REFRIGERANT
R32

TECHNICAL DATA

TM En

AOWD-SPACE II
AIWD-SPACE II

Serie
AOWD_AIWD SPACE II_VL10

Edition
07/22

Models
AOWD-SPACE II 40_VL10
AOWD-SPACE II 60_VL10
AOWD-SPACE II 80_VL10
AOWD-SPACE II 100_VL10
AOWD-SPACE II 120 (T)_VL10
AOWD-SPACE II 140 (T)_VL10
AOWD-SPACE II 160 (T)_VL10
AIWD-SPACE II 60
AIWD-SPACE II 100
AIWD-SPACE II 160

Model		For low - temperature application											
Outdoor unit	Indoor unit	Energy efficiency class	Indoor unit sound power	Outdoor unit sound power	average climate			colder climate			warmer climate		
					Rated heat output	Seasonal space heating energy efficiency	For space heating,annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annual energy consumption
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AOWD SPACE II 40	AIWD SPACE II 60	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
AOWD SPACE II 60	AIWD SPACE II 60	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
AOWD SPACE II 80	AIWD SPACE II 100	A+++	42	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
AOWD SPACE II 100	AIWD SPACE II 100	A+++	42	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
AOWD SPACE II 120	AIWD SPACE II 160	A+++	43	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
AOWD SPACE II 140	AIWD SPACE II 160	A+++	43	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
AOWD SPACE II 160	AIWD SPACE II 160	A+++	43	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
AOWD SPACE II 120T	AIWD SPACE II 160	A+++	43	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
AOWD SPACE II 140T	AIWD SPACE II 160	A+++	43	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
AOWD SPACE II 160T	AIWD SPACE II 160	A+++	43	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786

Model		For medium - temperature application											
Outdoor unit	Indoor unit	Energy efficiency class	Indoor unit sound power	Outdoor unit sound power	average climate			colder climate			warmer climate		
					Rated heat output	Seasonal space heating energy efficiency	For space heating,annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annual energy consumption
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AOWD SPACE II 40	AIWD SPACE II 60	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614
AOWD SPACE II 60	AIWD SPACE II 60	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634
AOWD SPACE II 80	AIWD SPACE II 100	A++	42	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485
AOWD SPACE II 100	AIWD SPACE II 100	A++	42	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496
AOWD SPACE II 120	AIWD SPACE II 160	A++	43	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174	3776
AOWD SPACE II 140	AIWD SPACE II 160	A++	43	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258
AOWD SPACE II 160	AIWD SPACE II 160	A++	43	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176	4231
AOWD SPACE II 120T	AIWD SPACE II 160	A++	43	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780
AOWD SPACE II 140T	AIWD SPACE II 160	A++	43	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262
AOWD SPACE II 160T	AIWD SPACE II 160	A++	43	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236

Heat pump space heating		Outdoor	AOWD SPACE II 40 VL10	AOWD SPACE II 60 VL10	AOWD SPACE II 80 VL10	AOWD SPACE II 100 VL10	AOWD SPACE II 120 VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
Indoor unit sound power (*)		dB	38a) /38b)	38a) /38b)	42a) /40b)	42a) /40b)	43a) /42b)
Outdoor unit sound power (*)	Average climate low temperature application	dB	56	58	59	60	64
	Average climate medium temperature application	dB	56	58	59	60	64
Capicity of the back-up heater integrated in the unit	Psup back-up heater (optional)	[kW]	3_6_9	3_6_9	3_6_9	3_6_9	3_6_9
Space heating	Energy efficiency class 35°C (Low temp. app.)	-	A+++	A+++	A+++	A+++	A+++
Space heating	Energy efficiency class 55°C (Medium temp. app.)	-	A++	A++	A++	A++	A++
Average climate (Design temperature = –10°C)							
Space heating 35°C	Prated (declared heating capacity) @ –10°C	[kW]	5,5	6,8	8,1	9,2	12
	Seasonal space heating efficiency (ηs)	[%]	191	195	205,6	204,8	189,4
	Annual energy consumption	[kWh]	2.351	2.845	3.218	3.644	5.152
Space heating 55°C	Prated (declared heating capacity) @ –10°C	[kW]	4,4	5,7	6,6	7,7	11,6
	Seasonal space heating efficiency (ηs)	[%]	129,5	137,9	131,5	136,6	135,1
	Annual energy consumption	[kWh]	2.744	3.345	4.056	4.539	6.927
Part load conditions space heating average climate low temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	4,88	6,03	7,18	8,1	10,61
	COPd (declared COP)	-	3,19	3,09	3,35	3,23	2,88
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	3,05	3,88	4,65	5,18	6,69
	COPd (declared COP)	-	4,78	4,85	5,09	5,01	4,65
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1,93	2,39	2,9	3,32	4,44
	COPd (declared COP)	-	6,13	6,63	6,82	7,08	6,62
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1,48	1,39	1,63	1,65	3,74
	COPd (declared COP)	-	8,05	7,93	8,35	8,58	8,47
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	4,41	5,36	6,44	7,4	10,74
	COPd (declared COP)	-	2,86	2,76	3,04	2,96	2,77
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65

