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#### This information was generated by the HP KEYMARK database on 23 Jun 2022

#### **Login**

Summary of	DE DIETRICH STRATEO 6/8 MR/E R32	Reg. No.	21HK0002/01		
Certificate Holder	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 STRATEO 6/8 MR/E R32				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R32				
Mass of Refrigerant	1.2 kg				
Certification Date	30.05.2022				
Testing basis	European KEYMARK Scheme for Heat Pumps (v9)				



# Model: AWHPR 6 MR + MIC-1C V190 R32

Configure model			
Model name	AWHPR 6 MR + MIC-1C V190 R32		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	Warmer Climate		
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	2.30 kW	1.43 kW		
Cooling capacity	6.50	7.00		
EER	2.83	4.88		



EN 14825			
	+7°C/+12°C	+18°C/+23°C	
Pdesignc	6.5 kW	7.0 kW	
SEER	3.95	5.99	
Pdc Tj = 35°C	6.50 kW	7.00 kW	
EER Tj = 35°C	2.83	4.88	
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	9.48	
Poff	15 W	15 W	
РТО	15 W	15 W	
PSB	15 W	15 W	
PCK	0 W	0 W	
Annual energy consumption Qce	987 kWh	701 kWh	

# Average Climate



EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	34 dB(A)	34 dB(A)		
Sound power level outdoor	58 dB(A)	58 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	177 %	132 %	
Prated	6.50 kW	6.00 kW	
SCOP	4.50	3.37	
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	0.99	0.99	
Pdh Tj = +2°C	3.50 kW	3.40 kW	
COP Tj = +2°C	4.48	3.37	
Cdh Tj = +2 °C	0.98	0.98	
Pdh Tj = +7°C	2.25 kW	2.10 kW	
COP Tj = +7°C	5.61	4.07	
Cdh Tj = +7 °C	0.96	0.97	

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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	0.96	0.97
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	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: PSUP	0 kW	0.7 kW
Annual energy consumption Qhe	2986 kWh	3679 kWh

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	207 %	141 %
Prated	6.50 kW	6.00 kW
11000	3.30 KVV	0.00 KW





	ated by the HP KETMA	RK database on 23 Jun 2022
SCOP	5.24	3.61
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.00 kW
COP Tj = +2°C	3.40	2.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.30 kW	4.05 kW
$COPTj = +7^{\circ}C$	5.30	3.16
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	1.86 kW	1.90 kW
COP Tj = 12°C	6.07	4.70
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.50 kW	6.00 kW
COP Tj = Tbiv	3.40	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.40	2.27
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W



PCK	o w	o w
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1658 kWh	2222 kWh

## Domestic Hot Water (DHW)

## Average Climate

EN 16147		
Declared load profile	M	
Efficiency ηDHW	123 %	
СОР	2.84	
Heating up time	01:35 h:min	
Standby power input	28.2 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	277	





EN 16147		
Declared load profile	L	
Efficiency ηDHW	149 %	
СОР	3.50	
Heating up time	01:28 h:min	
Standby power input	36.5 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	277 I	



# Model: AWHPR 6 MR + MIC-2C V190 R32

Configure model		
Model name	AWHPR 6 MR + MIC-2C V190 R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone Warmer Climate		
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

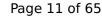
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.36 kW	2.05 kW
СОР	4.70	2.80

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

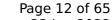
# Cooling





EN 14511-2			
	+7°C/+12°C +18°C/+23°C		
El input	2.38 kW	1.51 kW	
Cooling capacity	6.50	7.00	
EER	2.74	4.64	

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.00 kW
SEER	3.55	5.17
Pdc Tj = 35°C	6.50 kW	7.00 kW
EER Tj = 35°C	2.74	4.64
Pdc Tj = 30°C	4.90 kW	5.39 kW
EER Tj = 30°C	3.76	6.09
Cdc		
Pdc Tj = 25°C	3.10 kW	3.32 kW
EER Tj = 25°C	4.10	4.44
Cdc		
Pdc Tj = 20°C	1.37 kW	1.78 kW
EER Tj = 20°C	3.25	6.77
Cdc		
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	1099 kWh	812 kWh

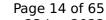
# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	34 dB(A)	34 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	159 %	121 %
Prated	6.50 kW	6.00 kW
SCOP	4.04	3.10
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.50 kW
COP Tj = $-7^{\circ}$ C	3.04	2.15
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	3.50 kW	3.40 kW
$COP Tj = +2^{\circ}C$	4.09	3.14
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.25 kW	2.10 kW
$COPTj = +7^{\circ}C$	4.73	3.55
Cdh Tj = +7 °C	0.960	0.970

