

DAIKIN EPRA12EV3 12kW/ ETBH12E(6V/9W) / EKHWSU(150-300)D3V3 - ECODESIGN Data

Heating-Average Climate

EN 14511-2

	A7/W35	A7/W55
Heat output	6.17kW	7.72kW
El input	1.25kW	2.63kW
COP	4.92	2.94

EN 12102

	Low temperature	Medium temperature
Sound power level indoor	44dB(A)	44dB(A)
Sound power level outdoor	53dB(A)	53dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186%	134%
P_{rated}	8.3kW	8.5kW
SCOP	4.71	3.43
T_{biv}	-10°C	-10°C
TOL	-10°C	-10°C
Pdh Tj = -7°C	7.5kW	7.6kW
COPd Tj = -7°C	3.10	2.21
Pdh Tj = +2°C	4.4kW	4.6kW
COPd Tj = +2°C	4.76	3.37
Pdh Tj = +7°C	4.3kW	3.0kW
COPd Tj = +7°C	6.14	4.48
Pdh Tj = +12°C	6.6kW	3.7kW
COPd Tj = +12°C	7.84	5.98
Pdh Tj = bivalent temperature	8.1kW	8.3kW

COPd Tj = bivalent temperature	2.77	1.97
Pdh Tj = TOL	8.1kW	8.3kW
COPd Tj = TOL	2.77	1.97
Cdh	1.00	1.00
WTOL	35°C	55°C
P _{OFF}	21W	21W
P _{TO}	24W	24W
P _{SB}	21W	21W
P _{CK}	0W	0W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: P _{SUP}	0.00kW	0.00kW
Annual energy consumption Q _{HE}	3637kWh	5120kWh

Domestic Hot Water (DHW)-Average Climate – Separate DHW Tank

EN 16147	EKHWSU150D3V3	EKHWSU180D3V3	EKHWSU200D3V3	EKHWSU250D3V3	EKHWSU300D3V3
Declared load profile	L	L	L	L	L
Efficiency η_{dhw}	84%	110%	121%	112%	114%
Capacity of HP (kW)	12	12	12	12	12
Reference hot water temperature	51.8°C	51.8°C	51.8°C	47°C	47.9°C
Volume of DHW accounted in the test	145ltr	174ltr	192ltr	242ltr	292ltr
Tank DHW volume	150ltr	180ltr	200ltr	250ltr	300ltr
Stand-by heat losses	1.08kWh	1.2kWh	1.32kWh	1.44kWh	1.632kWh