

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

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Summary of	VWF 57/4	Reg. No.	40045822
Certificate Holder			
Name	Vaillant Deutschland GmbH & Co KG		
Address	Berghauser Straße 40	Zip	42859
City	Remscheid	Country	Germany
Certification Body	VDE Testing and Certification Institute GmbH		
Subtype title	VWF 57/4		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.5 kg		
Certification Date	28.04.2021		

Model: VWF 57/4

Configure model	
Model name	VWF 57/4
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
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
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.28 kW	5.34 kW
El input	1.20 kW	1.85 kW
COP	4.41	2.89

Warmer 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	40 dB(A)	41 dB(A)
Sound power level outdoor	- dB(A)	- dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	132 %
Prated	5.28 kW	5.34 kW
SCOP	4.85	3.51
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.28 kW	5.34 kW
COP Tj = +2°C	4.41	2.89
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = +7°C	5.27 kW	5.32 kW
COP Tj = +7°C	4.69	3.23
Cdh Tj = +7 °C	0.99	1.00
Pdh Tj = 12°C	5.26 kW	5.29 kW
COP Tj = 12°C	5.17	3.93
Cdh Tj = +12 °C	0.99	0.99

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Pdh Tj = Tbiv	5.28 kW	5.34 kW
COP Tj = Tbiv	4.41	2.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.34 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.41	2.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	1.00
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1453 kWh	2036 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	41 dB(A)
Sound power level outdoor	- dB(A)	- dB(A)

EN 14825

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	Low temperature	Medium temperature
η_s	188 %	134 %
Prated	5.28 kW	5.34 kW
SCOP	4.91	3.55
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.27 kW	5.32 kW
COP Tj = -7°C	4.80	3.34
Cdh Tj = -7 °C	0.99	1.00
Pdh Tj = +2°C	5.26 kW	5.30 kW
COP Tj = +2°C	5.08	3.72
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = +7°C	5.25 kW	5.29 kW
COP Tj = +7°C	5.30	4.08
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.25 kW	5.28 kW
COP Tj = 12°C	5.36	4.41
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	5.28 kW	5.34 kW
COP Tj = Tbiv	4.41	2.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.34 kW

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.41	2.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	1.00
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2648 kWh	3713 kWh
Cdh Tj = -15 °C	0.99	1.00

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	41 dB(A)
Sound power level outdoor	- dB(A)	- dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	184 %	131 %

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Prated	5.28 kW	5.34 kW
SCOP	4.79	3.48
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.27 kW	5.34 kW
COP Tj = -7°C	4.46	2.99
Cdh Tj = -7 °C	0.99	1.00
Pdh Tj = +2°C	5.27 kW	5.31 kW
COP Tj = +2°C	4.76	3.44
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = +7°C	5.26 kW	5.30 kW
COP Tj = +7°C	5.06	3.79
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.25 kW	5.28 kW
COP Tj = 12°C	5.40	4.22
Cdh Tj = +12 °C	0.99	0.99
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WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2275 kWh	3171 kWh

Model: VWF 58/4

Configure model	
Model name	VWF 58/4
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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