



DC Inverter  
Cooling & heating

A<sup>++</sup>

**HYBRID**  
HOUSE by Airwell

**Airwell**



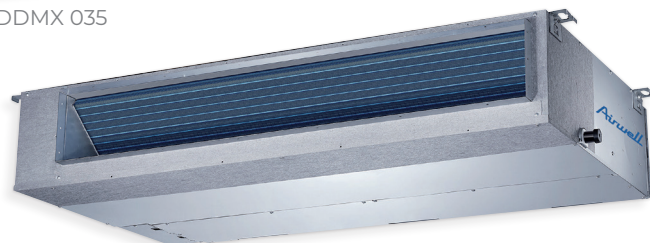
# DDMX Ducted medium static pressure



DDMX 035



RCW11 included



DDMX 050-175

## + PRODUCT

- RCW11 remote control included
- Discreet
- Compact
- Performance
- Wired single control supplied
- Compatible with multisplits YDZC and ZDAA
- Wellzone compatible

## FEATURES

### TECHNOLOGY



FLEXY MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

### AIR QUALITY/CLEAN



AIR FILTER

### USER FUNCTIONS



PROGRAMMABLE TIMER



I FEEL



NIGHT MODE



AUTO RESTART (MEMORY)

## CERTIFICATION

- AIRWELL participates in the ECP programme for ACI. Check ongoing validity of certificate:

[www.eurovent-certification.com](http://www.eurovent-certification.com)



- Models marked \* are not Eurovent certified



With LCAC WiFi solar panel in optional

AirHome connectivity

### THE «SUSTAINABLE DEVELOPMENT»

- > Energy label A++ in cooling mode and A+ in heating mode, guaranteeing energy savings.

### THE «USER»

- > Invisible solution that integrates into all types of interiors.
- > Wide range adapted to your needs.
- > Quiet thanks to its installation in a false ceiling.

### THE «INSTALLER»

- > Compact design, ideal for tight spaces.
- > Static pressure (160 Pa) suitable for long duct lengths.
- > Unit with pre-drilled holes for fresh air supply to the room.
- > Maximum piping length up to 75m adapted to complex and remote installation.

### THE «TECHNOLOGY»

- > On/off contact included associated with a "room card" or other solution (not supplied) for better control of its operation and for energy savings.
- > Alarm contact (synthesis fault) included.
- > Room sensor integrated in the remote control for better comfort ("I Feel" mode).
- > Condensate pump included for automatic discharge.
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.
- > Wide operating range of -15° to 50°C in cooling mode and -15° to 24°C in heating mode.

## OPTIONS

ACCESSORY	PART NUMBER	PICTURE	FUNCTION
Wireless controller RC18	7ACEL1898		• Fan speed mode, timer on/off, "I Feel" function, technician test mode.
LCAC WiFi accessory	7ACEL1883		• Accessory for remote control via WiFi.
Insulated air duct plenum	7ACVF0136		• 3 ducts DN160. For DDMX 50.
	7ACVF0137		• 3 ducts DN160. For DDMX 70.
	7ACVF0138		• 3 ducts DN160. For DDMX 100.
	7ACVF0139		• 3 ducts DN160. For DDMX 140-175.

**WELLZONE:**  
*The ideal temperature  
in each room*

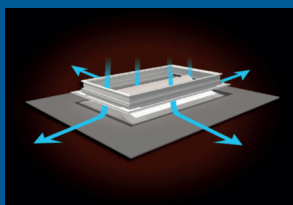
This solution works with  
the DDMX ducted.

- ▶ Air/air heat pump: **control up to 6 zones** in heating and cooling mode.
- ▶ The air louvers change their position (from 0 to 100%) in accordance with the thermostat (temperature set point) 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 air dampers.
- ▶ **Invisible** air conditioning and heating solution for the whole house.
- ▶ **Cost saving** system (1 single indoor unit).

