TECHNICAL DATA SHEET

Information requirements for heat pump space heaters and heat pump combination heaters

Model(s):	YLHD 25 TC						
Air-to-water heat pump:							yes
Water-to-water heat pump:							not
Brine-to-water heat pump:							not
Low-temperature heat pump:							yes
For low-temperature heat pumps, parame	ters shall be dec	lared for low-ten	nperature ap	plication. Otherwise, parameters shall be declared	for medium-ter	mperature applic	cation.
Parameters shall be declared for average	climate conditio	ns.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output at Tdesignh = -10 (-11) °C	Prated = Pdesignh	19,2	kW	Seasonal space heating energy efficiency	η_{s}	136	%
Declared capacity for heating for part load at fixed outlet water temperature 35°C and outdoor temperature Tj				Declared coefficient of performanc or primary energy ratio for part load at fixed outlet water temperature 35°C and outdoor temperature Tj			
T _i = - 7 °C	Pdh	14,0	kW	T _i = -7 °C	COPd	2,72	_
T _i = + 2 °C	Pdh	10,3	kW	T _i = + 2 °C	COPd	3,87	_
T _i = + 7 °C	Pdh	6,7	kW	$T_i = +7 ^{\circ}\text{C}$	COPd	4,10	_
T _i = + 12 °C	Pdh	3,0	kW	T _i = + 12 °C	COPd	4,36	-
T _i = bivalent temperature	Pdh	15,5	kW	T _i = bivalent temperature	COPd	2,95	_
T_j = operation limit temperature	Pdh	11,8	kW	T _i = operation limit temperature	COPd	2,34	-
For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	Pdh	x,x	kW	For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	COPd	x,xx	-
Bivalent temperature (maximum +2°C)	Tbiv	-5	°C	For air-to-water HP : Operation limit temperature (maximum -7°C)	TOL	-10	°C
Cycling interval capacity for heating	Pcych	x,x	kW	Heating water operating limit temperature	WTOL	50	°C
Degradation coefficient	Сс	0,97	_	Cycling interval efficiency	COPcyc	x,xx	_
Power consumption in modes other than active mode				Supplementary heater (to be declared even if not provided in the unit)			
Off mode	P _{OFF}	0,000	kW	Rated heat output	Psup	7.4	kW
Thermostat-off mode	P _{TO}	0,120	kW		= sup(Tj)	7,4	r. v v
Standby mode	P _{SB}	0,000	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0,066	kW		•		
Other items				Outdoor heat exchanger			
Capacity control	fixed/variable fixed		d	For air-to-water HP: Rated air flow rate	Q _{airsource}	8100	m ³ /h
Sound power level, indoors	L _{WA}	х	dB(A)	For water-to-water: Rated water flow rate	Q _{watersource}	х	m ³ /h
Sound power level, outdoors	L _{WA}	78	dB(A)	For brine-to-water: Rated brine flow rate	Q _{brinesource}	х	m ³ /h
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