

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-AT6

Indoor Unit: None

<u>Air-to-water heat pump</u>	<u>Yes</u>
<u>Brine-to-water heat pump</u>	<u>No</u>
<u>Low temperature heat pump</u>	<u>No</u>
<u>Equipped with a supplementary heater</u>	<u>No</u>
<u>Heat Pump Combination Heater</u>	<u>No</u>
<u>Parameters shall be declared for</u>	<u>Medium-temperature applications</u>
<u>Parameters shall be declared for</u>	<u>Average Climate Conditions</u>

Item	Symbol	Value	Unit
Rated Heat Output	Prated	4.771	kW
Seasonal space heating energy efficiency	η_s	150.1	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	3.83	kWh/kWh
Annual Energy consumption	QHE	2575	kWh
Sound power level indoors/outdoors	LWA	60	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	4.220	kW	Tj = -7°C	COPd	2.33	
Tj = +2°C	Pdh	2.732	kW	Tj = +2°C	COPd	3.68	
Tj = +7°C	Pdh	2.618	kW	Tj = +7°C	COPd	5.07	
Tj = +12°C	Pdh	3.015	kW	Tj = +12°C	COPd	7.35	
Tj = bivalent temperature	Pdh	4.220	kW	Tj = bivalent temperature	COPd	2.33	
Tj = operation limit temperature	Pdh	4.730	kW	Tj = operation limit temperature	COPd	2.08	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			

Off Mode	P _{OFF}	0.010	kW	Rate heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0.010	kW				
Standby mode	P _{SB}	0.010	kW	Type of energy input	-		
Crankcase heater mode	P _{CK}	0.042	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		-	m ³ /h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						

Models: Outdoor Unit: AOWD-MB-AT6

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	4.955	kW
Seasonal space heating energy efficiency	η_s	204.9	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	5.20	kWh/kWh
Annual Energy consumption	QHE	1970	kWh
Sound power level indoors/outdoors	LWA	60	dB(A)

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}	4.384	kW	T _j = -7°C	COP _d	3.26	
T _j = +2°C	P _{dh}	2.900	kW	T _j = +2°C	COP _d	4.98	
T _j = +7°C	P _{dh}	2.097	kW	T _j = +7°C	COP _d	6.81	
T _j = +12°C	P _{dh}	2.501	kW	T _j = +12°C	COP _d	9.66	
T _j = bivalent temperature	P _{dh}	4.384	kW	T _j = bivalent temperature	COP _d	3.26	
T _j = operation limit temperature	P _{dh}	5.094	kW	T _j = operation limit temperature	COP _d	2.87	

Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	POFF	0.010	kW	Rate heat output	Psup	-	kW
Thermostat-off mode	PTO	0.010	kW				
Standby mode	PSB	0.010	kW	Type of energy input	-		
Crankcase heater mode	PCK	0.042	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		-	m ³ /h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						