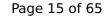
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2.50 kW	2.50 kW
5.73	5.50
0.960	0.970
6.60 kW	5.50 kW
2.60	2.15
6.60 kW	5.30 kW
2.60	1.77
0.990	0.990
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
n/a	n/a
0.00 kW	0.70 kW
3321 kWh	4004 kWh
	5.73  0.960  6.60 kW  2.60  6.60 kW  2.60  0.990  60 °C  15 W  15 W  0 W  n/a  0.00 kW

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	179 %	127 %





	ated by the HI KETMA	TIK database on 25 juli 2022
Prated	6.50 kW	6.00 kW
SCOP	4.54	3.25
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.00 kW
COP Tj = +2°C	3.27	2.21
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	4.30 kW	4.05 kW
COP Tj = +7°C	4.85	2.99
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	1.86 kW	1.90 kW
COP Tj = 12°C	4.88	3.96
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	6.50 kW	6.00 kW
COP Tj = Tbiv	3.27	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.27	2.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W



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PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1913 kWh	2466 kWh

# Domestic Hot Water (DHW)

# Average Climate

EN 16147		
Declared load profile	M	
Efficiency ηDHW	123 %	
СОР	2.84	
Heating up time	01:35 h:min	
Standby power input	28.2 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	277	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	149 %	
СОР	3.50	
Heating up time	01:28 h:min	
Standby power input	36.5 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	277	



# Model: AWHPR 8 MR + MIC-1C V190 R32

Configure model		
Model name AWHPR 8 MR + MIC-1C V190 R32		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional) +7°C/12°C and +18°C/+23°C		

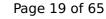
General Data		
Power supply 1x230V 50Hz		

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	7.6 kW	8.0 kW	
El input	1.66 kW	2.91 kW	
СОР	4.57	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	2.33 kW	1.45 kW	
Cooling capacity	6.50	7.10	
EER	2.79	4.88	



EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	7.1 kW
SEER	4.32	5.82
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.79	4.88
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.96	6.71
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	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	o w
Annual energy consumption Qce	904 kWh	732 kWh

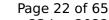
# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	125 %
Prated	7.00 kW	7.00 kW
SCOP	4.48	3.21
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	1.95
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = $+7^{\circ}$ C	2.78 kW	2.49 kW
COP Tj = +7°C	5.70	4.10
Cdh Tj = +7 °C	0.97	0.97

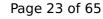
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Pdh Tj = 12°C	2.67 kW	2.55 kW
COP Tj = 12°C	7.80	6.10
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	6.19 kW	6.19 kW
COP Tj = Tbiv	2.97	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: PSUP	0.36 kW	2.1 kW
Annual energy consumption Qhe	3225 kWh	4504 kWh

EN 14825		
	Low temperature	Medium temperature
$\eta_s$	214 %	149 %
Prated	7.00 kW	6.60 kW





	ated by the HP KETMA	RK database on 23 Jun 2022
SCOP	5.41	3.81
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.60 kW
COP Tj = +2°C	3.25	2.12
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.58 kW
$COPTj = +7^{\circ}C$	5.11	3.36
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	2.11 kW	2.00 kW
COP Tj = 12°C	6.71	5.00
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	7.00 kW	6.60 kW
COP Tj = Tbiv	3.25	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.25	2.12
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W



PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1728 kWh	2315 kWh

# Domestic Hot Water (DHW)

## Average Climate

EN 16147		
Declared load profile	M	
Efficiency ηDHW	108 %	
СОР	2.50	
Heating up time	01:25 h:min	
Standby power input	31.9 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	278	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	143 %	
СОР	3.40	
Heating up time	01:20 h:min	
Standby power input	30.9 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	278	

# Model: AWHPR 8 MR + MIC-2C V190 R32

Configure model		
Model name	AWHPR 8 MR + MIC-2C V190 R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

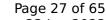
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.60 kW	8.00 kW	
El input	1.74 kW	2.99 kW	
СОР	4.38	2.68	

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

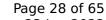
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.41 kW	1.53 kW
Cooling capacity	6.50	7.10
EER	2.70	4.64

