

SPACE V4

Serie

SPACE V4

Edition

09/20

Models

AWD-V4-40

AWD-V4-60

AWD-V4-80

AWD-V4-100

Heat pump combination heater		Outdoor	AOWD-V4-40	AOWD-V4-40	AOWD-V4-60	AOWD-V4-60	AOWD-V4-80	AOWD-V4-80	AOWD-V4-100	AOWD-V4-100
		Indoor	AIWD-V4-60/200L	AIWD-V4-60/300L	AIWD-V4-60/200L	AIWD-V4-60/300L	AIWD-V4-80/200L	AIWD-V4-80/300L	AIWD-V4-80/200L	AIWD-V4-80/300L
Indoor unit sound power(*)		[dB(A)]	43	43	43	43	43	43	43	43
Outdoor unit sound power(*)		[dB(A)]	61	61	62	62	63	63	65	65
Water heating	Declared load profile	-	L	XL	L	XL	L	XL	L	XL
	Energy efficiency class	-	A	A	A	A	A	A	A	A
Space heating	Energy efficiency class at 55°C (High temp. app.)	-	A++	A++	A++	A++	A++	A++	A++	A++
Average climate (Design temperature =-10°C)										
Water heating	Water heating energy efficiency (η_{wh})	[%]	111.4	118.8	111.4	118.8	108.8	115.7	108.8	115.7
	Annual electricity consumption (AEC)	[kWh]	919	1410	919	1410	941	1448	941	1448
Space heating	P_{rated} (declared heating capacity)@-10°C	[kW]	6.0	6.0	6.0	6.0	7.9	7.9	7.9	7.9
	Seasonal space heating efficiency(η_s)	[%]	130.6	130.6	130.6	130.6	128	128	128	128
	Annual energy consumption	[kWh]	3712	3712	3712	3712	4995	4995	4995	4995
Off-peak operation function integrated in heat pump		Y/N	N	N	N	N	N	N	N	N
Colder climate (Design temperature =-22°C)										
Water heating	Water heating energy efficiency (η_{wh})	[%]	-	-	-	-	-	-	-	-
	Annual energy consumption	[kWh]	-	-	-	-	-	-	-	-
Space heating	P_{rated} (declared heating capacity)@-22°C	[kW]	5.1	5.1	5.1	5.1	7.0	7.0	7.0	7.0
	Seasonal space heating efficiency(η_s)	[%]	108.0	108.0	108.0	108.0	103.5	103.5	103.5	103.5
	Annual energy consumption	[kWh]	4524	4524	4524	4524	6467	6467	6467	6467
Warmer climate (Design temperature =2°C)										
Water heating	Water heating energy efficiency (η_{wh})	[%]	135.4	122.8	135.4	122.8	130.7	145.9	130.7	145.9
	Annual energy consumption	[kWh]	756	1364	756	1364	783	1148	783	1148
Space heating	P_{rated} (declared heating capacity)@2°C	[kW]	6.0	6.0	6.0	6.0	8.4	8.4	8.4	8.4
	Seasonal space heating efficiency(η_s)	[%]	167.3	167.3	167.3	167.3	167.8	167.8	167.8	167.8
	Annual energy consumption	[kWh]	1888	1888	1888	1888	2626	2626	2626	2626

Heat pump combination heater		Outdoor	AOWD-V4-40	AOWD-V4-40	AOWD-V4-60	AOWD-V4-60	AOWD-V4-80	AOWD-V4-80	AOWD-V4-100	AOWD-V4-100
		Indoor	AIWD-V4-60/200L	AIWD-V4-60/300L	AIWD-V4-60/200L	AIWD-V4-60/300L	AIWD-V4-80/200L	AIWD-V4-80/300L	AIWD-V4-80/200L	AIWD-V4-80/300L
Ecodesign technical data										
Product description	Air-to-water heat pump	Y/N	Y	Y	Y	Y	Y	Y	Y	Y
	Water-to-water heat pump	Y/N	N	N	N	N	N	N	N	N
	Brine-to-water heat pump	Y/N	N	N	N	N	N	N	N	N
	Low-temperature heat pump	Y/N	N	N	N	N	N	N	N	N
	Equipped with a supplementary heater	Y/N	N	N	N	N	N	N	N	N
	Heat pump combination heater	Y/N	Y	Y	Y	Y	Y	Y	Y	Y
Air-to-water unit	Rated airflow (outdoor)	[m ³ /h]	3250	3250	3250	3250	4950	4950	4950	4950
Brine/water-to-water heat pump	Rated brine/water flow (outdoor H/E)	[m ³ /h]	-	-	-	-	-	-	-	-
Other	Capacity control	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	P _{off} (Power consumption Off mode)	[kW]	0.015	0.015	0.015	0.015	0.014	0.014	0.014	0.014
	P _{to} (Power consumption Thermostat off mode)	[kW]	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
	P _{sb} (Power consumption standby mode)	[kW]	0.015	0.015	0.015	0.015	0.014	0.014	0.014	0.014
	P _{CK} (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Q _{elec} (Daily electricity consumption)	[kWh]	4.415	6.685	4.415	6.685	4.534	6.865	4.534	6.865
	Q _{fuel} (Daily fuel consumption)	[kWh]	-	-	-	-	-	-	-	-

