

DAIKIN EPRA18DV3 18kW / ETBX16E(6V/9W) / EKHWSU(150-300)D3V3 ECODESIGN Data
Heating-Average Climate

EN 14511-2

	A7/W35	A7/W55
Heat output	9.0 kW	7.24 kW
El input	1.8 kW	2.41 kW
COP	5	3.01

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	180%	142%
P_{rated}	13kW	13kW
SCOP	4.57	3.62
T_{biv}	-7°C	-10°C
TOL	-10°C	-10°C
$P_{dh} T_j = -7^\circ C$	11.1kW	11.2kW
$COP_d T_j = -7^\circ C$	3.12	2.47
$P_{dh} T_j = +2^\circ C$	6.7kW	6.9kW
$COP_d T_j = +2^\circ C$	4.44	3.56
$P_{dh} T_j = +7^\circ C$	5.7kW	6.9kW
$COP_d T_j = +7^\circ C$	5.84	4.44
$P_{dh} T_j = +12^\circ C$	6.0kW	6.2kW
$COP_d T_j = +12^\circ C$	7.4	5.72
$P_{dh} T_j = \text{bivalent temperature}$	11.1kW	12.2kW

COPd Tj = bivalent temperature	3.12	2.19
Pdh Tj = TOL	11.1kW	12.2kW
COPd Tj = TOL	2.76	2.19
Cdh	1.00	1.00
WTOL	35°C	55°C
P _{OFF}	21W	21W
P _{TO}	41W	41W
P _{SB}	21W	21W
P _{CK}	0W	0W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: P _{SUP}	1.40kW	0kW
Annual energy consumption Q _{HE}	5649kWh	7134kWh

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}	64%	96%	100%	100%	90%
Capacity of HP (kW)	18	18	18	18	18
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