Heat pump space heating		Outdoor	AOWD SPACE II 140 VL10	AOWD SPACE II 160 VL10	AOWD SPACE II 120T VL10	AOWD SPACE II 140T VL10	AOWD SPACE II 160T VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
Indoor unit sound power (*)		dB	43a) /44b)	43a) /44b)	43a) /42b)	43a) /44b)	43a) /44b)
Outdoor unit sound power (*)	Average climate low temperature application	dB	65	68	64	65	68
	Average climate medium temperature application	dB	65	68	64	65	68
Capicity of the back-up heater integrated in the unit	Psup back-up heater (optional)	[kW]	3_6_9	3_6_9	3_6_9	3_6_9	3_6_9
Space heating	Energy efficiency class 35°C (Low temp. app.)	-	A+++	A+++	A+++	A+++	A+++
Space heating	Energy efficiency class 55°C (Medium temp. app.)	-	A++	A++	A++	A++	A++
Average climate (Design temperature = –10°C)							
Space heating 35°C	Prated (declared heating capacity) @ –10°C	[kW]	13,7	15,2	12	13,7	15,2
	Seasonal space heating efficiency (ηs)	[%]	185,7	181,7	189,3	185,6	181,6
	Annual energy consumption	[kWh]	6.012	6.804	5.153	6.013	6.805
Space heating 55°C	Prated (declared heating capacity) @ –10°C	[kW]	12,1	13	11,6	12,1	13
	Seasonal space heating efficiency (ηs)	[%]	135,6	133,3	135,1	135,6	133,2
	Annual energy consumption	[kWh]	7.202	7.895	6.928	7.203	7.896
Part load conditions space heating average climate low temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	12,14	13,45	10,61	12,14	13,45
	COPd (declared COP)	-	2,79	2,72	2,88	2,79	2,72
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	7,94	8,56	6,69	7,94	8,56
	COPd (declared COP)	-	4,52	4,41	4,65	4,52	4,41
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	5,2	5,7	4,44	5,2	5,7
	COPd (declared COP)	-	6,68	6,56	6,62	6,68	6,56
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3,75	3,78	3,74	3,75	3,78
	COPd (declared COP)	-	8,52	8,51	8,47	8,52	8,51
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	11,47	12,52	10,74	11,47	12,52
	COPd (declared COP)	-	2,59	2,48	2,77	2,59	2,48
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65

Heat pump space heating		Outdoor	AOWD SPACE II 40 VL10	AOWD SPACE II 60 VL10	AOWD SPACE II 80 VL10	AOWD SPACE II 100 VL10	AOWD SPACE II 120 VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	4,88	6,03	7,18	8,1	10,61
	COPd (declared COP)	-	3,19	3,09	3,35	3,23	2,88
Supplementary capacity at P_design	Psup (@Tdesignh: –10°C)	[kW]	1,11	1,45	1,68	1,76	1,26
Part load conditions space heating average climate medium temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	3,89	5,04	5,84	6,78	10,24
	COPd (declared COP)	-	2,17	2,17	2,16	2,24	2,01
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	2,38	3,12	3,75	4,28	6,52
	COPd (declared COP)	-	3,3	3,51	3,3	3,42	3,44
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	2,94	2,08	2,42	2,77	4,36
	COPd (declared COP)	-	4,41	4,54	4,34	4,52	4,59
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1,32	1,28	1,39	1,58	3,29
	COPd (declared COP)	-	5,66	5,59	5,33	5,68	6,05
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	3,42	4,52	4,9	5,38	9,1
	COPd (declared COP)	-	1,91	1,91	1,84	1,83	1,79
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	3,89	5,04	5,84	6,78	10,24
	COPd (declared COP)	-	2,17	2,17	2,16	2,24	2,01
Supplementary capacity at P_design	Psup (@Tdesignh: –10°C)	[kW]	0,98	1,18	1,69	2,28	2,5
Colder climate (Design temperature = –22°C)							
Space heating 35°C	Prated (declared heating capacity) @ –22°C	[kW]	4,6	5,6	7	7,7	11,4
	Seasonal space heating efficiency (ηs)	[%]	159,5	165,3	170	169,8	160,2
	Annual energy consumption	[kWh]	2.769	3.300	3.976	4.423	6.870

