

Technical parameters

Model(s):	Outdoor unit: MHA-V6W/D2N8-B Indoor unit: HB-A60/CGN8-B																																																																																																																																																																																																																																										
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:	NO																																																																																																																																																																																																																																										
Declared climate condition:	AVERAGE																																																																																																																																																																																																																																										
Parameters are declared for medium-temperature application.																																																																																																																																																																																																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Item</th> <th style="width: 10%;">Symbol</th> <th style="width: 15%;">Value</th> <th style="width: 10%;">Unit</th> <th style="width: 25%;">Item</th> <th style="width: 10%;">Symbol</th> <th style="width: 15%;">Value</th> <th style="width: 10%;">Unit</th> </tr> </thead> <tbody> <tr> <td>Rated heat output (*)</td> <td>Prated</td> <td>5.7</td> <td>kW</td> <td>Seasonal space heating energy efficiency</td> <td>η_s</td> <td>137.9</td> <td>%</td> </tr> <tr> <td colspan="4">Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj</td> <td colspan="4">Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj</td> </tr> <tr> <td>Tj = -7 °C</td> <td>Pdh</td> <td>5.04</td> <td>kW</td> <td>Tj = -7 °C</td> <td>COPd</td> <td>2.17</td> <td>-</td> </tr> <tr> <td>Tj = 2 °C</td> <td>Pdh</td> <td>3.12</td> <td>kW</td> <td>Tj = 2 °C</td> <td>COPd</td> <td>3.51</td> <td>-</td> </tr> <tr> <td>Tj = 7 °C</td> <td>Pdh</td> <td>2.08</td> <td>kW</td> <td>Tj = 7 °C</td> <td>COPd</td> <td>4.54</td> <td>-</td> </tr> <tr> <td>Tj = 12 °C</td> <td>Pdh</td> <td>1.28</td> <td>kW</td> <td>Tj = 12 °C</td> <td>COPd</td> <td>5.59</td> <td>-</td> </tr> <tr> <td>Tj = bivalent temperature</td> <td>Pdh</td> <td>5.04</td> <td>kW</td> <td>Tj = bivalent temperature</td> <td>COPd</td> <td>2.17</td> <td>-</td> </tr> <tr> <td>Tj = operating limit</td> <td>Pdh</td> <td>4.52</td> <td>kW</td> <td>Tj = operating limit</td> <td>COPd</td> <td>1.91</td> <td>-</td> </tr> <tr> <td>For air-to-water heat pumps: Tj = -15 °C</td> <td>Pdh</td> <td>-</td> <td>kW</td> <td>For air-to-water heat pumps: Tj = -15 °C</td> <td>COPd</td> <td>-</td> <td>-</td> </tr> <tr> <td>Bivalent temperature</td> <td>Tbiv</td> <td>-7</td> <td>°C</td> <td>For air-to-water heat pumps: Operation limit temperature</td> <td>TOL</td> <td>-10</td> <td>°C</td> </tr> <tr> <td>Cycling interval capacity for heating</td> <td>P_{cyh}</td> <td>-</td> <td>kW</td> <td>Cycling interval efficiency</td> <td>COP_{cyh}</td> <td>-</td> <td>-</td> </tr> <tr> <td>Degradation co-efficient (**)</td> <td>Cdh</td> <td>0.9</td> <td>--</td> <td>Heating water operating limit temperature</td> <td>WTOL</td> <td>60</td> <td>°C</td> </tr> <tr> <td colspan="4">Power consumption in modes other than active mode</td> <td colspan="4">Supplementary heater</td> </tr> <tr> <td>Off mode</td> <td>P_{off}</td> <td>0.014</td> <td>kW</td> <td rowspan="2">Rated heat output (**)</td> <td rowspan="2">P_{sup}</td> <td rowspan="2">1.18</td> <td rowspan="2">kW</td> </tr> <tr> <td>Standby mode</td> <td>P_{sb}</td> <td>0.014</td> <td>kW</td> </tr> <tr> <td>Thermostat-off mode</td> <td>P_{to}</td> <td>0.024</td> <td>kW</td> <td>Type of energy input</td> <td colspan="3">Electrical</td> </tr> <tr> <td>Crankcase heater mode</td> <td>P_{ck}</td> <td>0.000</td> <td>kW</td> <td colspan="4"></td> </tr> <tr> <td colspan="4">Other items</td> <td colspan="4"></td> </tr> <tr> <td>Capacity control</td> <td colspan="3">variable</td> <td>For air-to-water heat pumps: Rated air flow rate, outdoors</td> <td>-</td> <td>2770</td> <td>m³/h</td> </tr> <tr> <td>Sound power level, indoors/outdoors</td> <td>L_{WA}</td> <td>38/58</td> <td>dB</td> <td>For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger</td> <td>-</td> <td>-</td> <td>m³/h</td> </tr> <tr> <td>Annual energy consumption</td> <td>Q_{HE}</td> <td>3345</td> <td>kWh</td> <td colspan="4"></td> </tr> <tr> <td colspan="8">For heat pump combination heater:</td> </tr> <tr> <td>Declared load profile</td> <td colspan="3">-</td> <td>Water heating energy efficiency</td> <td>η_{wh}</td> <td>-</td> <td>%</td> </tr> <tr> <td>Daily electricity consumption</td> <td>Q_{elec}</td> <td>-</td> <td>kWh</td> <td>Daily fuel consumption</td> <td>Q_{fuel}</td> <td>-</td> <td>kWh</td> </tr> <tr> <td>Annual electricity consumption</td> <td>AEC</td> <td>-</td> <td>kWh</td> <td>Annual fuel consumption</td> <td>AFC</td> <td>-</td> <td>GJ</td> </tr> <tr> <td>Contact details</td> <td colspan="7">GD Midea Heating & Ventilating Equipment Co. 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