

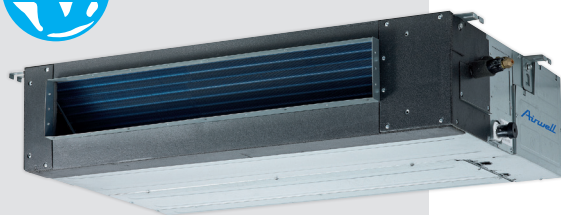


DC Inverter
Cooling & heating

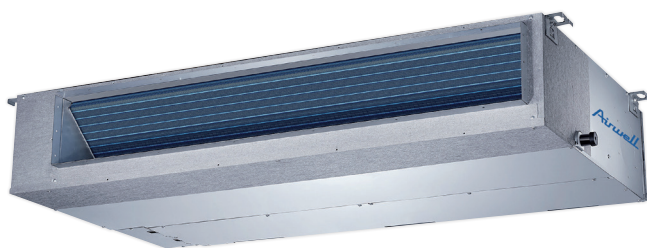


DDM

DUCTED MEDIUM STATIC PRESSURE



DDM 012



DDM 018-060



+ PRODUCTS

- RCW11 remote control included
- Low height (200 mm)
- Alarm output and dry contact
- Integrated condensate pump
- Fresh air supply possible
- Multisplit compatible
- R32/R410A compatible
- Constant flow control

FEATURES

TECHNOLOGY:



FLEXY MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:



AIR FILTER

USER FUNCTIONS:



I FEEL



NIGHT MODE



24 H PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



INTEGRATED WATER PUMP



LEFT/RIGHT DRAIN CONNECTION



ALARM OUTPUT



DRY CONTACT ON/OFF



HEATING ONLY MODE

THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A++ (cooling mode)/A+ (heating mode)

THE + «USER»

→ Invisible: blends into all types of interiors

→ Quiet

THE + «INSTALLER»

→ Suitable for long duct lengths (160 Pa)

THE + «TECHNOLOGY»

→ Golden Fin (high corrosion resistance)

→ Electronic expansion valve

→ Self-adjusting static pressure



OPTIONS

Accessory	Part number	Photo	Function/Description
Wireless controller RC08C	7ACEL1740		Timer, eco mode, "Follow me" option, swing, technician mode, heating only mode.
Central controller RCW21	7ACEL1777		Central controller. Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Insulated air duct plenum	7ACVF0136		3 ducts DN160. For DDM 12-18.
	7ACVF0137		3 ducts DN 160. For DDM 24.
	7ACVF0138		3 ducts DN 160. For DDM 36.
	7ACVF0139		3 ducts DN 160. For DDM 48-60.

CERTIFICATION

AIRWELL participates in the ECP programme for AC1.

Check ongoing validity of certificate:
www.eurovent-certification.com



* models so marked are not Eurovent certified

Airwell
Just feel well

WELLZONE

ZONE BY ZONE REGULATION

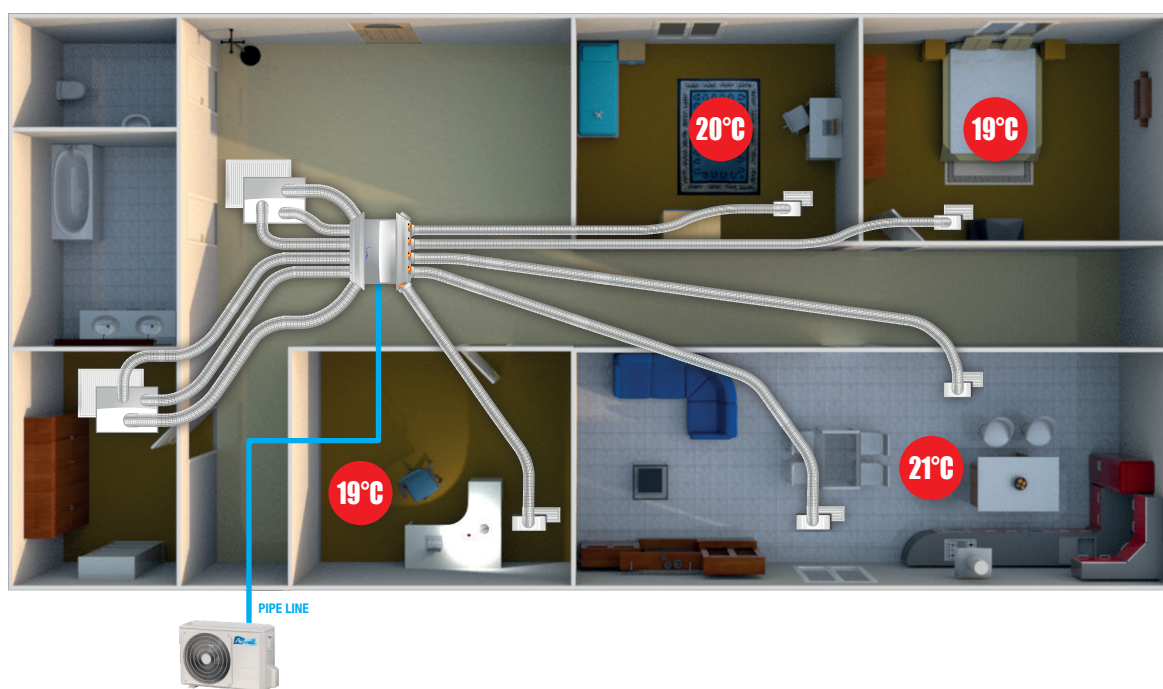
Wellzone: The ideal temperature in each room

