

**Product fiche** concerning the  
COMMISSION DELEGATED REGULATIONS

(EU)No 811/2021 of 18 February 2013

(EU)No 811/2021 of 02 August 2013

Models: Outdoor Unit: AOWD\_MB\_AT10

Indoor Unit: None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for Medium-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output	Prated	9.033	kW
Seasonal space heating energy efficiency	$\eta_s$	155.5	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	3.96	kWh/kWh
Annual Energy consumption	QHE	4710	kWh
Sound power level indoors/outdoors	LWA	57	dB(A)

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	7.991	kW	Tj = -7°C	COPd	2.41	
Tj = +2°C	Pdh	4.884	kW	Tj = +2°C	COPd	3.77	
Tj = +7°C	Pdh	5.813	kW	Tj = +7°C	COPd	5.43	
Tj = +12°C	Pdh	6.471	kW	Tj = +12°C	COPd	7.33	
Tj = bivalent temperature	Pdh	7.991	kW	Tj = bivalent temperature	COPd	2.41	
Tj = operation limit temperature	Pdh	9.191	kW	Tj = operation limit temperature	COPd	2.02	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	75	°C
<b>Power consumption in modes other than active mode</b>				<b>Supplementary Heater</b>			
Off Mode	P <sub>OFF</sub>	0.009	kW	Rate heat output	P <sub>sup</sub>	-	kW

Thermostat-off mode	P <sub>TO</sub>	0.009	kW			
Standby mode	P <sub>SB</sub>	0.009	kW	Type of energy input	-	
Crankcase heater mode	P <sub>CK</sub>	0.042	kW			
<b>Other items</b>						
Capacity control	Variable			Rated airflow rate, outdoors	-	m <sup>3</sup> /h
Outlet temperature capacity control	Variable					
Water flow rate capacity control	Fixed					

Models: Outdoor Unit: AOWD\_MB\_AT10

Indoor Unit: None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output	Prated	9.462	kW
Seasonal space heating energy efficiency	ηs	201.5	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	5.11	kWh/kWh
Annual Energy consumption	QHE	3823	kWh
Sound power level indoors/outdoors	LWA	57	dB(A)

Declared capacity for heating for part load at indoor Temperature 20°C and outdoor temperature T<sub>j</sub>

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T<sub>j</sub>

T <sub>j</sub> = -7°C	P <sub>dh</sub>	8.371	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	3.24	
T <sub>j</sub> = +2°C	P <sub>dh</sub>	5.263	kW	T <sub>j</sub> = +2°C	COP <sub>d</sub>	4.95	
T <sub>j</sub> = +7°C	P <sub>dh</sub>	5.853	kW	T <sub>j</sub> = +7°C	COP <sub>d</sub>	6.66	
T <sub>j</sub> = +12°C	P <sub>dh</sub>	6.624	kW	T <sub>j</sub> = +12°C	COP <sub>d</sub>	8.68	
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.371	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.24	
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	10.176	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	2.85	
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	75	°C
<b>Power consumption in modes other than active mode</b>				<b>Supplementary Heater</b>			

Off Mode	P <sub>OFF</sub>	0.009	kW	Rate heat output	P <sub>sup</sub>	-	kW
Thermostat-off mode	P <sub>TO</sub>	0.009	kW				
Standby mode	P <sub>SB</sub>	0.009	kW	Type of energy input	-		
Crankcase heater mode	P <sub>CK</sub>	0.042	kW				
<b>Other items</b>							
Capacity control	Variable			Rated airflow rate, outdoors		-	m <sup>3</sup> /h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						