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Login

Summary of	BLW Split D 6/8	Reg. No.	21HK0032/00		
Certificate Holder	Certificate Holder				
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 6/8	BLW Split D 6/8			
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 for Heat Pumps (v9)				



Model: AWHPR 6 MR + BLWSI48MHD

Configure model		
Model name	AWHPR 6 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	6.40 kW	5.70 kW
El input	1.28 kW	1.97 kW
СОР	5.00	2.90

EN 14511-4	
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	2.10 kW	1.36 kW	
Cooling capacity	6.50	7.00	
EER	3.09	5.14	



EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.00 kW
SEER	4.01	6.49
Pdc Tj = 35°C	6.50 kW	7.00 kW
EER Tj = 35°C	3.09	5.14
Pdc Tj = 30°C	4.90 kW	5.39 kW
EER Tj = 30°C	3.99	6.65
Pdc Tj = 25°C	3.10 kW	3.32 kW
EER Tj = 25°C	4.55	4.93
Pdc Tj = 20°C	1.37 kW	1.78 kW
EER Tj = 20°C	3.96	12.82
Poff	12 W	12 W
РТО	12 W	12 W
PSB	12 W	12 W
PCK	0 W	0 W
Annual energy consumption Qce	973 kWh	647 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}	178 %	132 %
Prated	6.50 kW	6.00 kW
SCOP	4.52	3.38
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.50 kW
COP Tj = -7°C	3.16	2.22
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	3.50 kW	3.40 kW
COP Tj = +2°C	4.48	3.37
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = $+7^{\circ}$ C	2.25 kW	2.10 kW
COP Tj = +7°C	5.61	4.07
Cdh Tj = +7 °C	0.960	0.970

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Pdh Tj = 12°C	2.50 kW	2.50 kW
COP Tj = 12°C	6.92	6.58
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.60 kW	5.50 kW
COP Tj = Tbiv	2.68	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
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	o 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	2974 kWh	3667 kWh



Model: AWHPR 6 MR + BLWSI480HD

Configure model		
Model name	AWHPR 6 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	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	1.97 kW	
СОР	5.00	2.90	

EN 14511-4	
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	2.10 kW	1.36 kW		
Cooling capacity	6.50	7.00		
EER	3.09	5.14		



EN 14825			
	+7°C/+12°C	+18°C/+23°C	
Pdesignc	6.50 kW	7.00 kW	
SEER	4.01	6.49	
Pdc Tj = 35°C	6.50 kW	7.00 kW	
EER Tj = 35°C	3.09	5.14	
Pdc Tj = 30°C	4.90 kW	5.39 kW	
EER Tj = 30°C	3.99	6.65	
Pdc Tj = 25°C	3.10 kW	3.32 kW	
EER Tj = 25°C	4.55	4.93	
Pdc Tj = 20°C	1.37 kW	1.78 kW	
EER Tj = 20°C	3.96	12.82	
Poff	12 W	12 W	
PTO	12 W	12 W	
PSB	12 W	12 W	
PCK	0 W	0 W	
Annual energy consumption Qce	973 kWh	647 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	
178 %	132 %	
6.50 kW	6.00 kW	
4.52	3.38	
-10 °C	-7 °C	
-10 °C	-10 °C	
5.90 kW	5.50 kW	
3.16	2.22	
0.990	0.990	
3.50 kW	3.40 kW	
4.48	3.37	
0.980	0.980	
2.25 kW	2.10 kW	
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COP Tj = Tbiv	2.68	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
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	o 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	2974 kWh	3667 kWh



Model: AWHPR 8 MR + BLWSI48MHD

Configure model			
Model name	AWHPR 8 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		

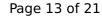
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	7.60 kW	8.00 kW		
El input	1.59 kW	2.91 kW		
СОР	4.77	2.75		

EN 14511-4	
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	2.15 kW	1.45 kW	
Cooling capacity	6.50	7.10	
EER	3.02	4.88	



EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.10 kW
SEER	4.43	5.89
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	3.02	4.88
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	4.12	6.81
Pdc Tj = 25°C	3.35 kW	3.18 kW
EER Tj = 25°C	4.74	5.26
Pdc Tj = 20°C	1.55 kW	1.67 kW
EER Tj = 20°C	5.50	7.40
Poff	12 W	12 W
РТО	12 W	12 W
PSB	12 W	12 W
РСК	0 W	o w
Annual energy consumption Qce	881 kWh	723 kWh

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	131 %
Prated	7.00 kW	7.00 kW
SCOP	4.50	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.19 kW	6.19 kW
COP Tj = -7°C	2.97	2.09
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.78 kW	2.49 kW
COP Tj = +7°C	5.70	4.57
Cdh Tj = +7 °C	0.970	0.970

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Pdh Tj = 12°C	2.67 kW	2.55 kW
COP Tj = 12°C	7.80	6.10
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	6.19 kW	6.19 kW
COP Tj = Tbiv	2.97	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.66
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	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.36 kW	2.10 kW
Annual energy consumption Qhe	3213 kWh	4334 kWh



Model: AWHPR 8 MR + BLWSI480HD

Configure model		
Model name	AWHPR 8 MR + BLWSI48OHD	
Application	Heating (medium temp)	
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Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

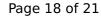
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Power supply 1x230V 50Hz		

Heating

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Heat output	7.60 kW	8.00 kW
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Defrost test	passed
Starting and operating test	passed

Cooling



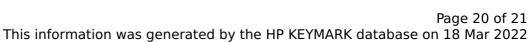


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Annual energy consumption Qce	881 kWh	723 kWh

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

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EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	131 %
Prated	7.00 kW	7.00 kW
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Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.78 kW	2.49 kW
COP Tj = +7°C	5.70	4.57
Cdh Tj = +7 °C	0.970	0.970

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