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Login

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		
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

Configure model	
Model name	ERLA03DV / EHFZ03S18D3V
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.00 kW	1.90 kW
COP Tj = +2°C	4.47	3.28
Cdh Tj = +2 °C	1.00	1.00

Pdh Tj = +7°C	1.40 kW	1.20 kW
COP Tj = +7°C	6.18	4.16
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.60 kW
COP Tj = 12°C	8.30	6.26
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	3.60 kW	3.50 kW
COP Tj = Tbiv	2.72	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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

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

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
Cooling capacity	4.00	
EER	3.60	

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	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

Configure model	
Model name	ERLA03DV / EHFH03S18D3V
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.00 kW	1.90 kW
COP Tj = +2°C	4.47	3.28
Cdh Tj = +2 °C	1.00	1.00

Pdh Tj = +7°C	1.40 kW	1.20 kW
COP Tj = +7°C	6.18	4.16
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.60 kW
COP Tj = 12°C	8.30	6.26
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	3.60 kW	3.50 kW
COP Tj = Tbiv	2.72	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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

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

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
Cooling capacity	4.00	
EER	3.60	

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	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

Configure model	
Model name	ERLA03DV / EHFH03S18D3V + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.00 kW	1.90 kW
COP Tj = +2°C	4.47	3.28
Cdh Tj = +2 °C	1.00	1.00

Pdh Tj = +7°C	1.40 kW	1.20 kW
COP Tj = +7°C	6.18	4.16
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.60 kW
COP Tj = 12°C	8.30	6.26
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	3.60 kW	3.50 kW
COP Tj = Tbiv	2.72	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	3.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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

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

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
Cooling capacity	3.49	
EER	3.03	

EN 14825

	+7°C/+12°C
Pdesignc	3.50 kW
SEER	4.41
Pdc Tj = 35°C	3.49 kW
EER Tj = 35°C	3.03
Pdc Tj = 30°C	2.66 kW
EER Tj = 30°C	4.21
Cdc	1.0
Pdc Tj = 25°C	1.73 kW
EER Tj = 25°C	5.11
Cdc	1.0
Pdc Tj = 20°C	1.38 kW
EER Tj = 20°C	6.79
Cdc	1.0
Poff	11 W
PTO	22 W
PSB	11 W
PCK	11 W
Annual energy consumption Qce	476 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	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