

Summary of	VWF 57/4	Reg. No.	40045821	
Certificate Holder				
Name	Vaillant Deutschland GmbH	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 57/4	VWF 57/4		
Heat Pump Type	Brine/Water	Brine/Water		
Refrigerant	R410a	R410a		
Mass Of Refrigerant	1.5 kg			



Model: VWF 58/4 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	5.22 kW	5.31 kW
El input	1.12 kW	1.78 kW
СОР	4.66	2.98
Indoor water flow rate	0.92 m³/h	0.57 m³/h

Average Climate



EN 12102-1		
Low temperature Medium temperature		
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	199 %	140 %
Prated	5.32 kW	6.00 kW
SCOP	5.17	3.69
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.32 kW	5.40 kW
COP Tj = -7°C	4.89	3.19
Pdh Tj = +2°C	5.31 kW	5.40 kW
COP Tj = +2°C	5.21	3.68
Pdh Tj = +7°C	5.30 kW	5.30 kW
COP Tj = +7°C	5.55	4.07
Pdh Tj = 12°C	5.30 kW	5.30 kW
COP Tj = 12°C	5.94	4.55
Pdh Tj = Tbiv	5.32 kW	5.40 kW
COP Tj = Tbiv	4.89	3.19





Pdh Tj = TOL	5.33 kW	5.42 kW
COP Tj = TOL	4.53	2.77
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	7 W	7 W
РТО	4 W	4 W
PSB	7 W	7 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.70 kW	0.70 kW
Annual energy consumption Qhe	2402 kWh	3398 kWh

Warmer Climate

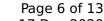
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
Low temperature	Medium temperature	
200 %	140 %	
5.32 kW	3.38 kW	
	200 %	





This information was generated by the HP KEYMARK database on 17 Dec 2020			
SCOP	5.21	3.97	
Tbiv	4 °C	4 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = +2°C	5.32 kW	5.38 kW	
COP Tj = +2°C	4.75	3.02	
Pdh Tj = +7°C	5.31 kW	5.36 kW	
$COP Tj = +7^{\circ}C$	5.16	3.46	
Pdh Tj = 12°C	5.30 kW	5.33 kW	
COP Tj = 12°C	5.69	4.23	
Pdh Tj = Tbiv	5.31 kW	5.37 kW	
COP Tj = Tbiv	4.98	3.23	
Pdh Tj = TOL	5.32 kW	5.38 kW	
COP Tj = TOL	4.75	3.02	
Cdh	0.99	0.99	
WTOL	65 °C	65 °C	
Poff	7 W	7 W	
РТО	4 W	4 W	
PSB	7 W	7 W	
PCK	0 W	0 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	0.70 kW	0.70 kW	
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Annual energy consumption Qhe	1591 kWh	2259 kWh
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Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	206 %	143 %
Prated	5.32 kW	5.38 kW
SCOP	3.81	3.78
Tbiv	-17 °C	-17 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.31 kW	5.35 kW
COP Tj = -7°C	5.28	3.58
Pdh Tj = +2°C	5.30 kW	5.34 kW
COP Tj = +2°C	5.58	4.00
Pdh Tj = +7°C	5.30 kW	5.33 kW
COP Tj = +7°C	5.83	4.40
Pdh Tj = 12°C	5.30 kW	5.32 kW



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COP Tj = 12°C	5.88	4.76
Pdh Tj = Tbiv	5.31 kW	5.37 kW
COP Tj = Tbiv	4.99	3.24
Pdh Tj = TOL	5.31 kW	5.37 kW
COP Tj = TOL	5.05	3.30
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	7 W	7 W
РТО	4 W	4 W
PSB	7 W	7 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.70 kW	0.70 kW
Annual energy consumption Qhe	2821 kWh	4026 kWh



Model: VWF 57/4 35 & 55

General Data	
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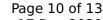
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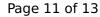


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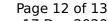
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