

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	DAIKIN ALTHERMA 3 R F 3.5KW	Reg. No.	011-1W0198
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	Universität Stuttgart, IGE, Prüfstelle HLK		
Subtype title	DAIKIN ALTHERMA 3 R F 3.5KW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1 kg		
Certification Date	27.03.2020		

Model: ERLA03DV / EHFZ03S18D3V

General Data

Power supply	1x230V 50Hz
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Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	173 %	126 %
Prated	3.50 kW	3.50 kW
SCOP	4.40	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.30 kW	3.20 kW
COP Tj = -7°C	3.03	2.21
Cdh	1.00	1.00
Pdh Tj = +2°C	2.00 kW	1.90 kW
COP Tj = +2°C	4.47	3.28
Cdh	1.00	1.00
Pdh Tj = +7°C	1.40 kW	1.20 kW
COP Tj = +7°C	6.18	4.16
Cdh	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.60 kW

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COP Tj = 12°C	8.30	6.26
Cdh	0.90	0.90
Pdh Tj = Tbiv	3.60 kW	3.50 kW
COP Tj = Tbiv	2.72	1.76
Pdh Tj = TOL	3.60 kW	3.50 kW
COP Tj = TOL	2.72	1.76
WTOL	55 °C	55 °C
Poff	11 W	11 W
PTO	22 W	22 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1643 kWh	2237 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Heating

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EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.59 kW	3.53 kW
El input	0.72 kW	1.21 kW
COP	5.00	2.94
Indoor water flow rate	0.61 m ³ /h	0.39 m ³ /h

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	kW	kW
Indoor water flow rate	m ³ /h	m ³ /h
Cooling capacity	4.00	
EER	3.60	

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	110 %
COP	2.67
Heating up time	1:40 h:min
Standby power input	19.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	240 l

Model: ERLA03DV / EHFH03S18D3V

General Data

Power supply	1x230V 50Hz
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Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	173 %	126 %
Prated	3.50 kW	3.50 kW
SCOP	4.40	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.30 kW	3.20 kW
COP Tj = -7°C	3.03	2.21
Cdh	1.00	1.00
Pdh Tj = +2°C	2.00 kW	1.90 kW
COP Tj = +2°C	4.47	3.28
Cdh	1.00	1.00
Pdh Tj = +7°C	1.40 kW	1.20 kW
COP Tj = +7°C	6.18	4.16
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Poff	11 W	11 W
PTO	22 W	22 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1643 kWh	2237 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Heating

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.59 kW	3.53 kW
El input	0.72 kW	1.21 kW
COP	5.00	2.94
Indoor water flow rate	0.61 m ³ /h	0.39 m ³ /h

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	kW	kW
Indoor water flow rate	m ³ /h	m ³ /h
Cooling capacity	4.00	
EER	3.60	

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	110 %
COP	2.67
Heating up time	1:40 h:min
Standby power input	19.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	240 l

Model: ERLA03DV / EHFH03S18D3V + cooling kit

General Data

Power supply	1x230V 50Hz
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Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	173 %	126 %
Prated	3.50 kW	3.50 kW
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PTO	22 W	22 W
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PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1643 kWh	2237 kWh

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	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Heating

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EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.59 kW	3.53 kW
El input	0.72 kW	1.21 kW
COP	5.00	2.94
Indoor water flow rate	0.61 m ³ /h	0.39 m ³ /h

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	1.17 kW	kW
Indoor water flow rate	0.60 m ³ /h	m ³ /h
Cooling capacity	3.49	
EER	3.03	

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EN 14825	
	+7°C/+12°C
P _{designc}	3.50 kW
SEER	4.41
P _{dc} T _j = 35°C	3.49 kW
EER T _j = 35°C	3.03
P _{dc} T _j = 30°C	2.66 kW
EER T _j = 30°C	4.21
C _{dc}	1.0
P _{dc} T _j = 25°C	1.73 kW
EER T _j = 25°C	5.11
C _{dc}	1.0
P _{dc} T _j = 20°C	1.38 kW
EER T _j = 20°C	6.79
C _{dc}	1.0
P _{off}	11 W
PTO	22 W
PSB	11 W
PCK	11 W
Annual energy consumption Q _{ce}	476 kWh

Domestic Hot Water (DHW)

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Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	110 %
COP	2.67
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