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.10 kW
SEER	3.86	5.04
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.70	4.64
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.74	6.16
Cdc		
Pdc Tj = 25°C	3.35 kW	3.18 kW
EER Tj = 25°C	4.29	4.68
Cdc		
Pdc Tj = 20°C	1.55 kW	1.67 kW
EER Tj = 20°C	4.34	5.55
Cdc		
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Annual energy consumption Qce	1010 kWh	845 kWh

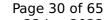
# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	161 %	116 %
Prated	7.00 kW	7.00 kW
SCOP	4.09	2.99
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.19 kW	6.19 kW
COP Tj = -7°C	2.87	1.90
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.12 kW	3.79 kW
COP Tj = +2°C	4.13	3.04
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.78 kW	2.49 kW
COP Tj = +7°C	4.94	3.65
Cdh Tj = +7 °C	0.970	0.970

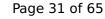
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2.67 kW	2.55 kW
6.40	5.17
0.960	0.960
6.19 kW	6.19 kW
2.87	1.90
6.64 kW	4.90 kW
2.51	1.62
0.990	0.990
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
n/a	n/a
0.36 kW	2.10 kW
3535 kWh	4843 kWh
	6.40  0.960  6.19 kW  2.87  6.64 kW  2.51  0.990  60 °C  15 W  15 W  0 W  n/a  0.36 kW

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	186 %	134 %





This information was gener	ated by the HI KETMA	NK database on 25 Juli 2022
Prated	7.00 kW	6.60 kW
SCOP	4.72	3.44
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	7.00 kW	6.60 kW
$COPTj = +2^{\circ}C$	3.14	2.07
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.58 kW
$COPTj = +7^{\circ}C$	4.72	3.18
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	2.11 kW	2.00 kW
COP Tj = 12°C	5.42	4.21
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	7.00 kW	6.60 kW
COP Tj = Tbiv	3.14	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.14	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W

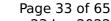


PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1980 kWh	2566 kWh

## Domestic Hot Water (DHW)

# Average Climate

EN 16147		
Declared load profile	M	
Efficiency ηDHW	108 %	
СОР	2.50	
Heating up time	01:25 h:min	
Standby power input	31.9 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	278 I	





EN 16147	
Declared load profile	L
Efficiency ηDHW	143 %
СОР	3.40
Heating up time	01:20 h:min
Standby power input	30.9 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	278



# Model: AWHPR 6 MR + MIC-1C V190 R32

Configure model		
Model name	AWHPR 6 MR + MIC-1C V190 R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

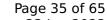
General Data		
Power supply	1x230V 50Hz	

## 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	2.30 kW	1.43 kW		
Cooling capacity	6.50	7.00		
EER	2.83	4.88		



EN 14825				
	+7°C/+12°C	+18°C/+23°C		
Pdesignc	6.5 kW	7.0 kW		
SEER	3.95	5.99		
Pdc Tj = 35°C	6.50 kW	7.00 kW		
EER Tj = 35°C	2.83	4.88		
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	9.48		
Poff	15 W	15 W		
РТО	15 W	15 W		
PSB	15 W	15 W		
PCK	0 W	0 W		
Annual energy consumption Qce	987 kWh	701 kWh		

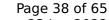
# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	34 dB(A)	34 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	132 %
Prated	6.50 kW	6.00 kW
SCOP	4.50	3.37
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	0.99	0.99
Pdh Tj = +2°C	3.50 kW	3.40 kW
COP Tj = +2°C	4.48	3.37
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.25 kW	2.10 kW
COP Tj = +7°C	5.61	4.07
Cdh Tj = +7 °C	0.96	0.97

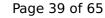
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	The art of the transfer of the	,
Pdh Tj = 12°C	2.50 kW	2.50 kW
COP Tj = 12°C	6.92	6.58
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	6.60 kW	5.50 kW
COP Tj = Tbiv	2.68	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: PSUP	0 kW	0.7 kW
Annual energy consumption Qhe	2986 kWh	3679 kWh

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	207 %	141 %
Prated	6.50 kW	6.00 kW





	ated by the HP KETMA	RK database on 23 Jun 2022
SCOP	5.24	3.61
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.00 kW
$COPTj = +2^{\circ}C$	3.40	2.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.30 kW	4.05 kW
$COP Tj = +7^{\circ}C$	5.30	3.16
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	1.86 kW	1.90 kW
COP Tj = 12°C	6.07	4.70
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.50 kW	6.00 kW
COP Tj = Tbiv	3.40	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.40	2.27
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W



