Information requirements for heat pump space heaters and heat pump combination heaters - Commission Regulation (EU) No 813/2013

Indoor Model	Vitocal 222-A AWOT-M-E 221.A06
Outdoor Model	Vitocal 200-A AWO-M-E 201.A06
Air-to-water heat pump	yes
Water-to-water heat pump	no
Brine-to-water heat pump	no
Low-temperature heat pump	no
Equipped with a supplementary heater	yes
Heat pump combination heater	yes

Low temperature Average

Application Climate conditions



Rated heat output	Prated	6	kW
Declared capacity for heating for part load at indoor temperature	e 20 °C an	d outdoor	
temperature Tj			
T _i = - 7 °C	Pdh	4.9	kW
$T_j = +2 °C$	Pdh	3.0	kW
T _j = + 7 °C	Pdh	3.1	kW
T _j = + 12 °C	Pdh	3.0	kW
T _j = bivalent temperature	Pdh	4.9	kW
T _j = operation limit temperature	Pdh	4.5	kW
T _j = - 15 °C (if TOL < -20 °C)	Pdh		kW
Bivalent temperature	T _{biv}	-7	°C
Cycling interval capacity for heating	Pcych		kW
Degradation coefficient	Cdh	0.98	
Power consumption in modes other than active mode			
Off mode	P OFF	0.011	kW
Thermostat-off mode	P 70	0.000	kW
Standby mode	P _{SB}	0.016	kW
Crankcase heater mode	Р _{СК}	0.000	kW
Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	39/53	dB
Annual energy consumption	Q _{HE}	2569	kWh
For heat pump combination heater			
Declared load profile		L	
Daily electric consumption	Q _{elec}	4.153	kWh
Annual electricity consumption	AEC	886	kWh
Standby cylinder heat loss		1104	Wh/day

Seasonal space heating energy efficiency	η _s	172	%
Declared coefficient of performance for part load at indoor tert temperature Tj	mperature 20	°C and out	door
T _j = - 7 °C	COP_{d}	2.8	
$T_j = + 2 °C$	COPd	4.3	
$T_j = +7 °C$	COPd	5.8	1
T _j = + 12 °C	COPd	7.2	1
T _j = bivalent temperature	COPd	2.8	
T _j = operation limit temperature	COPd	2.6	
T _j = - 15 °C (if TOL < -20 °C)	COPd		
Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COPcyc		1
Heating water operating limit temperature	WTOL	60	°C
Supplementary heater			
Rated heat output	Psup	9.0	kW
Type of energy input		Electric	
Rated air flow rate, outdoors		2250	m³/h
Water heating energy efficiency	η _{wh}	119	%
	Q _{fuel}		kWh
Daily fuel consumption Annual fuel consumption	Q fuel AFC		kWh
Reference hot water temperature	AFC	52.5	°C
DHW volume accounted for in test		290	Ĩ

e		
Prated	5	kW
	-	KVV
Pdh	4.9	kW
Pdh	3.3	kW
Pdh	3.0	kW
Pdh	2.9	kW
Pdh	4.9	kW
Pdh	4.7	kW
Pdh		kW
T _{biv}	-7	°C
Pcych		kW
Cdh	0.98	
Р _{SB} Р _{СК}	0.016 0.000	kW kW
	variable	
L _{WA}	39/54	dB
Q _{HE}	3447	kWh
	L	
Q elec	4.153	kWh
AEC	886	kWh
	1104	Wh/day
	temperature 20 °C and Pdh Pdh Pdh Pdh Pdh Pdh T biv Pcych Cdh B Porf P To P SB P ck L WA Q HE	temperature 20 °C and outdoor Pdh 4.9 Pdh 3.3 Pdh 2.9 Pdh 4.9 Pdh 4.7 Pdh 4.7 Pdh 4.7 Pdh 4.7 Pdh 7 Cdh 0.98 $P \circ F$ 0.011 $P \circ C \circ H$ 0.98 $P \circ F$ 0.011 $P \circ C \circ H$ 0.000 $P \circ B P \circ F$ 0.011 $P \circ C \circ H$ 0.000 $P \circ B P \circ F$ 0.001 L_{WA} 39/54 39/54 3447 Q_{elec} L 4.153

Seasonal space heating energy efficiency		25	%
Declared coefficient of performance for part load at inde	oor temperature 20 °C ar	nd outo	loor
temperature Tj			
T _i = - 7 °C	COP _d 2	.0	
$T_i = +2 °C$	°	.1	
$T_i = +7 °C$.1	
T _i = + 12 °C	°	.5	
$T_i = bivalent temperature$.0	
T _i = operation limit temperature	°	.8	
T _i = - 15 °C (if TOL < -20 °C)	COPd		
Operation limit temperature	TOL -	10	°C
Cycling interval efficiency	COPcyc		
Heating water operating limit temperature	WTOL 6	60	°C
Supplementary heater	Davia 🗌 🗖	.0	kW
Rated heat output	Psup 9	.0	ĸvv
Type of energy input	Ele	ctric	
Type of energy input	LIC	outo	
Rated air flow rate, outdoors	22	250	m³/ł
Water heating energy efficiency	η _{wb} 1	19	%
Daily fuel consumption	Q fuel	10	kWł
Annual fuel consumption	AFC		kWł
Reference hot water temperature	/	2.5	°C
DHW volume accounted for in test	2	90	Í.

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