Heat pump combination heater		Outdoor	AOWD-V4-40	AOWD-V4-40	AOWD-V4-60	AOWD-V4-60	AOWD-V4-80	AOWD-V4-80	AOWD-V4-100	AOWD-V4-100
		Indoor	AIWD-V4-60/200L	AIWD-V4-60/300L	AIWD-V4-60/200L	AIWD-V4-60/300L	AIWD-V4-80/200L	AIWD-V4-80/300L	AIWD-V4-80/200L	AIWD-V4-80/300L
Part load conditions space heating average climate										
(A) condition (-7°C)	P _{dh} (declared heating capacity)	[kW]	5.31	5.31	5.31	5.31	7.01	7.01	7.01	7.01
	COP _d (declared COP)	-	2.00	2.00	2.00	2.00	2.02	2.02	2.02	2.02
	C _{dh} (deklaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	P _{dh} (declared heating capacity)	[kW]	3.38	3.38	3.38	3.38	4.46	4.46	4.46	4.46
	COP _d (declared COP)	-	3.23	3.23	3.23	3.23	3.19	3.19	3.19	3.19
	C _{dh} (deklaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	P _{dh} (declared heating capacity)	[kW]	2.31	2.31	2.31	2.31	2.95	2.95	2.95	2.95
	COP _d (declared COP)	-	4.60	4.60	4.60	4.60	4.41	4.41	4.41	4.41
	C _{dh} (deklaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	P _{dh} (declared heating capacity)	[kW]	1.34	1.34	1.34	1.34	1.38	1.38	1.38	1.38
	COP _d (declared COP)	-	6.10	6.10	6.10	6.10	5.11	5.11	5.11	5.11
	C _{dh} (deklaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperature Operating Limit)	T _{ol} (Temperature Operating Limit)	[°C]	-10	-10	-10	-10	-10	-10	-10	-10
	P _{dh} (declared heating capacity)	[kW]	4.62	4.62	4.62	4.62	6.62	6.62	6.62	6.62
	COP _d (declared COP)	-	1.62	1.62	1.62	1.62	1.65	1.65	1.65	1.65
	WTOL(Heating water Operation Limit)	[°C]	60	60	60	60	60	60	60	60
(F) T _{biv} (Bivalent Temperature)	T _{biv}	[°C]	-7	-7	-7	-7	-7	-7	-7	-7
	P _{dh} (declared heating capacity)	[kW]	5.31	5.31	5.31	5.31	7.01	7.01	7.01	7.01
	COP _d (declared COP)	-	2.00	2.00	2.00	2.00	2.02	2.02	2.02	2.02
Capacity of the back-up heater integrated in the unit	P _{sup} back-up heater (@ T _{designh} : -10°C)	[kW]	-	-	-	-	-	-	-	-
Supplementary capacity at P _{design}	P _{sup} (@ T _{designh} : -10°C)	[kW]	1.38	1.38	1.38	1.38	1.28	1.28	1.28	1.28

Details and precautions on installation, maintenance and assembly can be found in the installation and operation manuals.

(*Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825.

This data is for comparison of Energy efficiencies according to Energy label directive 2010/30/EU, for correct selection of products for your application, contact your dealer.

Depending on your application and the product selected, an additional supplementary heater may have to be installed.