PCK	o w	o w
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1658 kWh	2222 kWh

### Domestic Hot Water (DHW)

## Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	135 %	
СОР	3.20	
Heating up time	01:35 h:min	
Standby power input	35.5 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	277	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	149 %	
СОР	3.50	
Heating up time	01:28 h:min	
Standby power input	36.5 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	277 I	



# Model: AWHPR 6 MR + MIC-2C V190 R32

Configure model		
Model name	AWHPR 6 MR + MIC-2C V190 R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

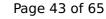
General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.36 kW	2.05 kW	
СОР	4.70	2.80	

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

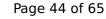
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.38 kW	1.51 kW
Cooling capacity	6.50	7.00
EER	2.74	4.64

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.00 kW
SEER	3.55	5.17
Pdc Tj = 35°C	6.50 kW	7.00 kW
EER Tj = 35°C	2.74	4.64
Pdc Tj = 30°C	4.90 kW	5.39 kW
EER Tj = 30°C	3.76	6.09
Cdc		
Pdc Tj = 25°C	3.10 kW	3.32 kW
EER Tj = 25°C	4.10	4.44
Cdc		
Pdc Tj = 20°C	1.37 kW	1.78 kW
EER Tj = 20°C	3.25	6.77
Cdc		
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	1099 kWh	812 kWh

# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	34 dB(A)	34 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	159 %	121 %
Prated	6.50 kW	6.00 kW
SCOP	4.04	3.10
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.50 kW
COP Tj = -7°C	3.04	2.15
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.50 kW	3.40 kW
COP Tj = +2°C	4.09	3.14
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.25 kW	2.10 kW
COP Tj = +7°C	4.73	3.55
Cdh Tj = +7 °C	0.960	0.970

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2.50 kW	2.50 kW
5.73	5.50
0.960	0.970
6.60 kW	5.50 kW
2.60	2.15
6.60 kW	5.30 kW
2.60	1.77
0.990	0.990
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
n/a	n/a
0.00 kW	0.70 kW
3321 kWh	4004 kWh
	5.73  0.960  6.60 kW  2.60  6.60 kW  2.60  0.990  60 °C  15 W  15 W  0 W  n/a  0.00 kW

EN 14825		
	Low temperature	Medium temperature
$\eta_s$	179 %	127 %
	·	





This information was generated by the HP KEYMARK database on 23 Jun 2022				
Prated	6.50 kW	6.00 kW		
SCOP	4.54	3.25		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	6.50 kW	6.00 kW		
COP Tj = +2°C	3.27	2.21		
Cdh Tj = +2 °C	0.990	0.990		
Pdh Tj = $+7^{\circ}$ C	4.30 kW	4.05 kW		
$COPTj = +7^{\circ}C$	4.85	2.99		
Cdh Tj = +7 °C	0.980	0.990		
Pdh Tj = 12°C	1.86 kW	1.90 kW		
COP Tj = 12°C	4.88	3.96		
Cdh Tj = +12 °C	0.950	0.960		
Pdh Tj = Tbiv	6.50 kW	6.00 kW		
COP Tj = Tbiv	3.27	2.21		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.00 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.27	2.21		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990		
WTOL	60 °C	60 °C		
Poff	15 W	15 W		
РТО	15 W	15 W		

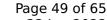


PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1913 kWh	2466 kWh

### Domestic Hot Water (DHW)

## Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	135 %
СОР	3.20
Heating up time	01:35 h:min
Standby power input	35.5 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	277





EN 16147	
Declared load profile	L
Efficiency ηDHW	149 %
СОР	3.50
Heating up time	01:28 h:min
Standby power input	36.5 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	277



# Model: AWHPR 8 MR + MIC-1C V190 R32

Configure model		
Model name	AWHPR 8 MR + MIC-1C V190 R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

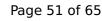
General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	7.6 kW	8.0 kW	
El input	1.66 kW	2.91 kW	
СОР	4.57	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	2.33 kW	1.45 kW		
Cooling capacity	6.50	7.10		
EER	2.79	4.88		



EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	7.1 kW
SEER	4.32	5.82
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.79	4.88
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.96	6.71
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	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Annual energy consumption Qce	904 kWh	732 kWh

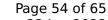
# Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	125 %
Prated	7.00 kW	7.00 kW
SCOP	4.48	3.21
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	1.95
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	2.78 kW	2.49 kW
COP Tj = +7°C	5.70	4.10
Cdh Tj = +7 °C	0.97	0.97