INFO!

This solution works with the DDM gainable.

- Air/air heat pump: **check up to 6 zones** in heating and cooling mode.
- The air registers modify their position (from 0 to 100%) in accordance with the thermostat of each room, which **maintains the desired comfort temperature**.
- Each zone has an **independent remote control** equipped with the "I Feel" system, used to control the ambient temperature and the on/off switch.
- **Invisible** air conditioning and heating solution for the whole house.
- **Low cost** system (1 single indoor unit).

SIMULATION FOR AN INSTALLATION IN 4 ZONES WITH 5 OUTPUTS / WELLZONE 4V-5S



It's easy to place an order:
1 single code for the complete kit of your choice!

CONTENTS OF A COMPLETE WELLZONE KIT



Supply air and return plenums
+ Servomotors



Diffusion and
return grilles



Ducts



Control system
gateway



Thermostats

Option 1: Your all inclusive solution

Reference	Description	Compatibility	Part number
1 WELLZONE 3V	Check up to 3 zones	DDM 12-24	7ACEL1805
2 WELLZONE 4V	Check up to 4 zones	DDM 12-24	7ACEL1806
3 WELLZONE 4V-5S	Check up to 4 zones with 5 outputs	DDM 24-60	7ACEL1807
4 WELLZONE 5V	Check up to 5 zones	DDM 24-60	7ACEL1808
5 WELLZONE 6V	Check up to 6 zones	DDM 24-60	7ACEL1809

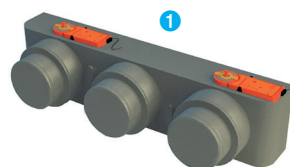
	1 WELLZONE 3V	2 WELLZONE 4V	3 WELLZONE 4V-5S	4 WELLZONE 5V	5 WELLZONE 6V
Description	Quantity	Quantity	Quantity	Quantity	Quantity
Supply air plenum	1	1	1	1	1
Thermostat	3	4	4	5	6
Control system gateway	1	1	1	1	1
Servomotors	3	4	5	5	6
Return plenum	1	1	1	1	1
400x150 grille	1	2	2	2	3
250/200 reducer	-	-	2	2	1
250/160 reducer	-	-	-	-	3
400x150 plenum	1	2	2	2	3
300x150 grille	2	2	3	3	3
300x150 plenum	2	2	3	3	3
600x400 return grille	1	1	2	2	2
600x400 return plenum	1	1	2	2	2
10-m duct Ø160	2	2	3	3	3
10 m duct Ø200	2	3	4	4	5
10 m duct Ø250	1	1	2	2	2

Option 2: Create your Wellzone

Adjust according to your needs by selecting the Wellzone pack of your choice (see table below).

