TECHNICAL DATASHEET FOR MT SPACE HEATER

Beretta

HYDRO UNIT P

Air-to-Water rotary heat pump

ECODESIGN COMPLIANT

TECHNICAL DATASHEET FOR MEDIUM TEMPERATURE SPACE HEATER

Information requirements pursuant to regulation (EU) N°813/2013

Description

Model	**HYDRO UNIT P 014T**
Air-to-Water Heat pump	Yes
Water-to-Water Heat pump	No
Brine-to-Water Heat pump	No
Low-temperature Heat pump (30°C / 35°C)	No
Equipped with supplementary heater	No
Heat pump combination heater	No
Climate	Average

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated heat output(*)	**Prated**	**kW**	**10**
Seasonal Space Heating Energy Efficiency	**ηs,h**	**%**	**144**
Annual energy consumption	**QHE**	**kWh**	**5486**

Declared capacity (Pdh), declared coefficient of performance (COPd) and declared degradation coefficient (Cdh(**)) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	8.61
	COPd		2.24
	Cdh(**)		-
Tj = 2 °C	Pdh	kW	4.93
	COPd		3.5
	Cdh(**)		-
Tj = 7 °C	Pdh	kW	3.09
	COPd		4.9
	Cdh(**)		0.98
Tj = 12 °C	Pdh	kW	3.74
	COPd		7.04
	Cdh(**)		0.97
Tj = operation limit temperature °C	Pdh	kW	8.33
	COPd		2.07
	Cdh(**)		-
Tj = bivalent temperature °C	Pdh	kW	8.61
	COPd		2.24
	Cdh(**)		-
Bivalent temperature	Tbiv	°C	-7
Operation limit temperature	TOL	°C	-10
Heating water operating limit	WTOL	°C	75

Power consumption in modes other than active mode

Off mode	POFF	W	10
Thermostat off-mode	PTO	W	15
Standby mode	PSB	W	10
Crankcase heater mode	PCK	W	0

Supplementary heater

Rated heat output(*)	Psup	kW	1.40
Type of energy input			Electrical

Other items

Capacity control			VARIABLE
Outlet temperature control			VARIABLE
Water flow rate control			FIXED
Rated water flow rate outdoor exchanger(1)		m3/h	1800
Sound power level	LwA	dBA	54

Contact details	CARRIER SCS - Route de Thil - 01120 Montluel – FRANCE

(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load f or heating Pdesignh, and the rated heat output of a supplementary heater sup is equal to the supplementary capacity for heating sup(Tj).

(**)If Cdh is not determined by measurement then the default degradation coefficient of chillers shall be 0.9.