

#### Page 1 of 7 This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	VWF 197/4	Reg. No.	40046302	
Certificate Holder				
Name	Vaillant Deutschland GmbH & Co KG			
Address	Berghauser Straße 40	Zip	42859	
City	Remscheid	Country	Germany	
Certification Body	VDE Testing and Certification	VDE Testing and Certification Institute GmbH		
Name of testing laboratory	VDE Testing and Certification	VDE Testing and Certification Institute GmbH		
Subtype title	VWF 197/4	VWF 197/4		
Heat Pump Type	Brine/Water	Brine/Water		
Refrigerant	R410a	R410a		
Mass Of Refrigerant	3.95 kg	3.95 kg		



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

# Model: VWF 197/4 35 & 55

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	19.52 kW	19.83 kW	
El input	4.18 kW	6.12 kW	
СОР	4.67	3.24	
Indoor water flow rate	3.32 m³/h	2.18 m³/h	

### **Average Climate**

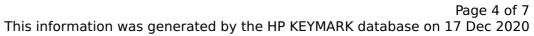


This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	195 %	147 %
Prated	19.69 kW	23.00 kW
SCOP	5.07	3.88
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	19.68 kW	20.00 kW
COP Tj = -7°C	4.82	3.43
Pdh Tj = +2°C	19.64 kW	19.90 kW
COP Tj = +2°C	5.06	3.85
Pdh Tj = +7°C	19.61 kW	19.80 kW
COP Tj = +7°C	5.30	4.17
Pdh Tj = 12°C	19.58 kW	19.70 kW
COP Tj = 12°C	5.58	4.56
Pdh Tj = Tbiv	19.68 kW	20.00 kW
COP Tj = Tbiv	4.82	3.43

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



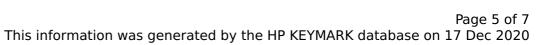


Pdh Tj = TOL	19.72 kW	20.10 kW
COP Tj = TOL	4.54	3.04
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.60 kW	2.60 kW
Annual energy consumption Qhe	9064 kWh	12017 kWh

## Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)

EN 14825		
Low temperature	Medium temperature	
197 %	148 %	
19.69 kW	20.02 kW	
	Low temperature	





ins mornadan nas ge	merated by the rin Rein	A THE GOLDONG OF THE DEC 2020
SCOP	5.12	3.91
Tbiv	4 °C	4 °C
TOL	-22 °C	-22 °C
Pdh Tj = +2°C	19.69 kW	20.02 kW
COP Tj = +2°C	4.71	3.27
Pdh Tj = +7°C	19.65 kW	19.91 kW
$COP Tj = +7^{\circ}C$	5.02	3.66
Pdh Tj = 12°C	19.60 kW	19.76 kW
COP Tj = 12°C	5.40	4.30
Pdh Tj = Tbiv	19.67 kW	19.96 kW
COP Tj = Tbiv	4.89	3.46
Pdh Tj = TOL	19.69 kW	20.02 kW
COP Tj = TOL	4.71	3.27
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.60 kW	2.60 kW





 $$\operatorname{\textit{Page}}$  6 of 7 This information was generated by the HP KEYMARK database on 17 Dec 2020

Annual energy consumption Qhe	5983 kWh	7962 kWh
-------------------------------	----------	----------

#### Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	48 dB(A)	48 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	200 %	150 %	
Prated	19.69 kW	20.02 kW	
SCOP	5.19	3.96	
Tbiv	-17 °C	-17 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = -7°C	19.63 kW	19.88 kW	
COP Tj = -7°C	5.11	3.76	
Pdh Tj = +2°C	19.61 kW	19.80 kW	
COP Tj = +2°C	5.33	4.11	
Pdh Tj = +7°C	19.59 kW	19.74 kW	
COP Tj = +7°C	5.50	4.44	
Pdh Tj = 12°C	19.58 kW	19.69 kW	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



 $$\operatorname{\textit{Page}}\ 7$$  of 7 This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = 12°C	5.54	4.72
Pdh Tj = Tbiv	19.66 kW	19.96 kW
COP Tj = Tbiv	4.89	3.46
Pdh Tj = TOL	19.66 kW	19.95 kW
COP Tj = TOL	4.94	3.52
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	7 W	7 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.60 kW	2.60 kW
Annual energy consumption Qhe	10753 kWh	14322 kWh