

DAIKIN ERLA16DV3 EBBH16D6V ECODESIGN Data

Heating-Average Climate

EN 14511-2

	A7/W35	A7/W55
Heat output	16.00kW	15.63kW
El input	3.53kW	5.68kW
COP	4.53	2.75

EN 12102

	Low temperature	Medium temperature
Sound power level indoor	44dB(A)	44dB(A)
Sound power level outdoor	62dB(A)	62dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181%	130%
P_{rated}	12kW	12kW
SCOP	4.61	3.32
T_{biv}	-8°C	-5°C
TOL	-10°C	-10°C
Pdh Tj = -7°C	11.2kW	9.40kW
COPd Tj = -7°C	2.87	1.95
Pdh Tj = +2°C	6.7 kW	6.9 kW
COPd Tj = +2°C	4.33	3.27
Pdh Tj = +7°C	4.70kW	4.40kW
COPd Tj = +7°C	6.83	4.93
Pdh Tj = +12°C	5.50kW	5.30kW
COPd Tj = +12°C	8.82	6.60
Pdh Tj = bivalent temperature	11.4kW	10.1kW

COPd Tj = bivalent temperature	2.72	2.13
Pdh Tj = TOL	10.6kW	6.0kW
COPd Tj = TOL	2.52	1.50
Cdh	1.00	1.00
WTOL	35°C	55°C
P _{OFF}	23W	23W
P _{TO}	23W	23W
P _{SB}	23W	23W
P _{CK}	0W	0W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: P _{SUP}	1.4kW	6.10kW
Annual energy consumption Q _{HE}	5377kWh	7477kWh

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

EN 16147

EN 16147	EKHWSU150D3V3	EKHWSU180D3V3	EKHWSU200D3V3	EKHWSU250D3V3	EKHWSU300D3V3
Declared load profile	L	L	L	L	L
Efficiency η_{dhw}	80%	105%	115%	107%	109%
Capacity of HP (kW)	11	11	11	11	11
Reference hot water temperature	52.5°C	52.5°C	52.5°C	52.5°C	52.5°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