Heat pump space heating		Outdoor	AOWD SPACE II 140_VL10	AOWD SPACE II 160_VL10	AOWD SPACE II 120T_VL10	AOWD SPACE II 140T_VL10	AOWD SPACE II 160T_VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	12,14	13,45	10,61	12,14	13,45
	COPd (declared COP)	-	2,79	2,72	2,88	2,79	2,72
Supplementary capacity at P_design	Psup (@Tdesignh: –10°C)	[kW]	2,23	2,68	1,26	2,23	2,68
Part load conditions space heating average climate medium temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	10,68	11,52	10,24	10,68	11,52
	COPd (declared COP)	-	2,01	1,99	2,01	2,01	1,99
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	6,86	7,18	6,52	6,86	7,18
	COPd (declared COP)	-	3,43	3,34	3,44	3,43	3,34
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	4,63	4,67	4,36	4,63	4,67
	COPd (declared COP)	-	4,66	4,61	4,59	4,66	4,61
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3,31	3,31	3,29	3,31	3,31
	COPd (declared COP)	-	6,13	6,07	6,05	6,13	6,07
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	9,19	10,33	9,1	9,19	10,33
	COPd (declared COP)	-	1,76	1,8	1,79	1,76	1,8
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	10,68	11,52	10,24	10,68	11,52
	COPd (declared COP)	-	2,01	1,99	2,01	2,01	1,99
Supplementary capacity at P_design	Psup (@Tdesignh: –10°C)	[kW]	2,91	2,67	2,5	2,91	2,67
Colder climate (Design temperature = –22°C)							
Space heating 35°C	Prated (declared heating capacity) @ –22°C	[kW]	12,6	13,7	11,4	12,6	13,7
	Seasonal space heating efficiency (ηs)	[%]	159,6	157,8	160,2	159,6	157,8
	Annual energy consumption	[kWh]	7.667	8.431	6.871	7.667	8.431

Heat pump space heating		Outdoor	AOWD SPACE II 40 VL10	AOWD SPACE II 60 VL10	AOWD SPACE II 80 VL10	AOWD SPACE II 100 VL10	AOWD SPACE II 120 VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
Space heating 55°C	Prated (declared heating capacity) @ –22°C	[kW]	3,4	4,3	5,8	6,7	10,3
	Seasonal space heating efficiency (ηs)	[%]	102,1	111,1	112	116,4	117,8
	Annual energy consumption	[kWh]	3.159	3.681	4.950	5.540	8.419
Part load conditions space heating colder climate low temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	2,75	3,42	4,46	4,83	7,05
	COPd (declared COP)	-	3,49	3,59	3,66	3,6	3,48
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	1,77	2,06	2,69	2,94	4,67
	COPd (declared COP)	-	4,95	5,21	5,2	5,26	4,96
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1,17	1,46	1,65	1,92	3,14
	COPd (declared COP)	-	5,53	6,24	6,53	7,08	6,1
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1,43	1,44	1,65	1,65	3,57
	COPd (declared COP)	-	7,67	7,66	7,96	7,96	7,87
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-22	-22	-22	-22	-22
	Pdh (declared heating capacity)	[kW]	2,8	3,48	4,06	4,62	7,01
	COPd (declared COP)	-	1,97	1,96	1,95	1,97	1,98
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-15	-15	-15
	Pdh (declared heating capacity)	[kW]	3,72	4,59	5,69	6,32	9,28
	COPd (declared COP)	-	2,57	2,53	2,83	2,64	2,59
Supplementary capacity at P_design	Psup (@Tdesignh: –22°C)	[kW]	1,76	2,15	2,91	3,08	4,4
Part load conditions space heating colder climate medium temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	2,13	2,7	3,86	4,27	6,63
	COPd (declared COP)	-	2,32	2,46	2,48	2,54	2,63
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9

Heat pump space heating		Outdoor	AOWD SPACE II 140 VL10	AOWD SPACE II 160 VL10	AOWD SPACE II 120T VL10	AOWD SPACE II 140T VL10	AOWD SPACE II 160T VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
Space heating 55°C	Prated (declared heating capacity) @ –22°C	[kW]	11	11,8	10,3	11	11,8
	Seasonal space heating efficiency (ηs)	[%]	118,9	121,8	117,7	118,9	121,8
	Annual energy consumption	[kWh]	8.866	9.309	8.420	8.867	9.310
Part load conditions space heating colder climate low temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	7,96	8,31	7,05	7,96	8,31
	COPd (declared COP)	-	3,44	3,37	3,48	3,44	3,37
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	5,05	5,26	4,67	5,05	5,26
	COPd (declared COP)	-	4,92	4,86	4,96	4,92	4,86
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3,15	3,62	3,14	3,15	3,62
	COPd (declared COP)	-	6,11	6,49	6,1	6,11	6,49
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3,57	3,34	3,57	3,57	3,34
	COPd (declared COP)	-	7,82	7,4	7,87	7,82	7,4
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-22	-22	-22	-22	-22
	Pdh (declared heating capacity)	[kW]	7,57	8,88	7,01	7,57	8,88
	COPd (declared COP)	-	1,92	1,97	1,98	1,92	1,97
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-15	-15	-15
	Pdh (declared heating capacity)	[kW]	10,31	11,22	9,28	10,31	11,22
	COPd (declared COP)	-	2,53	2,43	2,59	2,53	2,43
Supplementary capacity at P_design	Psup (@Tdesignh: –22°C)	[kW]	5,03	4,82	4,4	5,03	4,82
Part load conditions space heating colder climate medium temperature application							
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	6,89	7,64	6,63	6,89	7,64
	COPd (declared COP)	-	2,66	2,65	2,63	2,66	2,65
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9

