

Summary of	DAIKIN ALTHERMA 3 R ECH2O 8KW (500L) (/A) Reg. No. 011-1W026		011-1W0267
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	Wärmepumpen-Testzentrum WPZ		
Subtype title	DAIKIN ALTHERMA 3 R ECH2O 8KW (500L) (/A)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.5 kg		
Certification Date	17.08.2018		
Testing basis	HP KEYMARK certification scheme rules rev. 7		



## Model: ERGA08DV / EHSX08P50D

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

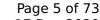
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	131 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh	1.00	1.00





	·	
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	7.10 kW
COP Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	106 %
СОР	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237



## Model: ERGA08DV / EHSXB08P50D

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	131 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh	1.00	1.00





	·	
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	7.10 kW
COP Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	110 %
СОР	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211



## Model: ERGA08DV / EHSH08P50D

General Data		
Power supply 1x230V 50Hz		

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

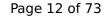
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



 $$\operatorname{\textit{Page}}\ 11$$  of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

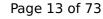
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	130 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh	1.00	1.00





Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	7.10 kW
COP Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	106 %
СОР	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237



## Model: ERGA08DV / EHSHB08P50D

General Data	
Power supply	1x230V 50Hz

## Heating

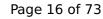
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	
Indoor water flow rate	1.29 m³/h	0.92 m³/h	

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

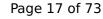
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	130 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh	1.00	1.00





This information was get		
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	7.10 kW
COP Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	110 %
СОР	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211



## Model: ERGA08DVA / EHSX08P50D

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	
Indoor water flow rate	1.29 m³/h	0.92 m³/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



 $$\operatorname{\textit{Page}}\ 19$$  of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

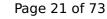
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	129 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





	·	
Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	106 %
СОР	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237



## Model: ERGA08DVA / EHSXB08P50D

General Data	
Power supply	1x230V 50Hz

## Heating

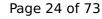
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	129 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





	·	
Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	110 %
СОР	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211



## Model: ERGA08DVA / EHSH08P50D

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

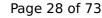
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



 $$\operatorname{\textit{Page}}\xspace$  27 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	128 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	2.57	
Heating up time	2:47 h:min	
Standby power input	38.2 W	
Reference hot water temperature	45.2 °C	
Mixed water at 40°C	237	



## Model: ERGA08DVA / EHSHB08P50D

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

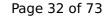
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



 $$\operatorname{\textit{Page}}\ 31$$  of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

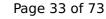
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	128 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





	· · · · · · · · · · · · · · · · · · ·	
Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	2.66	
Heating up time	2:29 h:min	
Standby power input	42.0 W	
Reference hot water temperature	45.0 °C	
Mixed water at 40°C	211	



## Model: ERGA08EV / EHSX08P50D3

General Data		
Power supply	1x230V 50Hz	

## Heating

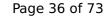
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

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



EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	39 dB(A)	39 dB(A)		
Sound power level outdoor	62 dB(A)	62 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	181 %	131 %	
Prated	8.00 kW	8.00 kW	
SCOP	4.61	3.35	
Tbiv	-8 °C	-8 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.00 kW	6.90 kW	
COP Tj = -7°C	2.77	1.96	
Cdh		1.00	
Pdh Tj = +2°C	4.20 kW	4.40 kW	
COP Tj = +2°C	4.35	3.20	
Cdh	1.00	1.00	
Pdh Tj = +7°C	3.30 kW	3.30 kW	
COP Tj = +7°C	6.49	4.64	
Cdh	1.00	1.00	





	·	
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	7.10 kW
COP Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

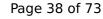
# Cooling





EN 14511-2	
+7°C/+12°C	
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

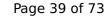
#### EN 14825





This information was generated by the Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	2.57	
Heating up time	2:47 h:min	
Standby power input	38.2 W	
Reference hot water temperature	45.2 °C	
Mixed water at 40°C	237	



# Model: ERGA08EV / EHSXB08P50D3

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	131 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh	1.00	1.00

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





	-	
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	7.10 kW
COP Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

# Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825





This information was generated by the Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	2.66	
Heating up time	2:29 h:min	
Standby power input	42.0 W	
Reference hot water temperature	45.0 °C	
Mixed water at 40°C	211	



# Model: ERGA08EV / EHSH08P50D3

General Data	
Power supply 1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/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

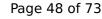


 $$\operatorname{\textit{Page}}\xspace$  47 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	130 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh	1.00	1.00

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





				_
This information	n was generated by	the HP KEYMARK	database on 1	.7 Dec 2020

	-	
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	7.10 kW
COP Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	106 %
СОР	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237



# Model: ERGA08EV / EHSHB08P50D3

General Data	
Power supply 1x230V 50Hz	

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	
Indoor water flow rate	1.29 m³/h	0.92 m³/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

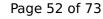




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	130 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh	1.00	1.00

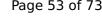
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





3.90 kW	4.10 kW
8.52	6.22
1.00	1.00
7.50 kW	7.50 kW
2.66	1.90
6.90 kW	7.10 kW
2.41	1.64
1.00	1.00
35 °C	55 °C
10 W	10 W
10 W	10 W
10 W	10 W
o w	0 W
Electrical	Electrical
1.10 kW	1.00 kW
3625 kWh	4975 kWh
	8.52  1.00  7.50 kW  2.66  6.90 kW  2.41  1.00  35 °C  10 W  10 W  0 W  Electrical  1.10 kW

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$  53 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	2.66	
Heating up time	2:29 h:min	
Standby power input	42.0 W	
Reference hot water temperature	45.0 °C	
Mixed water at 40°C	211	



# Model: ERGA08EVA / EHSX08P50D3

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	
Indoor water flow rate	1.29 m³/h	0.92 m³/h	

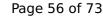
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	129 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

# Cooling

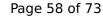




 $$\operatorname{\textit{Page}}\xspace$  57 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2		
	+7°C/+12°C	
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

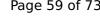
#### EN 14825





This information was generated by the Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$  59 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	2.57	
Heating up time	2:47 h:min	
Standby power input	38.2 W	
Reference hot water temperature	45.2 °C	
Mixed water at 40°C	237 I	



# Model: ERGA08EVA / EHSXB08P50D3

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/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	



 $$\operatorname{\textit{Page}}\xspace$  61 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	129 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





 $$\operatorname{\textit{Page}}\xspace$  62 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

# Cooling





 $$\operatorname{\textit{Page}}\xspace$  63 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2		
	+7°C/+12°C	
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825





	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	2.66	
Heating up time	2:29 h:min	
Standby power input	42.0 W	
Reference hot water temperature	45.0 °C	
Mixed water at 40°C	211	



# Model: ERGA08EVA / EHSH08P50D3

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/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	



 $$\operatorname{\textit{Page}}\xspace$  67 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	128 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	2.57	
Heating up time	2:47 h:min	
Standby power input	38.2 W	
Reference hot water temperature	45.2 °C	
Mixed water at 40°C	237	



# Model: ERGA08EVA / EHSHB08P50D3

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	
Indoor water flow rate	1.29 m³/h	0.92 m³/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	

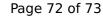


 $$\operatorname{\textit{Page}}\ 71$$  of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	128 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

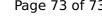
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh
	l	

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$  73 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	2.66	
Heating up time	2:29 h:min	
Standby power input	42.0 W	
Reference hot water temperature	45.0 °C	
Mixed water at 40°C	211	