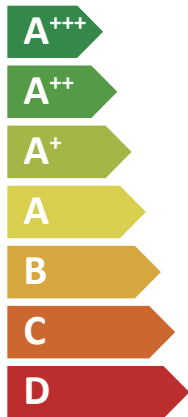
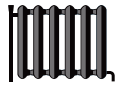


ENERG
енергия · ενέργεια

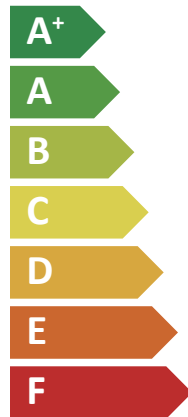
Y IJA
IE IA

daitsu

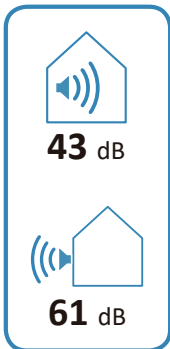
AOWD-V4-40
AIWD-V4-60/200L



A++



A



2019

811/2013

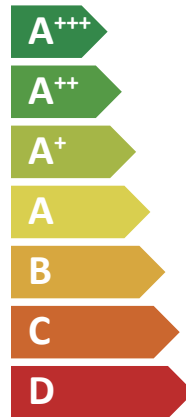
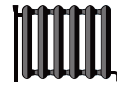


ENERG
енергия · ενέργεια

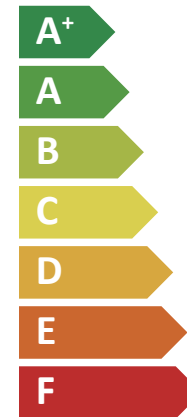
Y IJA
IE IA

daitsu

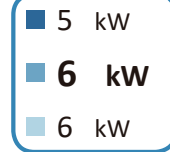
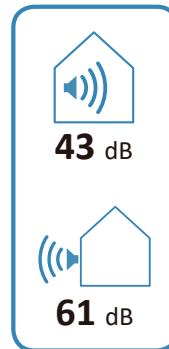
AOWD-V4-40
AIWD-V4-60/300L



A++



A



2019

811/2013

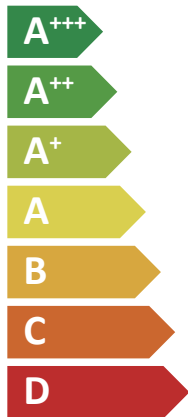
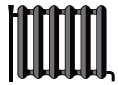


ENERG
енергия · ενέργεια

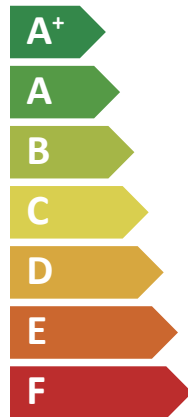
Y IJA
IE IA

daitsu

AOWD-V4-60
AIWD-V4-60/200L



A⁺⁺



A



43 dB



62 dB



- 5 kW
- 6 kW
- 6 kW

2019

811/2013

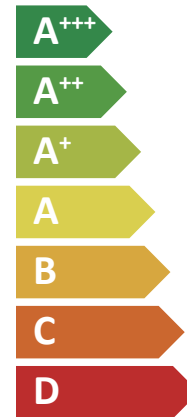
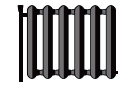