Heat pump space heating		Outdoor	AOWD SPACE II 40 VL10	AOWD SPACE II 60 VL10	AOWD SPACE II 80 VL10	AOWD SPACE II 100 VL10	AOWD SPACE II 120 VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	1,28	1,6	2,21	2,57	4,06
	COPd (declared COP)	-	2,99	3,36	3,35	3,51	3,6
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1,01	1,02	1,44	1,65	2,78
	COPd (declared COP)	-	3,86	3,94	4,11	4,37	4,54
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1,36	1,37	1,46	1,47	3,33
	COPd (declared COP)	-	6,28	6,35	5,92	5,96	6,25
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-22	-22	-22	-22	-22
	Pdh (declared heating capacity)	[kW]	1,64	2,09	2,8	2,8	4,19
	COPd (declared COP)	-	1,02	1,13	1,22	1,22	1,13
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-15	-15	-15
	Pdh (declared heating capacity)	[kW]	2,74	3,47	4,71	5,47	8,41
	COPd (declared COP)	-	1,74	1,86	1,9	2	1,84
Supplementary capacity at P_design	Psup (@Tdesignh: –22°C)	[kW]	1,72	2,17	2,97	3,91	6,12
Warmer climate (Design temperature = 2°C)							
Space heating 35°C	Prated (declared heating capacity) @ 2°C	[kW]	5,5	6,1	8,1	8,6	11,1
	Seasonal space heating efficiency (ηs)	[%]	255,4	259,8	276,6	280,5	256,1
	Annual energy consumption	[kWh]	1.146	1.244	1.551	1.617	2.292
Space heating 55°C	Prated (declared heating capacity) @ 2°C	[kW]	5	5,1	8,37	8,6	12,5
	Seasonal space heating efficiency (ηs)	[%]	162,4	164,7	176,9	180,3	174
	Annual energy consumption	[kWh]	1.621	1.640	2.485	2.516	3.776
Part load conditions space heating warmer climate low temperature application							
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	5,34	5,93	7,56	8,44	11,1
	COPd (declared COP)	-	3,94	3,91	3,98	3,84	3,59
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3,56	3,93	5,22	5,52	7,14
	COPd (declared COP)	-	5,92	5,89	6,26	6,18	5,87
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9

Heat pump space heating		Outdoor	AOWD SPACE II 140_VL10	AOWD SPACE II 160_VL10	AOWD SPACE II 120T_VL10	AOWD SPACE II 140T_VL10	AOWD SPACE II 160T_VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4,32	4,42	4,06	4,32	4,42
	COPd (declared COP)	-	3,66	3,79	3,6	3,66	3,79
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3,06	2,97	2,78	3,06	2,97
	COPd (declared COP)	-	4,72	4,81	4,54	4,72	4,81
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3,33	3,43	3,33	3,33	3,43
	COPd (declared COP)	-	6,25	6,29	6,25	6,25	6,29
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-22	-22	-22	-22	-22
	Pdh (declared heating capacity)	[kW]	4,2	5,21	4,19	4,2	5,21
	COPd (declared COP)	-	1,13	1,23	1,13	1,13	1,23
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-15	-15	-15
	Pdh (declared heating capacity)	[kW]	8,94	9,61	8,41	8,94	9,61
	COPd (declared COP)	-	1,79	1,86	1,84	1,79	1,86
Supplementary capacity at P_design	Psup (@Tdesignh: –22°C)	[kW]	6,76	6,59	6,12	6,76	6,59
Warmer climate (Design temperature = 2°C)							
Space heating 35°C	Prated (declared heating capacity) @ 2°C	[kW]	12,1	13,1	11,1	12,1	13,1
	Seasonal space heating efficiency (ηs)	[%]	260,3	248,5	255,6	259,8	248,1
	Annual energy consumption	[kWh]	2.457	2.781	2.296	2.462	2.786
Space heating 55°C	Prated (declared heating capacity) @ 2°C	[kW]	14,17	14,17	12,5	14,17	14,17
	Seasonal space heating efficiency (ηs)	[%]	174,9	176	173,8	174,7	175,8
	Annual energy consumption	[kWh]	4.258	4.231	3.780	4.231	4.236
Part load conditions space heating warmer climate low temperature application							
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	12,04	13,1	11,1	12,04	13,1
	COPd (declared COP)	-	3,44	3,35	3,59	3,44	3,35
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	7,78	8,41	7,14	7,78	8,41
	COPd (declared COP)	-	5,84	5,36	5,87	5,84	5,36
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9

