

DAIKIN EDLA08E3V3 8kW / EKHWSU(150-300)D3V3 ECODESIGN Data
Heating-Average Climate

EN 14511-2

	A7/W35	A7/W55
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179%	130%
P_{rated}	8.00kW	8.00kW
SCOP	4.56	3.32
T_{biv}	-8°C	-8°C
TOL	-10°C	-10°C
$P_{dh} T_j = -7^\circ C$	7.00kW	6.90kW
$COP_d T_j = -7^\circ C$	2.77	1.96
$P_{dh} T_j = +2^\circ C$	4.20kW	4.40kW
$COP_d T_j = +2^\circ C$	4.35	3.20
$P_{dh} T_j = +7^\circ C$	3.30kW	3.30kW
$COP_d T_j = +7^\circ C$	6.49	4.64
$P_{dh} T_j = +12^\circ C$	3.90kW	4.10kW
$COP_d T_j = +12^\circ C$	8.52	6.22
$P_{dh} T_j = \text{bivalent temperature}$	7.50kW	7.50kW
$COP_d T_j = \text{bivalent temperature}$	2.66	1.90
$P_{dh} T_j = TOL$	6.90kW	7.05kW

COPd Tj = TOL	2.41	1.64
Cdh	1.00	1.00
WTOL	35°C	55°C
P _{OFF}	10W	10W
P _{TO}	10W	10W
P _{SB}	10W	10W
P _{CK}	0W	0W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: P _{SUP}	1.10kW	0.95kW
Annual energy consumption Q _{HE}	3625kWh	4975kWh

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

EN 16147	EKHWSU150D3V3	EKHWSU180D3V3	EKHWSU200D3V3	EKHWSU250D3V3	EKHWSU300D3V3
Declared load profile	L	L	L	XL	XL
Efficiency η_{dhw}	84%	110%	121%	117%	114%
Capacity of HP (kW)	4	4	4	4	4
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