

- + R32 fluid environmentally friendly.
- + Energy class A++ (in cooling mode) and A+ (in heating mode).
- + Solution appropriate for low temperature rooms (Wine Cellar....).
- + Design with its indoor unit that blends in with any interior style.



RCW25

Included with product























Wired controller RCW25 (provided) :

- Cooling mode, dehumidification.
- Temperature range 12°C from 28°C.
- Fan speed regulation (3 speeds) .
- Timer.
- Key locks to prevent mishandling.

Technical Data

Indoor unit		AW-FWDB018-N91	AW-FWDB024-N91
Outdoor unit		AW-YMDB018-H91	AW-YMDB024-H91
Phase		Monophasé	Monophasé
Cooling			
Rated power (min./max.)	kW	5,3 (2,0-5,6)	7,0 (2,9-8,0)
Pdesignc	kW	5,3	7
Rated power input	kW	1,495	2,093
SEER/Energy label		6,1/A++	6,1/A++
Operating limits	°C	-15°/50° Bulbe sec	
Indoor unit			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/42/47	36/42/47
Sound power level	dB(A)	52	52
Airflow (LS/MS/HS)	m³/h	900/1050/1200	900/1050/1200
Dehumidification	l/h	1,8	2,4
Outline dimensions (WxHxD)	mm	1050×675×235	1050×675×235
Package dimensions (WxHxD)	mm	1130×765×330	1130×765×330
Net weight/Gross weight	kg	26.5/31	26.5/31
Part number		7SP012290	7SP012291
Outdoor unit			
Sound pressure level to 1 m	dB(A)	52	54
Sound power level	dB(A)	66	68
Airflow	m³/h	1950	3200
Compressor type		Single Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	880×555x345	935×702x382
Package dimensions (WxHxD)	mm	920×600×380	975×770x435
Net weight/Gross weight	kg	32.5/35	48.7/52.6
Part number		7SP063114	7SP063115
Power supply			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Outdoor	Outdoor
Power cable section	mm²	3×2.5	3×2.5
Fuse rating am (D curve)	A	16	18
Electrical connections	mm²	4×1.5	4×1.5
Pipe line			
Suction pipe diameter	pouces	1/2"	5/8"
Liquid pipe diameter	pouces	1/4"	3/8"
Max. length	m	15	20
Max. height	m	8	10
Refrigerant/GWP			
Charge	kg	1,2	1,45
Additional charge	g/m	12	24

Technical characteristics

Désignation	icone	AW-FWDB018-N91 AW-YMDB018-H91	AW-FWDB024-N91 AW-YMDB024-H91
Echangeurs	Bluefin	✓	✓
Turbo mode		✓	✓
Programmerable timer		✓	✓
timer ON/OFF		✓	✓
Low battery indication		✓	✓
Remote control lock		✓	✓
auto restart		✓	✓
Auto Fan mode		✓	✓
Digital Display		✓	✓
Self Diagnostic LED		✓	✓
Self Diagnostic Digital		✓	✓
Technician test mode		✓	✓
Alarm output		✓	✓
EEV		✓	✓
1W standby		✓	✓
wired controller		✓	✓
Dry contact		✓	✓
3D air flow (4 way air flow)		✓	✓
Left/Right drain connection		✓	✓
	Filtre	✓	✓
Drainage pump		option	option