Heat pump space heating		Outdoor	AOWD SPACE II 40 VL10	AOWD SPACE II 60 VL10	AOWD SPACE II 80 VL10	AOWD SPACE II 100 VL10	AOWD SPACE II 120 VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1,63	1,79	2,62	2,62	3,55
	COPd (declared COP)	-	7,91	8,2	9,23	9,04	7,94
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2	2	2
	Pdh (declared heating capacity)	[kW]	5,34	5,93	7,56	8,44	11,1
	COPd (declared COP)	-	3,94	3,91	3,98	3,84	3,59
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7	7	7
	Pdh (declared heating capacity)	[kW]	3,56	3,93	5,22	5,52	7,14
	COPd (declared COP)	-	5,92	5,89	6,26	6,18	5,87
Supplementary capacity at P_design	Psup (@Tdesignh: 2°C)	[kW]	0,18	0,18	0,55	0,14	0
Part load conditions space heating warmer climate medium temperature application							
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4,83	5,02	7,55	8,06	12,07
	COPd (declared COP)	-	2,51	2,48	2,59	2,59	2,31
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3,22	3,31	5,38	5,54	8,04
	COPd (declared COP)	-	3,68	3,67	4,01	4,1	3,86
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1,47	1,59	2,31	2,53	3,75
	COPd (declared COP)	-	5,15	5,29	5,55	5,82	5,7
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2	2	2
	Pdh (declared heating capacity)	[kW]	4,83	5,02	7,55	8,06	12,07
	COPd (declared COP)	-	2,51	2,48	2,59	2,59	2,31
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7	7	7
	Pdh (declared heating capacity)	[kW]	3,22	3,31	5,38	5,54	8,04
	COPd (declared COP)	-	3,68	3,67	4,01	4,1	3,86
Supplementary capacity at P_design	Psup (@Tdesignh: 2°C)	[kW]	0,18	0,12	0,82	0,48	0,43

Heat pump space heating		Outdoor	AOWD SPACE II 140_VL10	AOWD SPACE II 160_VL10	AOWD SPACE II 120T_VL10	AOWD SPACE II 140T_VL10	AOWD SPACE II 160T_VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3,75	3,87	3,55	3,75	3,87
	COPd (declared COP)	-	8,25	8,11	7,94	8,25	8,11
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2	2	2
	Pdh (declared heating capacity)	[kW]	12,04	13,1	11,1	12,04	13,1
	COPd (declared COP)	-	3,44	3,35	3,59	3,44	3,35
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7	7	7
	Pdh (declared heating capacity)	[kW]	7,78	8,41	7,14	7,78	8,41
	COPd (declared COP)	-	5,84	5,36	5,87	5,84	5,36
Supplementary capacity at P_design	Psup (@Tdesignh: 2°C)	[kW]	0	0	0	0	0
Part load conditions space heating warmer climate medium temperature application							
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	13,04	13,38	12,07	13,04	13,38
	COPd (declared COP)	-	2,2	2,29	2,31	2,2	2,29
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	9,11	9,11	8,04	9,11	9,11
	COPd (declared COP)	-	3,89	3,89	3,86	3,89	3,89
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	4,08	4,06	3,75	4,08	4,06
	COPd (declared COP)	-	5,9	5,86	5,7	5,9	5,86
	Cdh(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2	2	2
	Pdh (declared heating capacity)	[kW]	13,04	13,38	12,07	13,04	13,38
	COPd (declared COP)	-	2,2	2,29	2,31	2,2	2,29
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7	7	7
	Pdh (declared heating capacity)	[kW]	9,11	9,11	8,04	9,11	9,11
	COPd (declared COP)	-	3,89	3,89	3,86	3,89	3,89
Supplementary capacity at P_design	Psup (@Tdesignh: 2°C)	[kW]	1,13	0,79	0,43	1,13	0,79

Heat pump space heating		Outdoor	AOWD SPACE II 40_VL10	AOWD SPACE II 60_VL10	AOWD SPACE II 80_VL10	AOWD SPACE II 100_VL10	AOWD SPACE II 120_VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
Product description	Air-to-water heat pump	Y/N	Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump	Y/N	No	No	No	No	No
	Brine-to-water heat pump	Y/N	No	No	No	No	No
	Low-temperature heat pump	Y/N	No	No	No	No	No
	Equipped with a supplementary heater	Y/N	Yes	Yes	Yes	Yes	Yes
	Heat pump combination heater	Y/N	Yes	Yes	Yes	Yes	Yes
Air to water unit	Rated airflow (outdoor)	[m^3/h]	2770	2770	4030	4030	4060
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0,014	0,014	0,014	0,014	0,014
	Pto (Power consumption Thermostat off mode)	[kW]	0,024	0,024	0,024	0,024	0,024
	Psb (Power consumption Standby mode)	[kW]	0,014	0,014	0,014	0,014	0,014
	Pck (Power crankcase heater mode)	[kW]	0	0	0	0	0
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Note：

Indoor unit type explanation:

Hydraulic module series

AIWD SPACE II 60： without back-up heater.

