

Product information (in accordance with EU regulation no. 813/2013)

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|---|------------|-----|----------------------------|
| 1 | Brand name | | Vaillant |
| 2 | Models | I | VWL 55/6 A 230V S2 (55°C) |
| | | II | VWL 75/6 A 230V S2 (55°C) |
| | | III | VWL 125/6 A 230V S2 (55°C) |
| | | IV | VWL 125/6 A S2 (55°C) |
| | | V | - |
| | | VI | - |

| | | | I | II | III | IV | V | VI | |
|----|--|--|---------|----------|----------|----------|----------|----|---|
| 17 | Air/water heat pump | | ✓ | ✓ | ✓ | ✓ | - | - | |
| 18 | Water/water heat pump | | - | - | - | - | - | - | |
| 19 | Brine/water heat pump | | - | - | - | - | - | - | |
| 20 | Low temperature heat pump | | - | - | - | - | - | - | |
| 21 | Equipped with a supplementary heater | | - | - | - | - | - | - | |
| 22 | Combination heater | | - | - | - | - | - | - | |
| 23 | Room heating: Nominal heat output(*11) | P_{rated} | kW | 5 | 6 | 12 | 12 | - | - |
| 24 | Room heating: Seasonal energy efficiency | η_s | % | 129 | 133 | 146 | 146 | - | - |
| 25 | Tj = -7 °C(*6) | $P_{dh -7^\circ}$ | kW | 4,3 | 5,4 | 10,4 | 10,4 | - | - |
| 26 | Tj = +2 °C(*6) | $P_{dh +2^\circ}$ | kW | 2,5 | 3,5 | 6,4 | 6,4 | - | - |
| 27 | Tj = +7 °C(*6) | $P_{dh +7^\circ}$ | kW | 2,1 | 3,0 | 5,7 | 5,7 | - | - |
| 28 | Tj = +12 °C(*6) | $P_{dh +12^\circ}$ | kW | 2,5 | 3,6 | 6,6 | 6,6 | - | - |
| 29 | Tj = Bivalence temperature(*6) | P_{dh} | kW | 4,3 | 5,4 | 10,4 | 10,4 | - | - |
| 30 | Tj = Operating limit value temperature(*6) | P_{dh} | kW | 4,6 | 4,9 | 9,8 | 9,8 | - | - |
| 31 | Tj = -15 °C(*6) | $P_{dh -15^\circ}$ | kW | - | - | - | - | - | - |
| 32 | Bivalence temperature | T_{div} | °C | -7 | -7 | -7 | -7 | - | - |
| 33 | Output for cyclical interval heating mode | P_{cyc} | kW | - | - | - | - | - | - |
| 34 | Degradation coefficient | C_{dh} | | 0,96 | 0,95 | 0,96 | 0,95 | - | - |
| 35 | Tj = -7 °C(*7) | COP_{dh} | | 2,11 | 2,13 | 2,10 | 2,10 | - | - |
| 36 | Tj = +2 °C(*7) | COP_{dh} | | 3,19 | 3,36 | 3,73 | 3,73 | - | - |
| 37 | Tj = +7 °C(*7) | COP_{dh} | | 4,40 | 4,60 | 5,27 | 5,27 | - | - |
| 38 | Tj = +12 °C(*7) | COP_{dh} | | 6,03 | 6,18 | 6,64 | 6,64 | - | - |
| 39 | Tj = Bivalence temperature(*7) | COP_{dh} | | 2,11 | 2,13 | 2,10 | 2,10 | - | - |
| 40 | Tj = Operating limit value temperature(*7) | COP_{dh} | | 1,86 | 1,88 | 1,87 | 1,87 | - | - |
| 41 | Tj = -15 °C(*7) | COP_{dh} | | - | - | - | - | - | - |
| 42 | Operating limit temperature | TOL | °C | -10 | -10 | -10 | -10 | - | - |
| 43 | Cycling interval efficiency(*7) | COP_{opc} | % | - | - | - | - | - | - |
| 44 | Limit value for the heating water's operating temperature | $WTOL$ | °C | 70 | 70 | 70 | 70 | - | - |
| 45 | Power consumption: Off-mode | P_{OFF} | kW | 0,008 | 0,008 | 0,008 | 0,014 | - | - |
| 46 | Power consumption: "Temperature controller off" | P_{TO} | kW | 0,017 | 0,029 | 0,045 | 0,051 | - | - |
| 47 | Power consumption: Standby-mode | P_{SB} | kW | 0,017 | 0,029 | 0,045 | 0,051 | - | - |
| 48 | Power consumption: Operating status with crankcase heating | P_{CK} | kW | 0,000 | 0,000 | 0,000 | 0,000 | - | - |
| 49 | Nominal heat output for auxiliary heating | P_{sup} | kW | 0,0 | 0,0 | 0,0 | 0,0 | - | - |
| 50 | Type of energy input for the auxiliary boiler | | | electric | electric | electric | electric | - | - |
| 51 | Controlling output under average climate conditions | | | variable | variable | variable | variable | - | - |
| 52 | Sound power level, indoor | $L_{WA indoor}$ | dB(A) | - | - | - | - | - | - |
| 53 | Sound power level, outdoor | $L_{WA outdoor}$ | dB(A) | 54 | 55 | 60 | 59 | - | - |
| 54 | Nitrogen oxide emissions | NO_x | mg/kWh | - | - | - | - | - | - |
| 55 | For air-to-water heat pumps: Rated air flow rate, outdoors | | m^3/h | 2.220 | 2.120 | 4.460 | 4.460 | - | - |
| 56 | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | | m^3/h | - | - | - | - | - | - |
| 57 | Manufacturer's address | Vaillant GmbH Berghauser Str. 40 42859 Remscheid Germany | | | | | | | |

(*6) Specified output in heating mode for partial load at room-air temperature and outside-air temperature Tj

(*7) Specified coefficient of performance or primary energy ratio for partial load at room-air temperature and outside-air temperature Tj

(*11) For boilers and combination boilers with a heat pump, the nominal heat output "Prated" is the same as the design load in heating mode "Pdesignh", and the nominal heat output for an auxiliary boiler "Psup" is the same as the additional heating output "sup(Tj)"

