j = + 7 °C | COP _d | 5.50 | - |
| Degradation co-efficient (**) | C _{dh} | 0.98 | - | | | | |
| T _j = +12 °C | P _{dh} | 3.1 | kW | T _j = +12 °C | COP _d | 8.15 | - |
| Degradation co-efficient (**) | C _{dh} | 0.96 | - | | | | |
| T _j = bivalent temperature | P _{dh} | 7.5 | kW | T _j = bivalent temperature | COP _d | 2.33 | - |
| T _j = operation limit temperature | P _{dh} | 3.8 | kW | T _j = operation limit temperature | COP _d | 1.37 | - |
| T _j = - 15 °C (if TOL < - 20 °C) | P _{dh} | - | kW | T _j = - 15 °C (if TOL < - 20 °C) | COP _d | - | - |
| Bivalent temperature | T _{biv} | -7 | °C | Operation limit temperature | TOL | -20 | °C |
| | | | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0.015 | kW | Rated heat output (*) | P _{sup} | 0.0 | kW |
| Thermostat-off mode | P _{TO} | 0.015 | kW | | | | |
| Standby mode | P _{SB} | 0.015 | kW | Type of energy input | | | |
| Crankcase heater mode | P _{CK} | 0.000 | kW | | | | |

| Other items | | | |
|-------------------------------------|-----------------|----------|-------------------|
| Capacity control | | variable | |
| Sound power level, indoors/outdoors | L _{WA} | 40/58 | dB(A) |
| Annual energy consumption | Q _{HE} | 1777 | kWh |
| Rated air flow rate, outdoors | | 2660 | m ³ /h |

| For heat pump combination heater: | | | |
|-----------------------------------|-------------------|---|------|
| Declared load profile | | - | |
| Daily electricity consumption | Q _{elec} | - | kW/h |
| Annual electricity consumption | AEC | - | kW/h |
| Water heating energy efficiency | η_{wh} | - | % |

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.