COMMISSION REGULATION (EU) No. 813/2013

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

Model: Joule Victorum 62010200

Variant models: Victorum 7784292, 62210018, 62210022

Air-to-water heat pump: Yes, Exhaust Air Heat Pump

Water-to-water heat pump: No

Brine-to-water heat pump: No

Low-temperature heat pump: No

Equipped with supplementary heater: Yes

Heat pump combination heater: Yes

Parameters are declared for: Low-temp application, **35°C**

Harmonised standards applied: EN14511:2013, EN14825:2016, EN16147:2017, BS EN3743-1:2010

Parameters are declared for: **Average** climate conditions

Item	Symbol	Value	Unit
Rated heat output (*)	***Prated***	**1.5**	**kW**
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
Tj = -7 °C	*Pdh*	1.5	kW
Tj = +2 °C	*Pdh*	1.4	kW
Tj = +7 °C	*Pdh*	1.4	kW
Tj = +12 °C	*Pdh*	1.5	kW
Tj = bivalent temperature	*Pdh*	1.4	kW
Tj = operation limit temperature	*Pdh*	1.5	kW
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	*Pdh*	-	kW
Bivalent temperature	*Tbiv*	2	°C
Cycling interval capacity for heating	*Pcych*	-	kW
Degradation co-efficient (**)	*Cdh*	0.9	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.058	kW
Thermostat-off mode	P_{TO}	0.058	kW
Standby mode	P_{SB}	0.054	kW
Crankcase heater mode	P_{CK}	0.000	kW
Other items			
Capacity control		Fixed	
Sound power level, indoors/ outdoors	L_{WA}	59/-	dB
Emissions or nitrogen oxides	NO_X	-	mg/kWh
For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q_{elec}	-	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	**157**	**%**
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T_j			
Tj = -7 °C	*COPd*	4.43	-
Tj = +2 °C	*COPd*	4.55	-
Tj = +7 °C	*COPd*	4.61	-
Tj = +12 °C	*COPd*	4.82	-
Tj = bivalent temperature	*COPd*	4.55	-
Tj = operation limit temperature	*COPd*	4.43	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	*Pdh*	-	-
For air-to-water heat pumps: Operation limit temperature	*TOL*	-10	°C
Cycling interval efficiency	*COPcyc*	-	-
Heating water operating limit temperature	*WTOL*	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	3	kW
Type of energy Input		electrical	
For air-to-water heat pumps: Rated air flow rate, outdoors		97	m^3/h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh

Contact details: Joule Ireland, Unit 407 North West Business Park, Cappagh Road, Dublin 11, Ireland. D11 HD36

(*) 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 output of a supplementary heater *Psup* is equal to the supplementary capacity for heating *sup(Tj)* .
(**) If *Cdh* is not determined by measurement then the default degradation coefficient is *Cdh* =0.9.

Precautions as described in the installation/user manual must be taken when assembling, installing, maintaining, disassembly, recycling and/or disposal at end-of-life of this product.

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