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Summary of	VWF 117/4	Reg. No.	40046300
Certificate Holder			
Name	Vaillant Deutschland GmbH & Co KG		
Address	Berghauser Straße 40	Zip	42859
City	Remscheid	Country	Germany
Certification Body	VDE Prüf- und Zertifizierungsinstitut GmbH		
Subtype title	VWF 117/4		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.5 kg		
Certification Date	28.04.2021		
Testing basis	DIN EN 14511-1:2019-07; EN 14511-1:2018 DIN EN 14511-2:2019-07; EN 14511-2:2018 DIN EN 14511-3:2019-07; EN 14511-3:2018 DIN EN 14511-4:2019-07; EN 14511-4:2018 EN 12102-1:2018-02; EN 12102-1:2017		

Model: VWF 118/4

Configure model	
Model name	VWF 118/4
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
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	11.18 kW	11.33 kW
El input	2.34 kW	3.66 kW
COP	4.77	3.10

Average Climate

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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	47 dB(A)
Sound power level outdoor	- dB(A)	- dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	201 %	142 %
Prated	11.18 kW	11.33 kW
SCOP	5.22	3.76
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.18 kW	11.32 kW
COP Tj = -7°C	4.83	3.21
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	11.16 kW	11.26 kW
COP Tj = +2°C	5.15	3.70
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	11.14 kW	11.23 kW
COP Tj = +7°C	5.49	4.08
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	11.13 kW	11.19 kW
COP Tj = 12°C	5.87	4.56
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	11.18 kW	11.33 kW
COP Tj = Tbiv	4.77	3.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	11.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.77	3.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	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	4427 kWh	6227 kWh

Model: VWF 117/4

Configure model	
Model name	VWF 117/4
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
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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

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