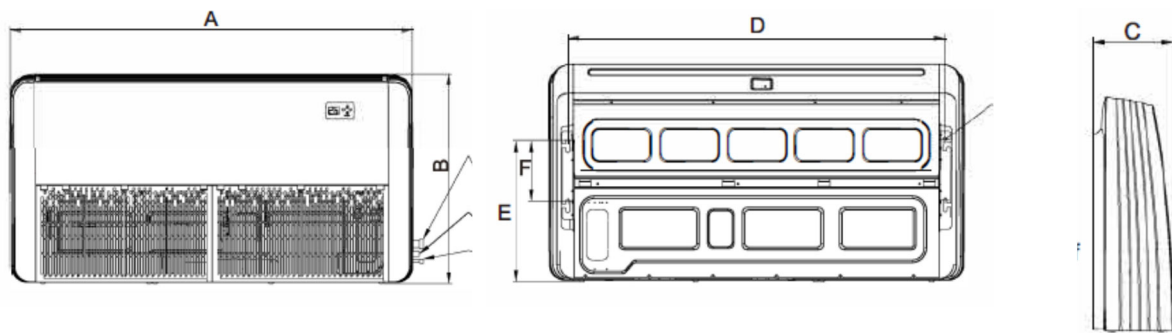
Floor Ceiling low temperature

FWDB

Dimensions

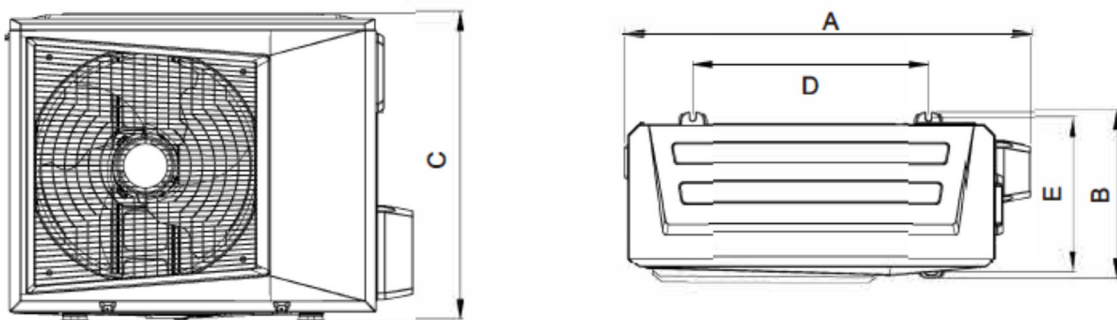
Indoor unit

Model	Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
AW-FWDB018-N91	7SP012290	1050	675	235	933	440	188
AW-FWDB024-N91	7SP012291	1050	675	235	933	440	188



Outdoor unit

Model	Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
AW-YMDB018-N91	7SP063114	880	345	555	508	314
AW-YMDB024-N91	7SP063115	935	382	702	544	353



Capacity table

(All measurements were used with the wired remote control)

Model		AW-FWDB018-N91						
COOLING		Outdoor temperature						
Indoor temperature		21°C	25°C	30°C	35°C	40°C	45°C	49°C
12°C D	Total capacity kW	4,48	4,45	4,42	4,39	4,37	4,35	4,32
10°C W	Input kW.	1,11	1,12	1,14	1,17	1,18	1,2	1,24
13°C D	Total capacity kW	4,63	4,59	4,55	4,5	4,47	4,44	4,41
11°C W	Input kW.	1,15	1,16	1,18	1,2	1,22	1,25	1,26
14°C D	Total capacity kW	4,78	4,75	4,72	4,68	4,65	4,61	4,57
11.5°C W	Input kW.	1,22	1,24	1,25	1,27	1,3	1,32	1,35
15°C D	Total capacity kW	4,89	4,86	4,81	4,76	4,72	4,67	4,62
12°C W	Input kW.	1,26	1,27	1,28	1,3	1,33	1,35	1,38
16°C D	Total capacity kW	4,99	4,95	4,92	4,88	4,83	4,81	4,77
12.7°C W	Input kW.	1,28	1,29	1,3	1,32	1,36	1,4	1,43
17°C D	Total capacity kW	5,1	5,06	5,02	4,98	4,94	4,91	4,88
13°C W	Input kW.	1,3	1,32	1,33	1,35	1,4	1,43	1,47
18°C D	Total capacity kW	5,15	5,12	5,08	5,05	5	4,97	4,94
14°C W	Input kW.	1,32	1,34	1,36	1,38	1,42	1,48	1,51
21°C D	Total capacity Kw	5,38	5,35	5,31	5,27	5,23	5,19	5,16
15°C W	Input kW.	1,36	1,37	1,39	1,41	1,46	1,52	1,56
24°C D	Total capacity kW	5,55	5,52	5,47	5,44	5,39	5,35	5,31
17°C W	Input kW.	1,38	1,39	1,41	1,43	1,49	1,54	1,58
27°C D	Total capacity kW	5,72	5,68	5,64	5,6	5,56	5,52	5,47
19°C W	Input kW.	1,4	1,41	1,43	1,45	1,51	1,56	1,6
29°C D	Total capacity kW	5,79	5,75	5,71	5,66	5,62	5,58	5,54
21°C W	Input kW.	1,42	1,44	1,46	1,48	1,53	1,58	1,63
32°C D	Total capacity kW	5,9	5,86	5,82	5,78	5,73	5,68	5,64
23°C W	Input kW.	1,43	1,44	1,46	1,48	1,54	1,59	1,65

