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Summary of	DE DIETRICH Alezio S R32 4 MR & Alezio S Compact R32 4 MR	Reg. No.	21HK0021 / 007- DM0121
Certificate Holder			
Name	BDR Thermea FR (DE DIETRICH)		
Address	57 rue de la Gare	ZIP	67580
City	Mertzwiller	Country	France
Certification Body	Kiwa Nederland B.V.		
Subtype title	DE DIETRICH Alezio S R32 4 MR & Alezio S Compact R32 4 MR		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.2 kg		
Certification Date	03.12.2021		
Testing basis	European KEYMARK Scheme for Heat Pumps (v9)		



Model: AWHPR 4 MR + MIV-S 4-8/EM R32

Configure model		
Model name	AWHPR 4 MR + MIV-S 4-8/EM R32	
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

COP

5.20

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

2.95

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	1.25 kW	1.12 kW
Cooling capacity	4.50	6.00
EER	3.60	5.35



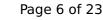
EN 14825			
	+7°C/+12°C	+18°C/+23°C	
Pdesignc	4.50 kW	6.00 kW	
SEER	4.69	8.13	
Pdc Tj = 35°C	4.50 kW	6.00 kW	
EER Tj = 35°C	3.60	5.35	
Pdc Tj = 30°C	3.32 kW	4.50 kW	
EER Tj = 30°C	3.97	7.09	
Pdc Tj = 25°C	2.30 kW	2.80 kW	
EER Tj = 25°C	5.23	9.20	
Pdc Tj = 20°C	1.85 kW	2.85 kW	
EER Tj = 20°C	6.40	12.23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



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	o w	o 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 + MIV-S 4-8/EM R32 + HPSL180 EVO

Configure model		
Model name	AWHPR 4 MR + MIV-S 4-8/EM R32 + HPSL180 EVO	
Application	Heating + DHW + low 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	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Cooling

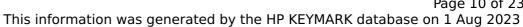




EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.25 kW	1.12 kW
Cooling capacity	4.50	6.00
EER	3.60	5.35



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
РТО	12 W	12 W
PSB	12 W	12 W
PCK	o w	0 W
Annual energy consumption Qce	576 kWh	443 kWh





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 8.78 7.29 $COP Tj = 12^{\circ}C$ Cdh Tj = +12 °C 0.950 0.950 Pdh Tj = Tbiv5.00 kW 4.50 kW COP Tj = Tbiv3.00 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 PTO 12 W 12 W **PSB** 12 W 12 W

0 W

n/a

0.00 kW

2297 kWh

0 W

n/a

0.70 kW

3000 kWh

Domestic Hot Water (DHW)

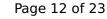
Supplementary Heater: Type of energy input

Average Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe

PCK





EN 16147		
Declared load profile	М	
Efficiency ηDHW	118 %	
СОР	2.77	
Heating up time	1:35 h:min	
Standby power input	24.1 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	250 l	



Model: AWHPR 4 MR + MIV-S 4-8/EM R32 + HPSL180 EVO

Configure model		
Model name	AWHPR 4 MR + MIV-S 4-8/EM R32 + HPSL180 EVO	
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional) +7°C/12°C and +18°C/+23°C		

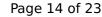
General Data		
Power supply 1x230V 50Hz		

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	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	



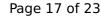
EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.50 kW	6.00 kW
SEER	4.69	8.13
Pdc Tj = 35°C	4.50 kW	6.00 kW
EER Tj = 35°C	3.60	5.35
Pdc Tj = 30°C	3.32 kW	4.50 kW
EER Tj = 30°C	3.97	7.09
Pdc Tj = 25°C	2.30 kW	2.80 kW
EER Tj = 25°C	5.23	9.20
Pdc Tj = 20°C	1.85 kW	2.85 kW
EER Tj = 20°C	6.40	12.23
Poff	12 W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



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
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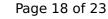
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Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	2297 kWh	3000 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	
	L
Efficiency ηDHW	133 %
СОР	3.19
Heating up time	1:35 h:min
Standby power input	26.6 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	250 I



Model: AWHPR 4 MR + MIV-S 4-8/H R32

Configure model		
Model name	AWHPR 4 MR + MIV-S 4-8/H R32	
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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

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Cooling capacity	4.50	6.00
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	CEN heat pump
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EN 14825		
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PCK	0 W	0 W
Annual energy consumption Qce	576 kWh	443 kWh



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	Low temperature	Medium temperature		
Sound power level indoor	33 dB(A)	33 dB(A)		
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РТО	12 W	12 W
PSB	12 W	12 W
PCK	o w	o 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