ENERG
енергия · ενέργεια

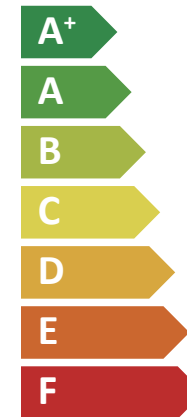
Y IJA
IE IA

daitsu

AOWD-V4-60
AIWD-V4-60/300L



A⁺⁺



A



43 dB



62 dB



- 5 kW
- 6 kW
- 6 kW

2019

811/2013

Heat pump space heater		Outdoor	AOWD-V4-40	AOWD-V4-60	AOWD-V4-80	AOWD-V4-100
		Indoor	AIWD-V4-60	AIWD-V4-60	AIWD-V4-80	AIWD-V4-80
Indoor unit sound power(*)		[dB(A)]	43	43	43	43
Outdoor unit sound power(*)		[dB(A)]	61	62	63	65
Space heating	Energy efficiency class at 55°C (High temp. app.)	-	A++	A++	A++	A++
	Energy efficiency class at 35°C (Low temp. app.)	-	A+++	A+++	A+++	A+++
Average climate (Design temperature =-10°C)						
Space heating 55°C	P _{rated} (declared heating capacity)@-10°C	[kW]	6.0	6.0	7.9	7.9
	Seasonal space heating efficiency(η _s)	[%]	130.6	130.6	128.0	128.0
	Annual energy consumption	[kWh]	3712	3712	4995	4995
Space heating 35°C	P _{rated} (declared heating capacity)@-10°C	[kW]	6.2	6.2	8.9	8.9
	Seasonal space heating efficiency(η _s)	[%]	187.5	187.5	188.4	188.4
	Annual energy consumption	[kWh]	2692	2692	3834	3834
Off-peak operation function integrated in heat pump		Y/N	N	N	N	N
Colder climate (Design temperature =-22°C)						
Space heating 55°C	P _{rated} (declared heating capacity)@-22°C	[kW]	5.1	5.1	7.0	7.0
	Seasonal space heating efficiency(η _s)	[%]	108.0	108.0	103.5	103.5
	Annual energy consumption	[kWh]	4524	4524	6467	6467
Space heating 35°C	P _{rated} (declared heating capacity)@-22°C	[kW]	5.9	5.9	7.8	7.8
	Seasonal space heating efficiency(η _s)	[%]	159.5	159.5	157.4	157.4
	Annual energy consumption	[kWh]	3572	3572	4825	4825
Warmer climate (Design temperature =2°C)						
Space heating 55°C	P _{rated} (declared heating capacity)@2°C	[kW]	6.0	6.0	8.4	8.4
	Seasonal space heating efficiency(η _s)	[%]	167.3	167.3	167.8	167.8
	Annual energy consumption	[kWh]	1888	1888	2626	2626
Space heating 35°C	P _{rated} (declared heating capacity)@2°C	[kW]	5.6	5.6	8.0	8.0
	Seasonal space heating efficiency(η _s)	[%]	252.5	252.5	262.9	262.9
	Annual energy consumption	[kWh]	1167	1167	1603	1603
Ecodesign technical data						
Product description	Air-to-water heat pump	Y/N	Y	Y	Y	Y
	Water-to-water heat pump	Y/N	N	N	N	N
	Brine-to-water heat pump	Y/N	N	N	N	N
	Low-temperature heat pump	Y/N	N	N	N	N
	Equipped with a supplementary heater	Y/N	N	N	N	N
	Heat pump combination heater	Y/N	N	N	N	N
Air-to-water unit	Rated airflow (outdoor)	[m ³ /h]	3250	3250	4950	4950
Brine/water-to-water heat pump	Rated brine/water flow (outdoor H/E)	[m ³ /h]	-	-	-	-
Other	Capacity control	-	Yes	Yes	Yes	Yes
	P _{off} (Power consumption Off mode)	[kW]	0.015	0.015	0.014	0.014
	P _{to} (Power consumption Thermostat off mode)	[kW]	0.029	0.029	0.029	0.029
	P _{sb} (Power consumption standby mode)	[kW]	0.015	0.015	0.014	0.014
	P _{CK} (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000
	Q _{elec} (Daily electricity consumption)	[kWh]	-	-	-	-
	Q _{fuel} (Daily fuel consumption)	[kWh]	-	-	-	-

Heat pump space heater		Outdoor	AOWD-V4-40	AOWD-V4-60	AOWD-V4-80	AOWD-V4-100
		Indoor	AIWD-V4-60	AIWD-V4-60	AIWD-V4-80	AIWD-V4-80
Part load conditions space heating average climate 55°C						
(A) condition (-7°C)	P_{dh} (declared heating capacity)	[kW]	5.31	5.31	7.01	7.01
	COP_d (declared COP)	-	2.00	2.00	2.02	2.02
	Cdh (declaradation coefficient)	-	0.90	0.90	0.90	0.90
(B) condition (2°C)	P_{dh} (declared heating capacity)	[kW]	3.38	3.38	4.46	4.46
	COP_d (declared COP)	-	3.23	3.23	3.19	3.19
	Cdh (declaradation coefficient)	-	0.90	0.90	0.90	0.90
(C) condition (7°C)	P_{dh} (declared heating capacity)	[kW]	2.31	2.31	2.95	2.95
	COP_d (declared COP)	-	4.60	4.60	4.41	4.41
	Cdh (declaradation coefficient)	-	0.90	0.90	0.90	0.90
(D) condition (12°C)	P_{dh} (declared heating capacity)	[kW]	1.34	1.34	1.38	1.38
	COP_d (declared COP)	-	6.10	6.10	5.11	5.11
	Cdh (declaradation coefficient)	-	0.90	0.90	0.90	0.90
(E) Tol (Temperature Operating Limit)	Tol (Temperature Operating Limit)	[°C]	-10	-10	-10	-10
	P_{dh} (declared heating capacity)	[kW]	4.62	4.62	6.62	6.62
	COP_d (declared COP)	-	1.62	1.62	1.65	1.65
	WTOL(Heating water Operation Limit)	[°C]	60	60	60	60
(F) Tbivalent Temperature	T_{biv}	[°C]	-7	-7	-7	-7
	P_{dh} (declared heating capacity)	[kW]	5.31	5.31	7.01	7.01
	COP_d (declared COP)	-	2.00	2.00	2.02	2.02
Capacity of the back-up heater integrated in the unit	P_{sup} back-up heater (@ Tdesignh: -10°C)	[kW]	-	-	-	-
Supplementary capacity at P_{design}	P_{sup} (@ Tdesignh: -10°C)	[kW]	1.38	1.38	1.28	1.28

Details and precautions on installation, maintenance and assembly can be found in the installation and operation manuals.

