

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_AT10T

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	η_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
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.009	kW	Rate heat output	P _{sup}	-	kW

Thermostat-off mode	P _{TO}	0.009	kW				
Standby mode	P _{SB}	0.009	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_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	η_s	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_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}	8.371	kW	T _j = -7°C	COP _d	3.24	
T _j = +2°C	P _{dh}	5.263	kW	T _j = +2°C	COP _d	4.95	
T _j = +7°C	P _{dh}	5.853	kW	T _j = +7°C	COP _d	6.66	
T _j = +12°C	P _{dh}	6.624	kW	T _j = +12°C	COP _d	8.68	
T _j = bivalent temperature	P _{dh}	8.371	kW	T _j = bivalent temperature	COP _d	3.24	
T _j = operation limit temperature	P _{dh}	10.176	kW	T _j = operation limit temperature	COP _d	2.85	
Bivalent temperature	T _{biv}	-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}	0.009	kW	Rate heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0.009	kW				
Standby mode	P _{SB}	0.009	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						