The most economical solution

CONTENTS OF A CONTROL SYSTEM PACK



Supply air plenum
+ Servomotors



Control system
gateway



Thermostats

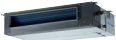
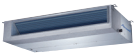
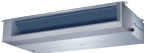
Reference	Description	Compatibility	Part number
PACK WZ 3V	1 x 1 / 2 x 1 / 3 x 3	DDM 12-24	7ACEL1810
PACK WZ 4V	1 x 1 / 2 x 1 / 3 x 4	DDM 12-24	7ACEL1811
PACK WZ 4V-5S	1 x 1 / 2 x 1 / 3 x 4	DDM 24-60	7ACEL1812
PACK WZ 5V	1 x 1 / 2 x 1 / 3 x 5	DDM 24-60	7ACEL1813
PACK WZ 6V	1 x 1 / 2 x 1 / 3 x 6	DDM 24-60	7ACEL1814
PLENUM 3S 1100 DDM 12-24	Return plenum	DDM 12-24	7ACEL1822
PLENUM 4S 1050 DDM 12-24	Return plenum	DDM 12-24	7ACEL1823
PLENUM 6S 1500 DDM 12-60	Return plenum	DDM 12-60	7ACEL1824

DDM TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91	AW-DDM024-N91	AW-DDM036-N91	AW-DDM036-N91	AW-DDM048-N91*	AW-DDM060-N91*
Outdoor unit R32		AW-YDFA012-H91	AW-YDFA018-H91	AW-YDFA024-H91	AW-YDFA036-H91	AW-YDFA036-H93	AW-YDFA048-H93	AW-YDFA060-H93
Phase		Single phase	Single phase	Single phase	Single phase	Three phase	Three phase	Three phase
COOLING								
Rated power (min./max.)	kW	3.52 (1.50-4.75)	5.28 (1.49-5.69)	7.03 (3.28-8.16)	10.55 (4.04-12.02)	10.55 (4.04-12.02)	14.07 (4.26-15.19)	15.24 (5.86-17.29)
Pdesigngc	kW	3.50	5.30	7.00	10.50	11.00	14.00	15.40
Rated power input	kW	0.95	1.63	2.19	4.00	4.10	5.15	5.42
SEER/Energy label		6.5/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power (min./max.)	kW	4.10 (0.97-5.63)	5.86 (2.2-6.15)	7.62 (2.72-8.72)	11.14 (2.81-13.19)	11.14 (2.81-13.19)	16.12 (3.7-18.02)	18.17 (4.69-20.52)
Pdesignh (average climate)	kW	3.20	4.30	5.10	8.40	8.50	12.00	12.50
Pdesignh (warmer climate)	kW	3.70	5.30	6.10	10.50	10.50	12.50	13.10
Rated power input	kW	1.10	1.58	2.05	3.10	3.00	4.28	5.33
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)		5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.0/A++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb						
Power @ -10°C	kW	3.92	4.47	6.32	9.17	9.11	11.76	13.96
Power @ -15°C	kW	3.67	4.18	5.92	8.59	8.54	11.02	13.07
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/31/35	33/38/42	38/40/42	39/42/45	40/43/50	48/50/51	51/52/54
Sound power level	dB(A)	56	59	62	62	63	68	71
Airflow (LS/MS/HS)	m³/h	300/480/600	350/650/880	839/1054/1248	750/1150/1400	750/1150/1400	1680/2040/2400	1820/2210/2600
External static pressure (standard/max.)	Pa	25 (0-60)	25 (0-100)	25 (0-160)	37 (0-160)	37 (0-160)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2.0	3.0	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x200x506	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x285x540	1070x280x725	1305x305x805	1570x305x805	1570x305x805	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18/22	24.3/29.6	31.5/38.9	40.5/48.5	40.5/48.5	47.6/55.8	47.6/55.8
Part number		7SP033031	7SP033032	7SP033033	7SP033034	7SP033034	7SP033035	7SP033036
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	56	55	61	63	64	66	64
Sound power level	dB(A)	62	62	66	68	68	72	74
Airflow	m³/h	2000	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9	111.3/124.3
Part number		7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055	7SP063056
POWER SUPPLY								
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz
Power supply side		Outdoor	Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.5	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65	65
Max. height	m	10	20	25	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.87	1.15	1.5	2.4	2.4	2.8	2.95
Additional charge	g/m	12	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	AWAU-YMD036-H13	AWAU-YMD048-H13	AWAU-YMD060-H13
Part number		7SP062970	7SP062972	7SP062893	7SP062895	7SP062896	7SP062899	7SP062900

* Technical specifications - See R410A documentation.

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Ducted	Monosplit	Multisplit
DDM 12 & 18 	YDFA 	YDZC 
DDM 24 & 36 	YDFA 	
DDM 48 & 60 	YDFA 	