

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Buderus Logatherm WPS 54.2 HT	Reg. No.	011-1W0164
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		
Name of testing laboratory	RISE Research Institutes of Sweden AB		
Subtype title	Buderus Logatherm WPS 54.2 HT		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	9.5 kg		

# Model: Buderus Logatherm WPS 54.2 HT

## General Data

Power supply	3x400V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	54.94 kW	57.33 kW
El input	12.10 kW	18.38 kW
COP	4.54	3.12
Indoor water flow rate	9.46 m <sup>3</sup> /h	6.17 m <sup>3</sup> /h

### 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

## Average Climate

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### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	67 dB(A)	67 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	204 %	162 %
Prated	53.00 kW	54.00 kW
SCOP	5.30	4.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	46.88 kW	47.77 kW
COP Tj = -7°C	4.62	3.46
Pdh Tj = +2°C	28.80 kW	29.06 kW
COP Tj = +2°C	5.42	4.31
Pdh Tj = +7°C	28.76 kW	28.90 kW
COP Tj = +7°C	5.55	4.60
Pdh Tj = 12°C	28.72 kW	28.75 kW
COP Tj = 12°C	5.63	4.84
Pdh Tj = Tbiv	54.94 kW	57.33 kW
COP Tj = Tbiv	4.54	3.12

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Pdh Tj = TOL	54.94 kW	57.33 kW
COP Tj = TOL	4.54	3.12
Cdh	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	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	20646 kWh	26308 kWh