

Product fiche concerning the
COMMISSION DELEGATED REGULATIONS

(EU)No 811/2021 of 18 February 2013

(EU)No 811/2021 of 02 August 2013

Modelo : Outdoor Unit: Indoor 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	11.956	kW
Seasonal space heating energy efficiency	η_s	150.6	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	3.84	kWh/kWh
Annual Energy consumption	QHE	6432	kWh
Sound power level indoors/outdoors	LWA	64	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	10.576	kW	Tj = -7°C	COPd	2.33	
Tj = +2°C	Pdh	6.438	kW	Tj = +2°C	COPd	3.67	
Tj = +7°C	Pdh	7.584	kW	Tj = +7°C	COPd	5.16	
Tj = +12°C	Pdh	8.047	kW	Tj = +12°C	COPd	7.35	
Tj = bivalent temperature	Pdh	10.576	kW	Tj = bivalent temperature	COPd	2.33	
Tj = operation limit temperature	Pdh	12.054	kW	Tj = operation limit temperature	COPd	1.98	
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	Rate 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}	0.058	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_AT17

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	12.620	kW
Seasonal space heating energy efficiency	η_s	190.4	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.84	kWh/kWh
Annual Energy consumption	QHE	5391	kWh
Sound power level indoors/outdoors	LWA	64	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}	11.164	kW	T _j = -7°C	COP _d	3.36	
T _j = +2°C	P _{dh}	6.640	kW	T _j = +2°C	COP _d	4.78	
T _j = +7°C	P _{dh}	7.728	kW	T _j = +7°C	COP _d	6.20	
T _j = +12°C	P _{dh}	8.176	kW	T _j = +12°C	COP _d	8.15	
T _j = bivalent temperature	P _{dh}	11.164	kW	T _j = bivalent temperature	COP _d	3.36	
T _j = operation limit temperature	P _{dh}	12.565	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	Rate 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}	0.058	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		-	m ³ /h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						