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This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	VWF 57/4	Reg. No.	40045822	
Certificate Holder				
Name	Vaillant Deutschland GmbH & 0	Vaillant Deutschland GmbH & Co KG		
Address	Berghauser Straße 40	Zip	42859	
City	Remscheid	Country	Germany	
Certification Body	VDE Testing and Certification I	VDE Testing and Certification Institute GmbH		
Subtype title	VWF 57/4			
Heat Pump Type	Brine/Water			
Refrigerant	R410A			
Mass of Refrigerant	1.5 kg	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 14511-2	2
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	Low temperature	Medium temperature
Heat output	5.28 kW	5.34 kW
El input	1.20 kW	1.85 kW
СОР	4.41	2.89

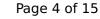
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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 %
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





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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
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
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2275 kWh	3171 kWh

Warmer 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	e 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 = $+7^{\circ}$ C	5.27 kW	5.32 kW
$COP Tj = +7^{\circ}C$	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
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	0.00 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





	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
$COP Tj = +2^{\circ}C$	5.08	3.72
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = +7°C	5.25 kW	5.29 kW
$COP Tj = +7^{\circ}C$	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



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



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	

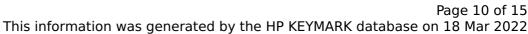
Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.28 kW	5.34 kW
El input	1.20 kW	1.85 kW
СОР	4.41	2.89

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

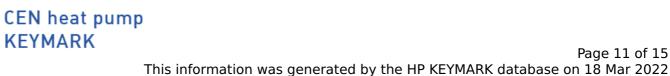
Average Climate





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EN 14825		
	Low temperature	Medium temperature
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Cdh Tj = +7 °C	0.99	0.99



Inis information was genera	ted by the HEREIMAI	IN database on 10 Mai 202.
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COP Tj = 12°C	5.40	4.22
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WTOL	65 °C	65 °C
Poff	7 W	7 W
РТО	4 W	4 W
PSB	7 W	7 W
PCK	o 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

Warmer Climate



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	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
$COP Tj = +2^{\circ}C$	4.41	2.89
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = $+7$ °C	5.27 kW	5.32 kW
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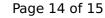


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Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1453 kWh	2036 kWh

Colder Climate

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Sound power level outdoor	- dB(A)	- dB(A)		

EN 14825





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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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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	1.00
WTOL	65 °C	65 °C
Poff	7 W	7 W
РТО	4 W	4 W
PSB	7 W	7 W
PCK	o 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
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