

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-AT17T
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	12.343	kW
Seasonal space heating energy efficiency	η_s	144.9	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.70	kWh/kWh
Annual Energy consumption	QHE	6895	kWh
Sound power level indoors/outdoors	LWA	62	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	10.919	kW	Tj = -7°C	COPd	2.34	
Tj = +2°C	Pdh	6.803	kW	Tj = +2°C	COPd	3.58	
Tj = +7°C	Pdh	7.364	kW	Tj = +7°C	COPd	4.74	
Tj = +12°C	Pdh	7.390	kW	Tj = +12°C	COPd	6.12	
Tj = bivalent temperature	Pdh	10.919	kW	Tj = bivalent temperature	COPd	2.34	
Tj = operation limit temperature	Pdh	12.334	kW	Tj = operation limit temperature	COPd	2.06	
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}	0.011	kW	Rated heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0.011	kW				

Standby mode	P _{SB}	0.011	kW	Type of energy input	-		
Crankcase heater mode	P _{CK}	0.017	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5000	m ³ /h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						

Models:

Outdoor Unit: AOWD-MB-AT17T

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	12.553	kW
Seasonal space heating energy efficiency	η_s	193.4	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.91	kWh/kWh
Annual Energy consumption	QHE	5281	kWh
Sound power level indoors/outdoors	LWA	62	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}	11.105	kW	T _j = -7°C	COP _d	3.23	
T _j = +2°C	P _{dh}	6.886	kW	T _j = +2°C	COP _d	4.83	
T _j = +7°C	P _{dh}	7.302	kW	T _j = +7°C	COP _d	6.04	
T _j = +12°C	P _{dh}	7.778	kW	T _j = +12°C	COP _d	7.46	
T _j = bivalent temperature	P _{dh}	11.105	kW	T _j = bivalent temperature	COP _d	3.23	
T _j = operation limit temperature	P _{dh}	12.608	kW	T _j = operation limit temperature	COP _d	2.89	
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}	0.011	kW	Rated heat output	P _{sup}	-	kW

Thermostat-off mode	P _{TO}	0.011	kW				
Standby mode	P _{SB}	0.011	kW	Type of energy input	-		
Crankcase heater mode	P _{CK}	0.017	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5000 m ³ /h	
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						

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