# Technical Data

TOSHIBA

## Air-to-water heat pump

| | | | |
|---|---|---|---|
| Outdoor unit | | | HWT-801H8W-E |
| Indoor unit | | | HWT-1101XWHM3W-E |
| Heat pump combination heater | | | no |
| Capacity control | | | Variable |
| Equipped with a supplementary heater | | | yes |
| Sound power level, indoors/outdoors | LWA | dB | 38/61 |
| Rated air flow | | $m^3/h$ | 3506 |
| Type of energy input | | | 380-415V 3N~.50Hz |

Precautions on installation & maintenance are available in Installation Manuals and Service Manuals

## Medium Temperature application

indoor outlet water temperature 55°C

| For space heating | | | Average climate | Colder climate | Warmer climate |
|---|---|---|---|---|---|
| Rated heat output | Prated | kW | 8 | 7 | 9 |
| Declared capacity for heating for part load at indoor temperature 20 C and outdoor temperature Tj | | | | | |
| Tj = -15 °C | Pdh | kW | - | 5.9 | - |
| Tj = -7 °C | Pdh | kW | 7.3 | 7.3 | - |
| Tj = +2 °C | Pdh | kW | 8.6 | 4.8 | 8.7 |
| Tj = +7 °C | Pdh | kW | 3.9 | 3.9 | 5.7 |
| Tj = +12 °C | Pdh | kW | 4.4 | 4.3 | 4.0 |
| Tj = bivalent temperature | Pdh | kW | 7.3 | 5.9 | 8.7 |
| Tj = operation limit temperature | Pdh | kW | 7.7 | 4.8 | 8.7 |
| Bivalent temperature | T biv | °C | -7.0 | -15.0 | 2.0 |
| Cycling interval capacity for heating | Pcych | kW | - | - | - |
| Degradation co-efficient | Cdh | - | 0.9 | 1.0 | 0.9 |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 C and outdoor temperature Tj | | | | | |
| Tj = -15 °C | Copd | - | - | 2.02 | - |
| Tj = -7 °C | Copd | - | 2.28 | 2.60 | - |
| Tj = +2 °C | Copd | - | 3.12 | 3.76 | 2.60 |
| Tj = +7 °C | Copd | - | 4.67 | 5.53 | 3.75 |
| Tj = +12 °C | Copd | - | 7.51 | 4.04 | 5.91 |
| Tj = bivalent temperature | Copd | - | 2.28 | 2.02 | 2.60 |
| Tj = operation limit temperature | Copd | - | 1.93 | 1.56 | 2.60 |
| Operation limit temperature | TOL | °C | -10 | -22 | 2 |
| Cycling interval efficiency | COPcyc | | - | - | - |
| Seasonal space heating energy efficiency | ns | % | 132 | 120 | 173 |
| Seasonal space heating energy efficiency class | | | A++ | - | - |
| Power consumption in modes other than active mode | | | | | |
| off mode | Poff | kW | 0.011 | 0.011 | 0.011 |
| thermostat-off mode | Pto | kW | 0.052 | 0.052 | 0.052 |
| standby mode | Psb | kW | 0.011 | 0.011 | 0.011 |
| Crankcase heater mode | Pck | kW | 0.000 | 0.000 | 0.000 |
| Rated heat output | Psup | kW | 0.3 | 2.2 | 0.0 |
| Daily electricity consumption | Qelec | kWh | 13.964 | 15.940 | 7.258 |
| Annual electricity consumption | AEC | kWh | 5097 | 5818 | 2649 |

### Contact details

Carrier RLC Europe S.A.S - Route de Thil, 01120, Montluel,France

# Technical Data

TOSHIBA

## Air-to-water heat pump

| | | | |
|---|---|---|---|
| Outdoor unit | | | HWT-801H8W-E |
| Indoor unit | | | HWT-1101XWHM3W-E |
| Heat pump combination heater | | | no |
| Capacity control | | | Variable |
| Equipped with a supplementary heater | | | yes |
| Sound power level, indoors/outdoors | LWA | dB | 38/61 |
| Rated air flow | | $m^3/h$ | 3506 |
| Type of energy input | | | 380-415V 3N~.50Hz |

Precautions on installation & maintenance are available in Installation Manuals and Service Manuals

## Low Temperature application

indoor outlet water temperature 35°C

| For space heating | | | Average climate | Colder climate | Warmer climate |
|---|---|---|---|---|---|
| Rated heat output | Prated | kW | 9 | 8 | 9 |
| Declared capacity for heating for part load at indoor temperature 20 C and outdoor temperature Tj | | | | | |
| Tj = -15 °C | Pdh | kW | - | 6.2 | - |
| Tj = -7 °C | Pdh | kW | 7.6 | 5.4 | - |
| Tj = +2 °C | Pdh | kW | 4.7 | 4.9 | 8.7 |
| Tj = +7 °C | Pdh | kW | 3.8 | 3.8 | 5.7 |
| Tj = +12 °C | Pdh | kW | 4.3 | 4.3 | 4.3 |
| Tj = bivalent temperature | Pdh | kW | 7.6 | 6.2 | 8.7 |
| Tj = operation limit temperature | Pdh | kW | 6.9 | 4.8 | 8.7 |
| Bivalent temperature | T biv | °C | -7.0 | -15.0 | 2.0 |
| Cycling interval capacity for heating | Pcych | kW | - | - | - |
| Degradation co-efficient | Cdh | | 0.9 | 0.9 | 0.9 |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 C and outdoor temperature Tj | | | | | |
| Tj = -15 °C | Copd | - | - | 2.55 | - |
| Tj = -7 °C | Copd | - | 2.94 | 3.19 | - |
| Tj = +2 °C | Copd | - | 4.33 | 4.75 | 3.66 |
| Tj = +7 °C | Copd | - | 6.16 | 6.73 | 5.76 |
| Tj = +12 °C | Copd | - | 8.76 | 8.61 | 8.08 |
| Tj = bivalent temperature | Copd | - | 2.94 | 2.55 | 3.66 |
| Tj = operation limit temperature | Copd | - | 2.68 | 2.04 | 3.66 |
| Operation limit temperature | TOL | °C | -10 | -22 | 2 |
| Cycling interval efficiency | COPcyc | | - | - | - |
| Seasonal space heating energy efficiency | ns | % | 177 | 151 | 246 |
| Seasonal space heating energy efficiency class | | | A+++ | - | - |
| Power consumption in modes other than active mode | | | | | |
| off mode | Poff | kW | 0.011 | 0.011 | 0.011 |
| thermostat-off mode | Pto | kW | 0.052 | 0.052 | 0.052 |
| standby mode | Psb | kW | 0.011 | 0.011 | 0.011 |
| Crankcase heater mode | Pck | kW | 0.000 | 0.000 | 0.000 |
| Rated heat output | Psup | kW | 2.1 | 3.2 | 0.0 |
| Daily electricity consumption | Qelec | kWh | 13.964 | 15.940 | 7.258 |
| Annual electricity consumption | AEC | kWh | 3945 | 4878 | 1868 |

### Contact details

Carrier RLC Europe S.A.S - Route de Thil, 01120, Montluel,France