Floor Ceiling low temperature

FWDB

Capacity table

(All measurements were used with the wired remote control)





Model		AW-FWDB024-N91						
COOLING		Outdoor temperature						
Indoor temperature		21°C	25°C	30°C	35°C	40°C	45°C	49°C
12°C D	Total capacity kW	6,29	6,24	6,2	6,15	6,11	6,06	6,01
10°C W	Input kW.	1,69	1,71	1,72	1,75	1,79	1,84	1,9
13°C D	Total capacity kW	6,43	6,38	6,33	6,27	6,22	6,17	6,12
11°C W	Input kW.	1,73	1,74	1,75	1,79	1,82	1,86	1,93
14°C D	Total capacity kW	6,59	6,53	6,49	6,45	6,41	6,37	6,33
11.5°C W	Input kW.	1,75	1,77	1,8	1,83	1,87	1,92	1,98
15°C D	Total capacity kW	6,77	6,72	6,57	6,52	6,5	6,43	6,4
12°C W	Input kW.	1,77	1,79	1,83	1,88	1,92	1,97	2,03
16°C D	Total capacity kW	6,87	6,82	6,76	6,7	6,65	6,58	6,54
12.7°C W	Input kW.	1,85	1,86	1,89	1,94	1,99	2,04	2,09
17°C D	Total capacity kW	6,99	6,93	6,87	6,8	6,76	6,71	6,66
13°C W	Input kW.	1,9	1,91	1,93	1,96	2,03	2,08	2,13
18°C D	Total capacity kW	7,05	6,99	6,94	6,87	6,81	6,75	6,72
14°C W	Input kW.	1,93	1,95	1,97	2,01	2,08	2,15	2,2
21°C D	Total capacity Kw	7,21	7,17	7,11	7,06	7,01	6,96	6,9
15°C W	Input kW.	1,97	1,98	2	2,03	2,1	2,18	2,23
24°C D	Total capacity kW	7,44	7,4	7,35	7,28	7,23	7,17	7,13
17°C W	Input kW.	1,98	2	2,03	2,05	2,13	2,2	2,26
27°C D	Total capacity kW	7,66	7,62	7,56	7,4	7,34	7,29	7,23
19°C W	Input kW.	2,01	2,03	2,05	2,08	2,16	2,23	2,3
29°C D	Total capacity kW	7,76	7,71	7,65	7,6	7,54	7,47	7,43
21°C W	Input kW.	2,04	2,06	2,09	2,12	2,19	2,26	2,34
32°C D	Total capacity kW	7,91	7,85	7,8	7,74	7,67	7,62	7,57
23°C W	Input kW.	2,05	2,07	2,1	2,12	2,2	2,27	2,35


Nameplate

Airwell Model (Modèle): **AW-FWDB018-N91**

Prod. No (Référence)	: 7SP012290	Cos φ	: 0.92
Cooling (Puissance froid)	: See outdoor unit (voir groupe ext é rieur)	PS	: 4.5MPa
Heating (Puissance chaud)	: See outdoor unit (voir groupe ext é rieur)	Dehumidification (Déshumidification)	: 1.8l/h
Power supply (Alim. électrique)	: 1P/220-240V/50Hz	R32	:
Fuse (Fusible)	:	Net weight (Poids net)	: 26.5 kg
IP Class	: X0		
Temp. class (Classe climat)	: T1		
Prated (P. absorbée max)	: See outdoor unit (voir groupe ext é rieur)		

Airwell - 10, rue du Fort de Sant Cyr-78180 Montigny Le Bretonneux








4C03100001

Airwell Model (Modèle): **AW-YMDB018-H91**

Prod. N° (Référence)	: 7SP063114	Cos φ	: 0.92
Cooling (Puissance froid)	: 2000-5600W	Pi/Po	: 4.5/4.5MPa
Heating (Puissance chaud)	: 2200-5800W	Ps/Pd	: 1.6/4.5MPa
Power supply (Alim. électrique)	: 1P/220-240V/50Hz	Sound power (Puissance sonore)	: 66dB(A)
Fuse (Fusible)	: 16A (aM)	Net weight (Poids net)	: 32.5kg
IP Class	: 24	R32	: 1200g
Temp. class (Classe climat)	: T1	AddR32 (AjoutR32)	: 0< L<30m 12g/m
Prated (P. absorbée max)	: 3680W		
Pe (P. absorbée)	: 1495W		

