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#### **Login**

Summary of	VWL 55/3 A 230V	Reg. No.	40045821	
Certificate Holder	<u>'</u>	<u>'</u>		
Name	Vaillant Deutschland GmbH &	Vaillant Deutschland GmbH & Co KG		
Address	Berghauser Straße 40	Zip	42859	
City	Remscheid	Country	Germany	
Certification Body	VDE Prüf- und Zertifizierungsinstitut GmbH			
Subtype title	VWL 55/3 A 230V			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	1.8 kg			
Certification Date	22.02.2017			
Testing basis	DIN EN 14825:2013-12; EN 14825:2013			

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# **Model: VWL 55/3 A 230V**

Configure model		
Model name	VWL 55/3 A 230V	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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	4.40 kW	3.94 kW
El input	0.97 kW	1.45 kW
СОР	4.53	2.73

## Warmer Climate

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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)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	199 %	150 %
Prated	5.80 kW	4.90 kW
SCOP	5.05	3.83
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.45 kW	4.53 kW
COP Tj = +2°C	2.80	2.06
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.37 kW	3.63 kW
COP Tj = +7°C	4.44	3.42
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	4.51 kW	4.38 kW
COP Tj = 12°C	6.36	4.81
Cdh Tj = +12 °C	0.990	0.990

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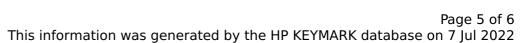
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5.45 kW	4.53 kW
2.80	2.06
5.45 kW	4.53 kW
2.80	2.06
0.990	0.990
60 °C	60 °C
6 W	6 W
6 W	6 W
5 W	5 W
5 W	5 W
Electricity	Electricity
0.00 kW	0.00 kW
1535 kWh	1708 kWh
	2.80 5.45 kW 2.80 0.990 60 °C 6 W 5 W 5 W Electricity 0.00 kW

## **Average Climate**

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)	

### EN 14825





	Low temperature	Medium temperature
$\eta_{s}$	149 %	119 %
Prated	5.71 kW	4.22 kW
SCOP	3.79	3.05
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-7 °C
Pdh Tj = $-7^{\circ}$ C	4.67 kW	3.74 kW
$COP Tj = -7^{\circ}C$	2.45	2.00
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = $+2$ °C	2.90 kW	2.87 kW
$COPTj = +2^{\circ}C$	3.85	3.07
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	3.38 kW	3.81 kW
$COP Tj = +7^{\circ}C$	4.62	4.15
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	4.53 kW	4.47 kW
COP Tj = 12°C	6.55	5.21
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	4.67 kW	3.74 kW
COP Tj = Tbiv	2.45	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.62 kW	3.74 kW



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.37	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.09 kW	4.22 kW
Annual energy consumption Qhe	3110 kWh	2860 kWh