AIWD SPACE II 100： without back-up heater.

AIWD SPACE II 160： without back-up heater.

*Sound power measured according to the EN12102 under conditions of the EN14825.

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

Heat pump space heating		Outdoor	AOWD SPACE II 140_VL10	AOWD SPACE II 160_VL10	AOWD SPACE II 120T_VL10	AOWD SPACE II 140T_VL10	AOWD SPACE II 160T_VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
Product description	Air-to-water heat pump	Y/N	Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump	Y/N	No	No	No	No	No
	Brine-to-water heat pump	Y/N	No	No	No	No	No
	Low-temperature heat pump	Y/N	No	No	No	No	No
	Equipped with a supplementary heater	Y/N	Yes	Yes	Yes	Yes	Yes
	Heat pump combination heater	Y/N	Yes	Yes	Yes	Yes	Yes
Air to water unit	Rated airflow (outdoor)	[m^3/h]	4060	4650	4060	4060	4650
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0,014	0,014	0,02	0,02	0,02
	Pto (Power consumption Thermostat off mode)	[kW]	0,024	0,024	0,03	0,03	0,03
	Psb (Power consumption Standby mode)	[kW]	0,014	0,014	0,02	0,02	0,02
	Pck (Power crankcase heater mode)	[kW]	0	0	0	0	0
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Note：

Indoor unit type explanation:

Hydraulic module series

AIWD SPACE II 60： without back-up heater.

AIWD SPACE II 100： without back-up heater.

AIWD SPACE II 160： without back-up heater.

*Sound power measured according to the EN12102 under conditions of the EN14825.

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

Heat pump space cooling		Outdoor	AOWD SPACE II 40_VL10	AOWD SPACE II 60_VL10	AOWD SPACE II 80_VL10	AOWD SPACE II 100_VL10	AOWD SPACE II 120_VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
Indoor unit sound power (*)		dB	38	40	42	42	43
Outdoor unit sound power (*)	Average climate low temperature application	dB	56	58	60	61	65
	Average climate medium temperature application	dB	55	58	60	60	64
Space cooling 7°C	Prated (declared cooling capacity) @ 35°C	[kW]	4,7	7	7,4	8,2	11,6
	Seasonal space cooling efficiency (ηs)	[%]	196	209,5	230,1	235,3	194,2
	Annual energy consumption	[kWh]	566	791	762	826	1.412
Space cooling 18°C	Prated (declared cooling capacity) @ 35°C	[kW]	4,5	6,55	8,4	10	12
	Seasonal space cooling efficiency (ηs)	[%]	307,7	326,8	354,9	348,8	282,4
	Annual energy consumption	[kWh]	348	477	563	682	1.009
Part load conditions space cooling: ： low temperature application@7°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	4,7	7	7,4	8,2	11,6
	EERd (declared EER)	-	3,45	3	3,38	3,3	2,75
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	3,66	5,13	5,72	6,68	8,76
	EERd (declared EER)	-	4,76	4	4,71	4,47	3,93
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	2,21	3,48	3,62	4,26	5,81
	EERd (declared EER)	-	5,72	6,45	6,65	7,02	5,73
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	0,94	1,53	1,64	1,94	2,63
	EERd (declared EER)	-	5,72	7,73	8,55	9,54	6,75
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9

Heat pump space cooling		Outdoor	AOWD SPACE II 140_VL10	AOWD SPACE II 160_VL10	AOWD SPACE II 120T_VL10	AOWD SPACE II 140T_VL10	AOWD SPACE II 160T_VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
Indoor unit sound power (*)		dB	44	44	43	44	44
Outdoor unit sound power (*)	Average climate low temperature application	dB	65	68	65	65	68
	Average climate medium temperature application	dB	64	67	64	64	67
Space cooling 7°C	Prated (declared cooling capacity) @ 35°C	[kW]	12,7	14	11,6	12,7	14
	Seasonal space cooling efficiency (ηs)	[%]	192,4	184,1	193	191,4	183,3
	Annual energy consumption	[kWh]	1.560	1.796	1.420	1.568	1.804
Space cooling 18°C	Prated (declared cooling capacity) @ 35°C	[kW]	13,5	14,2	12	13,5	14,2
	Seasonal space cooling efficiency (ηs)	[%]	274,4	266,8	280,1	272,5	265
	Annual energy consumption	[kWh]	1.168	1.263	1.017	1.176	1.271
Part load conditions space cooling: ： low temperature application@7°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	12,7	14	11,6	12,7	14
	EERd (declared EER)	-	2,55	2,45	2,75	2,55	2,45
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	9,41	10,68	8,76	9,41	10,68
	EERd (declared EER)	-	3,85	3,63	3,93	3,85	3,63
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	6,16	6,76	5,81	6,16	6,76
	EERd (declared EER)	-	5,8	5,27	5,73	5,8	5,27
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	2,63	3,41	2,63	2,63	3,41
	EERd (declared EER)	-	6,74	7,29	6,75	6,74	7,29
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9