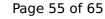
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Pdh Tj = 12°C	2.67 kW	2.55 kW
COP Tj = 12°C	7.80	6.10
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	6.19 kW	6.19 kW
COP Tj = Tbiv	2.97	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: PSUP	0.36 kW	2.1 kW
Annual energy consumption Qhe	3225 kWh	4504 kWh

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	214 %	149 %
Prated	7.00 kW	6.60 kW
	'	





This information was generated by the HP KEYMARK database on 23 Jun 2022			
SCOP	5.41	3.81	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	7.00 kW	6.60 kW	
COP Tj = +2°C	3.25	2.12	
Cdh Tj = +2 °C	0.990	0.990	
Pdh Tj = $+7$ °C	4.70 kW	4.58 kW	
$COPTj = +7^{\circ}C$	5.11	3.36	
Cdh Tj = +7 °C	0.980	0.990	
Pdh Tj = 12°C	2.11 kW	2.00 kW	
COP Tj = 12°C	6.71	5.00	
Cdh Tj = +12 °C	0.950	0.960	
Pdh Tj = Tbiv	7.00 kW	6.60 kW	
COP Tj = Tbiv	3.25	2.12	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.60 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.25	2.12	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990	
WTOL	60 °C	60 °C	
Poff	15 W	15 W	
РТО	15 W	15 W	
PSB	15 W	15 W	



PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1728 kWh	2315 kWh

## Domestic Hot Water (DHW)

## Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.85	
Heating up time	01:25 h:min	
Standby power input	34.9 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	278 I	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	143 %	
СОР	3.40	
Heating up time	01:20 h:min	
Standby power input	30.9 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	278	



# Model: AWHPR 8 MR + MIC-2C V190 R32

Configure model		
Model name	AWHPR 8 MR + MIC-2C V190 R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C	

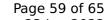
General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.60 kW	8.00 kW	
El input	1.74 kW	2.99 kW	
СОР	4.38	2.68	

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

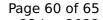
# Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.41 kW	1.53 kW	
Cooling capacity	6.50	7.10	
EER	2.70	4.64	

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.10 kW
SEER	3.86	5.04
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.70	4.64
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.74	6.16
Cdc		
Pdc Tj = 25°C	3.35 kW	3.18 kW
EER Tj = 25°C	4.29	4.68
Cdc		
Pdc Tj = 20°C	1.55 kW	1.67 kW
EER Tj = 20°C	4.34	5.55
Cdc		
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	1010 kWh	845 kWh

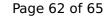
# Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	
Sound power level outdoor	59 dB(A)	59 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	161 %	116 %
Prated	7.00 kW	7.00 kW
SCOP	4.09	2.99
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.19 kW	6.19 kW
COP Tj = -7°C	2.87	1.90
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.12 kW	3.79 kW
COP Tj = +2°C	4.13	3.04
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.78 kW	2.49 kW
COP Tj = +7°C	4.94	3.65
Cdh Tj = +7 °C	0.970	0.970

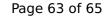
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2.67 kW	2.55 kW
6.40	5.17
0.960	0.960
6.19 kW	6.19 kW
2.87	1.90
6.64 kW	4.90 kW
2.51	1.62
0.990	0.990
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
n/a	n/a
0.36 kW	2.10 kW
3535 kWh	4843 kWh
	6.40  0.960  6.19 kW  2.87  6.64 kW  2.51  0.990  60 °C  15 W  15 W  0 W  n/a  0.36 kW

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	134 %





This information was gener	died by the HERELINA	RK database on 23 jun 2022
Prated	7.00 kW	6.60 kW
SCOP	4.72	3.44
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.60 kW
COP Tj = +2°C	3.14	2.07
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.70 kW	4.58 kW
$COPTj = +7^{\circ}C$	4.72	3.18
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	2.11 kW	2.00 kW
COP Tj = 12°C	5.42	4.21
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	7.00 kW	6.60 kW
COP Tj = Tbiv	3.14	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.14	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W

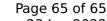


PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1980 kWh	2566 kWh

### Domestic Hot Water (DHW)

## Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.85
Heating up time	01:25 h:min
Standby power input	34.9 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	278





EN 16147	
Declared load profile	L
Efficiency ηDHW	143 %
СОР	3.40
Heating up time	01:20 h:min
Standby power input	30.9 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	278