Contains fluorinated greenhouse gases covered by the Kyoto Protocol. (Contient des gaz à effet de serre fluorés relevant du protocole de Kyoto.)
Airwell - 10, rue du Fort de Sant Cyr-78180 Montigny Le Bretonneux








4C03100035

Airwell Model (Modèle): **AW-FWDB024-N91**

Prod. No (Référence)	: 7SP012291	Cos φ	: 0.92
Cooling (Puissance froid)	: See outdoor unit (voir groupe ext é rieur)	PS	: 4.5MPa
Heating (Puissance chaud)	: See outdoor unit (voir groupe ext é rieur)	Dehumidification (Déshumidification)	: 2.4l/h
Power supply (Alim. électrique)	: 1P/220-240V/50Hz	R32	:
Fuse (Fusible)	: 18A(am)	Net weight (Poids net)	: 26.5 kg
IP Class	: X0		
Temp. class (Classe climat)	: T1		
Prated (P. absorbée max)	: See outdoor unit (voir groupe ext é rieur)		

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4C03100131

Airwell Model (Modèle): **AW-YMDB024-H91**

Prod. N° (Référence)	: 7SP063115	Cos φ	: 0.92
Cooling (Puissance froid)	: 2900-8000W	Pi/Po	: 4.5/4.5MPa
Heating (Puissance chaud)	: 3300-8500W	Ps/Pd	: 1.6/4.5MPa
Power supply (Alim. électrique)	: 1P/220-240V/50Hz	Sound power (Puissance sonore)	: 68dB(A)
Fuse (Fusible)	: 18A (am)	Net weight (Poids net)	: 48.7kg
IP Class	: 24	R32	: 1450g
Temp. class (Classe climat)	: T1	AddR32 (AjoutR32)	: 0< L<30m 24g/m
Prated (P. absorbée max)	: 4000W		
Pe (P. absorbée)	: 2093W		

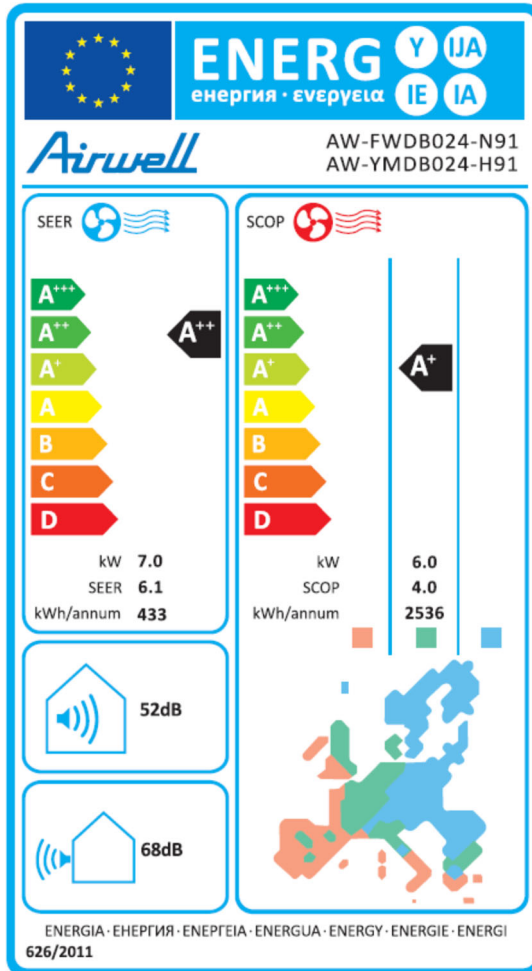
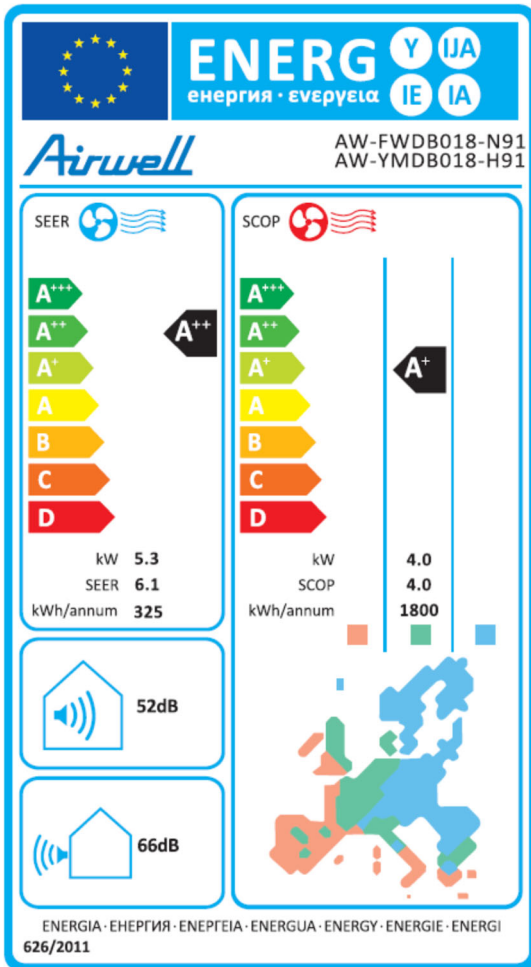
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. (Contient des gaz à effet de serre fluorés relevant du protocole de Kyoto.)
Airwell - 10, rue du Fort de Sant Cyr-78180 Montigny Le Bretonneux