Heat pump space cooling		Outdoor	AOWD SPACE II 40_VL10	AOWD SPACE II 60_VL10	AOWD SPACE II 80_VL10	AOWD SPACE II 100_VL10	AOWD SPACE II 120_VL10
		Indoor	AIWD SPACE II 60	AIWD SPACE II 60	AIWD SPACE II 100	AIWD SPACE II 100	AIWD SPACE II 160
Part load conditions space cooling: medium temperature application@18°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	4,5	6,55	8,4	10	12
	EERd (declared EER)	-	5,55	4,9	5,05	4,8	4
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	3,44	4,84	6,47	7,71	9,21
	EERd (declared EER)	-	7,23	7,16	7,02	6,45	5,5
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	2,19	3,26	4,31	5,03	5,74
	EERd (declared EER)	-	8,94	9,64	10,67	10,36	8,66
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	1,13	1,41	1,8	2,32	3,33
	EERd (declared EER)	-	10,48	11,48	13,61	14,98	10,07
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
Air to water unit	Rated airflow (outdoor)	[m^3/h]	2770	2770	4030	4030	4060
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0,014	0,014	0,014	0,014	0,014
	Pto (Power consumption Thermostat off mode)	[kW]	0,01	0,01	0,01	0,01	0,01
	Psb (Power consumption Standby mode)	[kW]	0,014	0,014	0,014	0,014	0,014
	Pck (Power crankcase heater mode)	[kW]	0	0	0	0	0
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Heat pump space cooling		Outdoor	AOWD SPACE II 140_VL10	AOWD SPACE II 160_VL10	AOWD SPACE II 120T_VL10	AOWD SPACE II 140T_VL10	AOWD SPACE II 160T_VL10
		Indoor	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160	AIWD SPACE II 160
Part load conditions space cooling：medium temperature application@18°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	13,5	14,2	12	13,5	14,2
	EERd (declared EER)	-	3,61	3,61	4	3,61	3,61
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	10,2	11,42	9,21	10,2	11,42
	EERd (declared EER)	-	5,26	5,14	5,5	5,26	5,14
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	6,57	7,27	5,74	6,57	7,27
	EERd (declared EER)	-	8,45	7,83	8,66	8,45	7,83
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	3,33	3,4	3,33	3,33	3,4
	EERd (declared EER)	-	10,07	10,35	10,07	10,07	10,35
	Cdc(degradation coefficient)	-	0,9	0,9	0,9	0,9	0,9
Air to water unit	Rated airflow (outdoor)	[m^3/h]	4060	4650	4060	4060	4650
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0,014	0,014	0,02	0,02	0,02
	Pto (Power consumption Thermostat off mode)	[kW]	0,01	0,01	0,01	0,01	0,01
	Psb (Power consumption Standby mode)	[kW]	0,014	0,014	0,02	0,02	0,02
	Pck (Power crankcase heater mode)	[kW]	0	0	0	0	0
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Outdoor unit	Indoor unit	Ambient Temperature: 35/24 Water temperature: 23/18			Ambient Temperature: 35/24 Water temperature: 12/7			Ambient Temperature: 7/6 Water temperature: 30/35			Ambient Temperature: 2/1 Water temperature: 30/35		
		Capacity kW	Power input kW	EER	Capacity kW	Power input kW	EER	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AOWD SPACE II 40_VL10	AIWD SPACE II 60	4,5	0,81	5,55	4,7	1,36	3,45	4,25	0,82	5,2	4,45	1,1	4,05
AOWD SPACE II 60_VL10	AIWD SPACE II 60	6,55	1,34	4,9	7	2,33	3	6,2	1,24	5	5,5	1,39	3,95
AOWD SPACE II 80_VL10	AIWD SPACE II 100	8,4	1,66	5,05	7,4	2,19	3,38	8,3	1,6	5,2	7,1	1,73	4,1
AOWD SPACE II 100_VL10	AIWD SPACE II 100	10	2,08	4,8	8,2	2,48	3,3	10	2	5	8,2	2,02	4,05
AOWD SPACE II 120_VL10	AIWD SPACE II 160	12	3	4	11,6	4,22	2,75	12,1	2,44	4,95	9,3	2,35	3,95
AOWD SPACE II 120T_VL10	AIWD SPACE II 160	12	3	4	11,6	4,22	2,75	12,1	2,44	4,95	9,3	2,35	3,95
AOWD SPACE II 140_VL10	AIWD SPACE II 160	13,5	3,74	3,61	12,7	4,98	2,55	14,5	3,09	4,7	11,4	3,12	3,65
AOWD SPACE II 140T_VL10	AIWD SPACE II 160	13,5	3,74	3,61	12,7	4,98	2,55	14,5	3,09	4,7	11,4	3,12	3,65
AOWD SPACE II 160_VL10	AIWD SPACE II 160	14,2	3,94	3,61	14	5,71	2,45	16	3,56	4,5	13	3,71	3,5
AOWD SPACE II 160T_VL10	AIWD SPACE II 160	14,2	3,94	3,61	14	5,71	2,45	16	3,56	4,5	13	3,71	3,5

