Product fiche concerning the COMMISSION DELEGATED REGULATIONS (EU)No 811/2013 of 18 February 2013 (EU)No 813/2013 of 02 August 2013

Models:	Outdoor Unit: AOWD-2MB-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	Colder Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	17.0	kW
Seasonal space heating energy efficiency	ηs	127.3	%
Energy Classes		-	
Seasonal Coefficient of Performance	SCOP	3.26	kWh/kWh
Annual Energy consumption	QHE	12863	kWh
Sound power level indoors/outdoors	LWA	63	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

	arenj		particular at match temperature 20 0 and outdoor temperature rj					
Tj = -7°C	Pdh	10.56	kW	Tj = -7°C	COPd	2.89		
Degradation Coefficient (**)	Cdh	0.90	-					
Tj = +2°C	Pdh	6.45	kW	Tj = +2°C	COPd	3.83		
Degradation Coefficient (**)	Cdh	0.90	-					
Tj = +7°C	Pdh	5.63	kW	Tj = +7°C	COPd	5.12		
Degradation Coefficient (**)	Cdh	0.90	-					
Tj = +12°C	Pdh	5.66	kW	Tj = +12°C	COPd	6.36		
Degradation Coefficient (**)	Cdh	0.90	-					
Tj = bivalent temperature	Pdh	12.60	kW	Tj = bivalent temperature	COPd	2.22		
Tj = operation limit temperature (***)	Pdh	10.00	kW	Tj = operation limit temperature	COPd	1.59		
T j = – 15 ° C (if TOL < – 20 ° C)	Pdh	13.30	kW	T j = -15 ° C (if TOL < -20 °	COPd	2.00		
Degradation Coefficient (**)	Cdh	0.90	-	C)				
Bivalent temperature	Tbiv	-12	°C	Operation limit temperature	TOL	-25	°C	
Reference design temperature	Tdesignh	-22	°C	Heating water operating limit	WTOL	75	°C	

				temperature			
						•	
Power consumption in modes other	than activ	e mode		Supplementary Heater			
Off Mode	POFF	0.011	kW	Rated heat output (*)	Psup	7.00	kW
Thermostat-off mode	Рто	0.012	kW				
Standby mode	Psb	0.011	kW	Type of energy input	-		
Crankcase heater mode	Рск	0.086	kW				
Other items							
Other items							
Capacity control	Va	Variable		Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Va	riable					
Water flow rate capacity control	F	ixed					
(*) For heat pump space heaters and heating <i>Pdesignh</i> , and the rated heat <i>sup(Tj)</i> . (**) Cdh shall be determined for each is Cdh = 0.9	output of a	supplement	ary hea	ter <i>Psup</i> is equal to the supplementa	ary capacity	for heatir	ng

(***) If the declared *TOL* is lower than the *T*designh of the considered climate, then the outdoor dry bulb temperature is equal to *T*designh for the part load

Models:	Outdoor Unit: AOWD-2MB-AT17T Indoor Unit: None
	Indoor Onit. 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	Colder Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output	Prated	17.0	kW
Seasonal space heating energy efficiency	ηs	154.1	%
Energy Classes		-	
Seasonal Coefficient of Performance	SCOP	3.93	kWh/kWh
Annual Energy consumption	QHE	10670	kWh
Sound power level indoors/outdoors	LWA	63	dB(A)

Declared capacity for heating for part load at indoor

Declared coefficient of performance or primary energy ratio for

Temperature 20°C and outdoor temperature Tj

part load at indoor temperature 20°C and outdoor temperature Tj

							,
Tj = -7°C	Pdh	10.50	kW	Tj = -7°C	COPd	3.45	
Degradation Coefficient (**)	Cdh	0.90	-				
Tj = +2°C	Pdh	6.40	kW	Tj = +2°C	COPd	4.63	
Degradation Coefficient (**)	Cdh	0.90	-				
Tj = +7°C	Pdh	5.65	kW	Tj = +7°C	COPd	6.30	
Degradation Coefficient (**)	Cdh	0.90	-				
Tj = +12°C	Pdh	5.85	kW	Tj = +12°C	COPd	7.75	
Degradation Coefficient (**)	Cdh	0.90	-				
Tj = bivalent temperature	Pdh	12.60	kW	Tj = bivalent temperature	COPd	2.57	
Tj = operation limit temperature (***)	Pdh	11.00	kW	Tj = operation limit temperatur (***)	COPd	2.04	
T j = – 15 ° C (if TOL < – 20 ° C)	Pdh	13.30	kW	Tj = -15°C	COPd	2.52	
Degradation Coefficient (**)	Cdh	0.90	-				
Bivalent temperature	Tbiv	-12	°C	Operation limit temperature	TOL	-25	°C
Reference design temperature	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	75	°C

Power consumption in modes other than active mode			Supplementary Heater				
Off Mode	POFF	0.011	kW	Rated heat output (*)	Psup	6.00	kW
Thermostat-off mode	P _{TO}	0.012	kW				
Standby mode	Psb	0.011	kW	Type of energy input	-	•	•
Crankcase heater mode	Рск	0.086	kW				

Other items					
Capacity control	Variable		Rated airflow rate, outdoors	5500	m³/h
Outlet temperature capacity control	Variable				
Water flow rate capacity control	Fixed				

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output *Prated* is equal to the design load for heating *Pdesignh*, and the rated heat output of a supplementary heater *Psup* is equal to the supplementary capacity for heating *sup(Tj)*.

(**) Cdh shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is Cdh = 0,9

(***) If the declared *TOL* is lower than the *T*designh of the considered climate, then the outdoor dry bulb temperature is equal to *T*designh for the part load