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Summary of	VWL 55/3 A 230V	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	VWL 55/3 A 230V	VWL 55/3 A 230V		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R410a	R410a		
Mass Of Refrigerant	1.8 kg			



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Model: VWL 55/3 A 230V 35 & 55

General Data	
Power supply	1x230V 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	4.37 kW	4.08 kW	
El input	0.93 kW	1.40 kW	
СОР	4.68	2.92	
Indoor water flow rate	0.86 m³/h	0.61 m³/h	

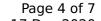
Average Climate

EN 14825



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	Low temperature	Medium temperature
η_{s}	153 %	120 %
Prated	4.40 kW	4.10 kW
SCOP	3.88	3.08
Tbiv	-7 °C	-7 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	5.05 kW	4.40 kW
COP Tj = -7°C	2.61	2.00
Pdh Tj = +2°C	2.86 kW	2.80 kW
COP Tj = +2°C	4.05	3.06
Pdh Tj = +7°C	3.97 kW	3.80 kW
COP Tj = +7°C	5.74	4.10
Pdh Tj = 12°C	4.56 kW	4.50 kW
COP Tj = 12°C	6.98	5.19
Pdh Tj = Tbiv	5.05 kW	4.40 kW
COP Tj = Tbiv	2.61	2.00
Pdh Tj = TOL	4.87 kW	3.60 kW
COP Tj = TOL	2.45	1.75
Cdh	0.99	0.99
WTOL	60 °C	60 °C
Poff	6 W	6 W





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PTO	6 W	6 W
PSB	5 W	5 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	7992 kWh	7011 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	58 dB(A)	58 dB(A)	
Sound power level outdoor	58 dB(A)	58 dB(A)	

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	234 %	180 %
Prated	6.00 kW	6.00 kW
SCOP	5.94	4.58
Tbiv	2 °C	2 °C
TOL	-15 °C	-15 °C
Pdh Tj = +2°C	5.80 kW	5.80 kW

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$COP Tj = +2^{\circ}C$	3.30	1.70
Pdh Tj = +7°C	3.70 kW	3.70 kW
$COP Tj = +7^{\circ}C$	5.60	3.60
Pdh Tj = 12°C	4.60 kW	4.60 kW
COP Tj = 12°C	7.00	7.00
Pdh Tj = Tbiv	5.80 kW	5.80 kW
COP Tj = Tbiv	3.30	1.70
Pdh Tj = TOL	5.80 kW	5.80 kW
COP Tj = TOL	3.30	1.70
Cdh	0.99	0.99
WTOL	60 °C	60 °C
Poff	6 W	6 W
РТО	6 W	6 W
PSB	5 W	5 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1304 kWh	1694 kWh



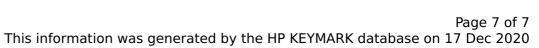
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EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	58 dB(A)	58 dB(A)	

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	125 %	107 %
Prated	7.00 kW	6.00 kW
SCOP	3.19	2.74
Tbiv	-12 °C	-12 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	5.10 kW	4.20 kW
COP Tj = -7°C	2.60	2.00
Pdh Tj = +2°C	2.90 kW	2.30 kW
COP Tj = +2°C	4.10	3.70
Pdh Tj = +7°C	4.00 kW	4.00 kW
COP Tj = +7°C	5.70	5.70
Pdh Tj = 12°C	4.60 kW	4.60 kW
COP Tj = 12°C	7.00	7.00
Pdh Tj = Tbiv	4.80 kW	4.50 kW

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COP Tj = Tbiv	2.60	2.00
Pdh Tj = TOL	4.90 kW	4.00 kW
COP Tj = TOL	2.50	1.90
Cdh	0.99	0.99
WTOL	55 °C	55 °C
Poff	6 W	6 W
РТО	6 W	6 W
PSB	5 W	5 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5036 kWh	5497 kWh

CEN heat pump KEYMARK

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)