Outdoor unit	Indoor unit	Ambient Temperature: -7/-8 Water temperature: 30/35			Ambient Temperature: 7/6 Water temperature: 40/45			Ambient Temperature: 2/1 Water temperature: 40/45			Ambient Temperature: -7/-8 Water temperature: 40/45		
		Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AOWD SPACE II 40_VL10	AIWD SPACE II 60	4,8	1,52	3,15	4,35	1,14	3,8	5,1	1,7	3	4,3	1,83	2,35
AOWD SPACE II 60_VL10	AIWD SPACE II 60	6,1	2	3,05	6,35	1,69	3,75	5,8	1,93	3	5,4	2,25	2,4
AOWD SPACE II 80_VL10	AIWD SPACE II 100	7,1	2,18	3,25	8,2	2,08	3,95	7,4	2,28	3,25	6,6	2,59	2,55
AOWD SPACE II 100_VL10	AIWD SPACE II 100	8,25	2,62	3,15	10	2,63	3,8	7,85	2,45	3,2	7,35	2,88	2,55
AOWD SPACE II 120_VL10	AIWD SPACE II 160	10	3,33	3	12,3	3,24	3,8	10,7	3,57	3	10,2	4,25	2,4
AOWD SPACE II 120T_VL10	AIWD SPACE II 160	10	3,33	3	12,3	3,24	3,8	10,7	3,57	3	10,2	4,25	2,4
AOWD SPACE II 140_VL10	AIWD SPACE II 160	12	4,29	2,8	14,2	3,89	3,65	11,7	4,09	2,86	11,8	5,02	2,35
AOWD SPACE II 140T_VL10	AIWD SPACE II 160	12	4,29	2,8	14,2	3,89	3,65	11,7	4,09	2,86	11,8	5,02	2,35
AOWD SPACE II 160_VL10	AIWD SPACE II 160	13,3	4,93	2,7	16	4,44	3,6	12,8	4,49	2,85	12,9	5,78	2,23
AOWD SPACE II 160T_VL10	AIWD SPACE II 160	13,3	4,93	2,7	16	4,44	3,6	12,8	4,49	2,85	12,9	5,78	2,23

Outdoor unit	Indoor unit	Ambient Temperature：7/6 Water temperature：47/55			Ambient Temperature：2/1 Water temperature：47/55			Ambient Temperature：-7/-8 Water temperature：47/55		
		Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AOWD SPACE II 40_VL10	AIWD SPACE II 60	4,4	1,49	2,95	5,1	2,08	2,45	4	2,05	1,95
AOWD SPACE II 60_VL10	AIWD SPACE II 60	6	2	3	5,65	2,31	2,45	5,15	2,58	2
AOWD SPACE II 80_VL10	AIWD SPACE II 100	7,5	2,36	3,18	7,1	2,73	2,6	6,15	3	2,05
AOWD SPACE II 100_VL10	AIWD SPACE II 100	9,5	3,06	3,1	8,1	3,16	2,56	6,85	3,43	2
AOWD SPACE II 120_VL10	AIWD SPACE II 160	12	3,87	3,1	11,4	4,47	2,55	10	4,88	2,05
AOWD SPACE II 120T_VL10	AIWD SPACE II 160	12	3,87	3,1	11,4	4,47	2,55	10	4,88	2,05
AOWD SPACE II 140_VL10	AIWD SPACE II 160	13,8	4,6	3	12,4	5,06	2,45	11	5,37	2,05
AOWD SPACE II 140T_VL10	AIWD SPACE II 160	13,8	4,6	3	12,4	5,06	2,45	11	5,37	2,05
AOWD SPACE II 160_VL10	AIWD SPACE II 160	16	5,52	2,9	13,4	5,58	2,4	12,5	6,19	2,02
AOWD SPACE II 160T_VL10	AIWD SPACE II 160	16	5,52	2,9	13,4	5,58	2,4	12,5	6,19	2,02

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