

MONOBLOC INVERTER HEAT PUMP

PRODUCT FICHE LOW TEMPERATURE 35°

Product Fiche Conerning the Commission Delegated Regulations Requirements for Heat Pump Space Heaters & Heat Pump Combination Heaters - 813/2013 / 811/2013				 CSHVSH-6AA1						
Model:				CSHVSH-6AA1						
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 Supplementary Heater				No						
Heat Pump Combination Heater				Yes						
Parameters Shall be declared for				Low Temperature Applications (35°C)						
Parameters Shall be declared for				Average Climate Conditions						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output	Prated	6.80	kW	Seasonal space heating energy efficiency	η_s	211	%			
Declared capacity at part load at outdoor temperature T_j				Declared coefficient of performance for part load at outdoor temperature T_j						
$T_j = -7^\circ\text{C}$	Pdh	6.019	kW	$T_j = -7^\circ\text{C}$	COPd	3.35	-			
$T_j = +2^\circ\text{C}$	Pdh	3.725	kW	$T_j = +2^\circ\text{C}$	COPd	5.62	-			
$T_j = +7^\circ\text{C}$	Pdh	2.578	kW	$T_j = +7^\circ\text{C}$	COPd	6.06	-			
$T_j = +12^\circ\text{C}$	Pdh	3.128	kW	$T_j = +12^\circ\text{C}$	COPd	8.23	-			
$T_j = \text{biv}$	Pdh	6.019	kW	$T_j = \text{biv}$	COPd	3.35	-			
$T_j = \text{TOL}$	Pdh	6.424	kW	$T_j = \text{TOL}$	COPd	3.01	-			
$T_j = -15^\circ\text{C}$ (if $\text{TOL} < -20^\circ\text{C}$)	Pdh	N/A	kW	$T_j = -15^\circ\text{C}$ (if $\text{TOL} < -20^\circ\text{C}$)	COPd	N/A	-			
Bivalent temperature				Operation limit temperature	TOL	-10	°C			
Degradation co-efficient				Heating water operating limit temperature	WTOL	75	°C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P_{OFF}	0.13	kW	Rated Heat Output	P_{SUP}	N/A	kW			
Thermostat-off mode	P_{TO}	0.13	kW							
Standby mode	P_{SB}	0.13	kW	Type of energy input	Electric					
Crankcase heater mode	P_{CK}	0.43	kW							
Other items										
Capacity control	variable		Rated air flow, outdoors		2000 m ³ /h					
Sound power level, indoors/outdoors	L_{WA}	57	dB(A)							
Annual energy consumption	Q_{HE}	2626	kWh							
For heat pump combination heater:										
Declared Load Profile	L		Water heating energy efficiency		η_{wh}	135.5	%			
				Water heating energy efficiency class						
Daily electricity consumption	Q_{elec}	3.44	kWh	Daily fuel consumption	Q_{fuel}	/	kWh			
Annual electricity consumption	AEC	757	kWh/a	Annual fuel consumption	AFC	/	GJ			
Volume of water accounted for in test	200	L		Standby heat loss Pstby	Pstby	0.071	kW			
Contact Details				Reference hot water temperature	0'wh	43.56	°C			
Contact Details				Ecovolt Limited - Unit 3C/D, Rosemount Park Dr, Rosemount Business Park, Dublin, D11 KD5E						

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