4C03100071

Energy label



Ecodesign



[ECODESIGN] product datasheet

[THE BASIC INFORMATION

Model	AW-FWDB018-N01/ AW-YMDB018-H01
Manufacturer / Address	Airwell Residential S.A.S / 10,Rue du Fort de Saint Cyr, 78180 Montigny le Bretonneux - France
Sound power level (indoor unit / outdoor unit)	52 / 66 dB(A)
Refrigerant	R32

Refrigerant leakage contributes to climate change.

Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere.

This appliance contains a refrigerant fluid with a GWP equal to 675.

This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years.

Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

[COOLING MODE

SEER	6.1
Energy efficiency class	A++
P _{designc}	5.3 kW

Energy consumption 310 kWh per year, based on standard test results.

Actual energy consumption will depend on how the appliance is used and where it is located.

[HEATING MODE

Climate type	Warmer / Average / Colder
SCOP	5.1 / 4.0 / -
Energy efficiency class	A+++ / A+ / -
P _{designh}	5.0 kW / 4.0 kW / -

Energy consumption: 1090 / 1400 / - kWh per year, based on standard test results.

Actual energy consumption will depend on how the appliance is used and where it is located.

The back up heating capacity for calculation of SCOP at reference design condition: 0 / 0.34 / 1.0 kW.

[CONTACT]

10,Rue du Fort de Saint Cyr,78180 Montigny le Bretonneux - France

TEL: +33 (0)1 76 21 82 80 FAX: +33 (0)1 76 21 82 01 www.airwell-residential.com



Ecodesign



[ECODESIGN] product datasheet

[THE BASIC INFORMATION

Model	AW-FWDB024-N91/ AW-YMDB024-H91
Manufacturer / Address	Airwell Residential S.A.S / 10,Rue du Fort de Saint Cyr, 78180 Montigny le Bretonneux - France
Sound power level (indoor unit / outdoor unit)	52 / 68 dB(A)
Refrigerant	R32

Refrigerant leakage contributes to climate change.
 Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere.
 This appliance contains a refrigerant fluid with a GWP equal to 675.
 This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years.
 Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

[COOLING MODE

SEER	6.1
Energy efficiency class	A++
Pdesignc	7.0 kW

Energy consumption 430 kWh per year, based on standard test results.
 Actual energy consumption will depend on how the appliance is used and where it is located.

[HEATING MODE

Climate type	Warmer / Average / Colder
SCOP	5.1 / 4.0 / -
Energy efficiency class	A+++ / A+ / -
Pdesignh	5.8kW / 6.0kW / -

Energy consumption: 1680 / 2150 / - kWh per year, based on standard test results.
 Actual energy consumption will depend on how the appliance is used and where it is located.
 The back up heating capacity for calculation of SCOP at reference design condition: 0 / 0.34 / 1.0 kW.

[CONTACT]

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