TECHNICAL DATA SHEET

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

Model(s):	YLHD 120 T/TP						
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	ared for low-ten	nperature ap	pplication. Otherwise, parameters shall be declared	I for medium-ter	mperature appli	cation.
Parameters shall be declared for average	climate condition	ns.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output at Tdesignh = -10 (-11) °C	Prated = Pdesignh	95,7	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	140	%
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			
$T_j = -7 ^{\circ}C$	Pdh	69,9	kW	$T_j = -7 ^{\circ}C$	COPd	2,81	-
T _j = + 2 °C	Pdh	51,5	kW	T _j = + 2 °C	COPd	3,92	-
T _j = + 7 °C	Pdh	33,1	kW	$T_j = +7 ^{\circ}\text{C}$	COPd	4,21	_
T _j = + 12 °C	Pdh	14,7	kW	T _j = + 12 °C	COPd	4,49	_
T_j = bivalent temperature	Pdh	77,3	kW	T_j = bivalent temperature	COPd	3,08	_
T _j = operation limit temperature	Pdh	58,8	kW	T _j = operation limit temperature	COPd	2,44	_
For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C}$ (if TOL < $-20 ^{\circ}\text{C}$)	Pdh	x,x	kW	For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °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 = sup(Tj)	36,9	kW
Thermostat-off mode	P _{TO}	0,120	kW				
Standby mode	P_{SB}	0,000	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0,264	kW				
Other items				Outdoor heat exchanger			
Capacity control	fixed/variable fixed		d	For air-to-water HP: Rated air flow rate	Q _{airsource}	36000	m³/h
Sound power level, indoors	L _{WA}	х	dB(A)	For water-to-water: Rated water flow rate	Q _{watersource}	х	m³/h
Sound power level, outdoors	L _{WA}	88	dB(A)	For brine-to-water: Rated brine flow rate	Q _{brinesource}	x	m³/h
Contact details	Fenton Way	trols Limited U ex SS15 6RZ om	K			1	•