

This information was generated by the HP KEYMARK database on 7 Jul 2022

[Login](#)

Summary of	Buderus Logatherm WPS 22.2 HT	Reg. No.	011-1W0152
Certificate Holder			
Name	Bosch Thermotechnik GmbH (Buderus)		
Address	Sophienstraße 30-32	Zip	35576
City	Wetzlar	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Buderus Logatherm WPS 22.2 HT		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	4.5 kg		

Model: Buderus Logatherm WPS 22.2 HT

Configure model	
Model name	Buderus Logatherm WPS 22.2 HT
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	22.90 kW	23.27 kW
El input	5.01 kW	7.73 kW
COP	4.57	3.01

Average Climate

This information was generated by the HP KEYMARK database on 7 Jul 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	57 dB(A)	57 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	207 %	160 %
Prated	21.00 kW	21.00 kW
SCOP	5.38	4.19
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	18.58 kW	18.58 kW
COP Tj = -7°C	4.80	3.31
Pdh Tj = +2°C	11.77 kW	11.78 kW
COP Tj = +2°C	5.54	4.31
Pdh Tj = +7°C	11.76 kW	11.77 kW
COP Tj = +7°C	5.65	4.61
Pdh Tj = 12°C	11.74 kW	11.76 kW
COP Tj = 12°C	5.67	4.88
Pdh Tj = Tbiv	22.90 kW	23.27 kW
COP Tj = Tbiv	4.57	3.01

This information was generated by the HP KEYMARK database on 7 Jul 2022

$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	22.90 kW	23.27 kW
$COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$	4.57	3.01
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	68 °C	68 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q_{he}	8072 kWh	10349 kWh