(*)Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825.

This data is for comparison of Energy efficiencies according to Energy label directive 2010/30/EU, for correct selection of products for your application, contact your dealer.

Depending on your application and the product selected, an additional supplementary heater may have to be installed.

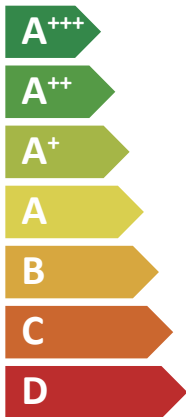
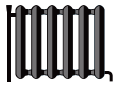


ENERG
енергия · ενέργεια

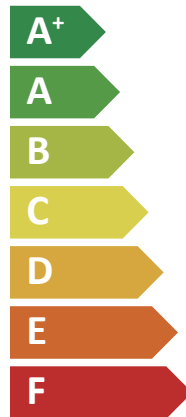
Y IJA
IE IA

daitsu

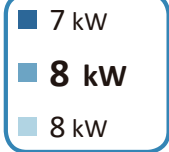
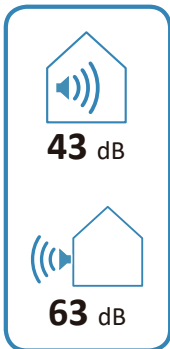
AOWD-V4-80
AIWD-V4-80/200L



A++



A



2019

811/2013

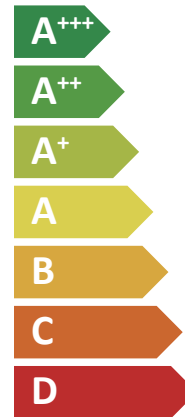
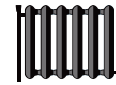


ENERG
енергия · ενέργεια

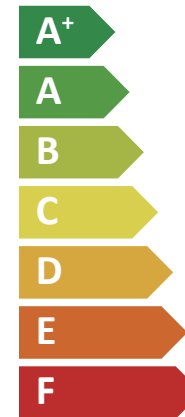
Y IJA
IE IA

daitsu

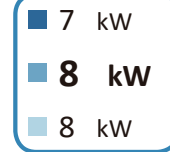
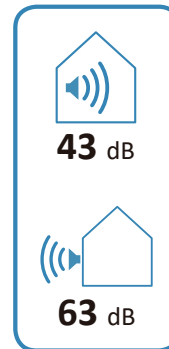
AOWD-V4-80
AIWD-V4-80/300L



A++



A



2019

811/2013

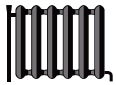


ENERG
енергия · ενέργεια

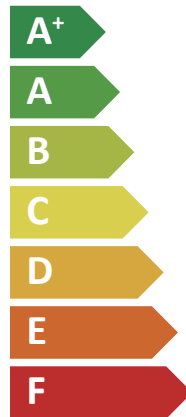
Y IJA
IE IA

daitso

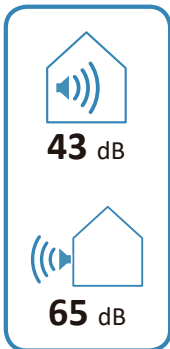
AOWD-V4-100
AIWD-V4-80/200L



A++



A



- 7 kW
- 8 kW
- 8 kW

2019

811/2013

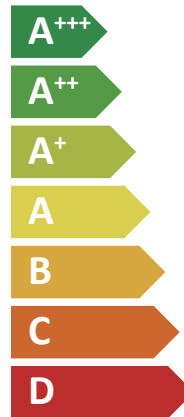


ENERG
енергия · ενέργεια

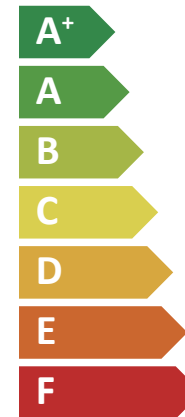
Y IJA
IE IA

daitso

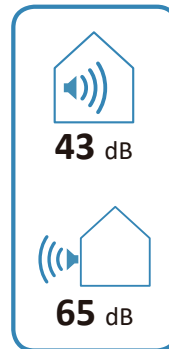
AOWD-V4-100
AIWD-V4-80/300L



A++



A



- 7 kW
- 8 kW
- 8 kW

2019

811/2013

dzitsu

EUROFRED
being efficient

Eurofred S.A.
Marqués de Sentmenat 97
08029 Barcelona
www.eurofred.es