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Summary of	BLW Split D 4	Reg. No.	21HK0031/00		
Certificate Holder		<u> </u>	<u> </u>		
Name	August Brötje GmbH	August Brötje GmbH			
Address	August-Brötje-Str. 17	August-Brötje-Str. 17 Zip 26180			
City	Rastede	Country	Germany		
Certification Body	Kiwa Nederland B.V.	Kiwa Nederland B.V.			
Subtype title	BLW Split D 4	BLW Split D 4			
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water			
Refrigerant	R32	R32			
Mass of Refrigerant	1.2 kg	1.2 kg			
Certification Date	03.12.2021	03.12.2021			
Testing basis	European KEYMARK Scheme	European KEYMARK Scheme for Heat Pumps (v9)			



Model: AWHPR 4 MR + BLWSI48MHD

Configure model		
Model name	AWHPR 4 MR + BLWSI48MHD	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

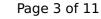
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.60 kW	4.40 kW	
El input	0.88 kW	1.49 kW	
СОР	5.20	2.95	

EN 14511-4	
Shutting off the heat transfer medium flow	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Cooling





EN 14511-2			
	+7°C/+12°C	+18°C/+23°C	
El input	1.25 kW	1.12 kW	
Cooling capacity	4.50	6.00	
EER	3.60	5.35	



EN 14825			
	+7°C/+12°C	+18°C/+23°C	
Pdesignc	4.50 kW	6.00 kW	
SEER	4.69	8.13	
Pdc Tj = 35° C	4.50 kW	6.00 kW	
EER Tj = 35°C	3.60	5.35	
Pdc Tj = 30°C	3.32 kW	4.50 kW	
EER Tj = 30°C	3.97	7.09	
Pdc Tj = 25°C	2.30 kW	2.80 kW	
EER Tj = 25°C	5.23	9.20	
Pdc Tj = 20°C	1.85 kW	2.85 kW	
EER Tj = 20°C	6.40	12.23	
Poff	12 W	12 W	
PTO	12 W	12 W	
PSB	12 W	12 W	
PCK	0 W	0 W	
Annual energy consumption Qce	576 kWh	443 kWh	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	135 %
Prated	5.00 kW	5.00 kW
SCOP	4.50	3.44
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.50 kW
COP Tj = -7°C	3.18	2.15
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	4.44	3.39
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	1.75 kW	1.74 kW
COP Tj = +7°C	5.37	4.44
Cdh Tj = +7 °C	0.960	0.960

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Pdh Tj = 12°C	2.70 kW	2.10 kW
COP Tj = 12°C	8.78	7.29
Cdh Tj = +12 °C	0.950	0.950
Pdh Tj = Tbiv	5.00 kW	4.50 kW
COP Tj = Tbiv	3.00	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	4.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	1.83
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	12 W	12 W
РТО	12 W	12 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	2297 kWh	3000 kWh



Model: AWHPR 4 MR + BLWSI480HD

Configure model			
Model name	AWHPR 4 MR + BLWSI48OHD		
Application	Heating (medium temp)		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C		

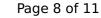
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El input	0.88 kW	1.49 kW
СОР	5.20	2.95

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Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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