

ERP DATA TABLE

according regulations 814/2013

Model(s):	LCGHP-40HT		
Air to water heat pump:	yes		
Water to water heat pump:	no		
Brine to water heat pump:	no		
Low temperature heat pump:	no		
Equiped with a supplementary heater:	no		
Heat pump combination heater:	no		
Parameters shall be declared for medium temperature application.			
Parameters shall be declared for average climate conditions.			
Item	Symbol	Value	Unit
Rated heat Output	P_{rated}	29.6	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
$T_j = -7^\circ\text{C}$	P_{dh}	26.1	kW
$T_j = +2^\circ\text{C}$	P_{dh}	16.0	kW
$T_j = +7^\circ\text{C}$	P_{dh}	10.4	kW
$T_j = +12^\circ\text{C}$	P_{dh}	4.4	kW
$T_j = \text{bivalent temperature}$	P_{dh}	-	kW
Annual energy consumption	Q_{HE}	195.0	GJ
Biavalent temperature	T_{biv}	TOL < Tdesignh	°C
Power consumption in modes other than active mode			
	P_{OFF}	0.000	kW
	P_{TO}	0.021	kW
	P_{SB}	0.005	kW
	P_{CK}	-	kW
Other items			
Capacity control	Variable		
Sound power level, indoors/outdoors	L_{wa}	-74	dB
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output P_{rated} is equal to the design load for heating P_{design} and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating $sup (T_j)$.			
Additional information required by COMMISSION REGULATION (EU) No 813/2013, Table 2:			
Emissions of nitrogen oxides:	Nox	40	mg/kWh

1. according commission delegated regulation (EU) No 812/2013

LCGHP-40HT_ErP DATA TABLE_SEPTEMBER 2015

