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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

#### <u>Login</u>

Summary of	STRATEO 6/8 MR/E R32	Reg. No.	21HK0006/00	
Certificate Holder		'		
Name	De Dietrich Thermique Iberia	De Dietrich Thermique Iberia		
Address	Salvador Espriu, 11	Zip	08908	
City	L'Hospitalet de Llobregat	Country	Spain	
Certification Body	Kiwa Nederland B.V.	Kiwa Nederland B.V.		
Subtype title	STRATEO 6/8 MR/E R32	STRATEO 6/8 MR/E R32		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32	R32		
Mass of Refrigerant	1.2 kg	1.2 kg		
Certification Date	21.05.2021	21.05.2021		
Testing basis	European KEYMARK Scheme for	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	

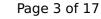
General Data		
Power supply	1x230V 50Hz	

# 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	

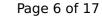


EN 14825			
	+7°C/+12°C	+18°C/+23°C	
Pdesignc	6.5 kW	7.0 kW	
SEER	3.95	5.99	
Pdc Tj = 35°C	6.50 kW	7.00 kW	
EER Tj = 35°C	2.83	4.88	
Pdc Tj = 30°C	4.90 kW	5.39 kW	
EER Tj = 30°C	3.99	6.65	
Pdc Tj = 25°C	3.10 kW	3.32 kW	
EER Tj = 25°C	4.55	4.93	
Pdc Tj = 20°C	1.37 kW	1.78 kW	
EER Tj = 20°C	3.96	9.48	
Poff	15 W	15 W	
PTO	15 W	15 W	
PSB	15 W	15 W	
PCK	0 W	o w	
Annual energy consumption Qce	987 kWh	701 kWh	



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 = $+7^{\circ}$ 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: Type of energy input	Electricity	Electricity
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 %





		The database on 10 Mai 2022
Prated	6.50 kW	6.00 kW
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
COP Tj = +7°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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1658 kWh	2222 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	34 dB(A)	34 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

### Domestic Hot Water (DHW)

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 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	

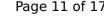
General Data		
Power supply 1x230V 50Hz		

# 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





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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



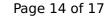
EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	7.1 kW
SEER	4.32	5.82
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.79	4.88
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.96	6.71
Pdc Tj = 25°C	3.35 kW	3.18 kW
EER Tj = 25°C	4.74	5.26
Pdc Tj = 20°C	1.55 kW	1.67 kW
EER Tj = 20°C	5.50	7.40
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	904 kWh	732 kWh



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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)

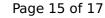
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	125 %
Prated	7.00 kW	7.00 kW
SCOP	4.48	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.19 kW	6.19 kW
COP Tj = -7°C	2.97	1.95
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh Tj = +2 °C	0.98	0.99
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





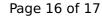
Pdh Tj = 12°C	2.67 kW	2.55 kW
COP Tj = 12°C	7.80	6.10
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	6.19 kW	6.19 kW
COP Tj = Tbiv	2.97	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if 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	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
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 %





This information was genera		
Prated	7.00 kW	6.60 kW
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	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.58 kW
COP Tj = +7°C	5.11	3.36
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.11 kW	2.00 kW
COP Tj = 12°C	6.71	5.00
Cdh Tj = +12 °C	0.95	0.96
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	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	10.6 W	15 W





PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1728 kWh	2315 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

### Domestic Hot Water (DHW)

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	