### OPTION 1: YOUR ALL INCLUSIVE SOLUTION

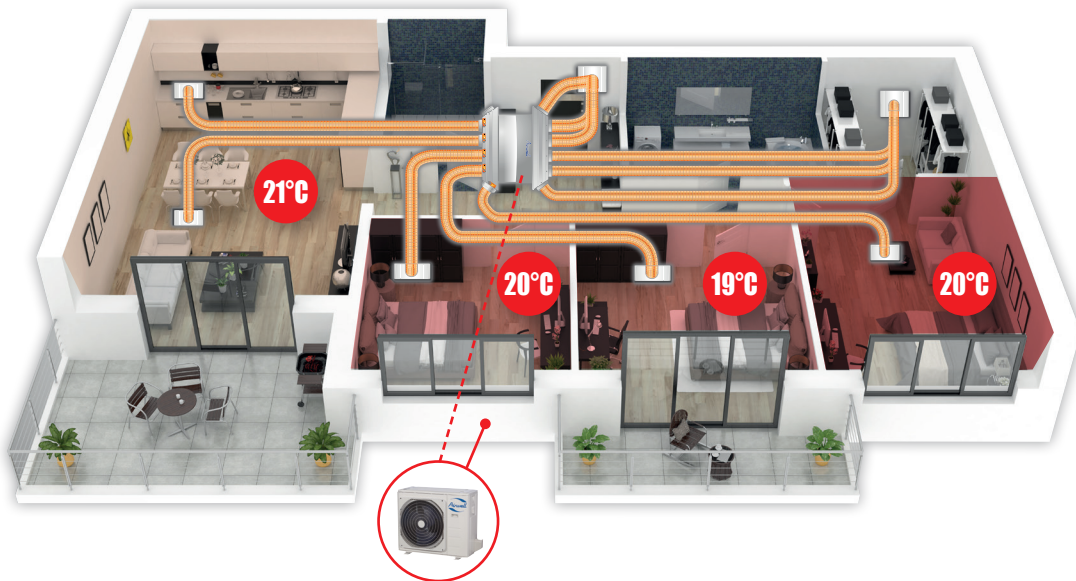
REFERENCE	DESCRIPTION	COMPATIBILITY	PART NUMBER
1 WELLZONE 3V	• Control up to 3 zones	DDMX 35-50	7ACEL1805
2 WELLZONE 4V	• Control up to 4 zones	DDMX 35-50	7ACEL1806
3 WELLZONE 4V-5S	• Control up to 4 zones with 5 outputs	DDMX 70-175	7ACEL1807
4 WELLZONE 5V	• Control up to 5 zones	DDMX 70-175	7ACEL1808
5 WELLZONE 5V-6S	• Control up to 5 zones with 6 outputs	DDMX 70-175	7ACEL1903
6 WELLZONE 6V	• Control up to 6 zones	DDMX 70-175	7ACEL1809

DESCRIPTION	1	2	3	4	5	6
	WELLZONE 3V	WELLZONE 4V	WELLZONE 4V-5S	WELLZONE 5V	WELLZONE 5V-6S	WELLZONE 6V
<b>PACK WZ</b>	<b>QUANTITY</b>	<b>QUANTITY</b>	<b>QUANTITY</b>	<b>QUANTITY</b>	<b>QUANTITY</b>	<b>QUANTITY</b>
Thermostat	3	4	4	5	5	6
Programming timer	1	1	1	1	1	1
Servomotor	3	4	5	5	6	6
Control system gateway	1	1	1	1	1	1
Supply air plenum	1	1	1	1	1	1
Return plenum	1	1	1	1	1	1
ABS plenum grid (400x150 mm)	3	4	5	5	6	6
Double deflection air supply grid in matt white aluminum (400x150 mm)	3	4	5	5	6	6
Steel plenum grid (600x400 mm)	1	1	2	2	2	2
White aluminium return filter holder grid (600x400 mm)	1	1	2	2	2	2
Reducer (250/200 mm)	-	-	1	1	2	2
10m polyester insulated duct M1 (Ø200 mm)	4	5	7	7	8	8
10m polyester insulated duct M1 (Ø250 mm)	1	1	2	2	2	2

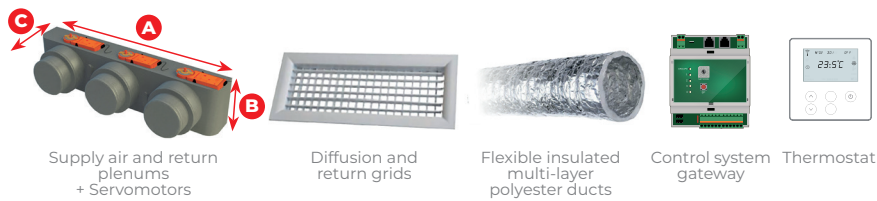


Customize the design of the air supply grids according to the interior of the house.

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



### CONTENTS OF A COMPLETE WELLZONE KIT



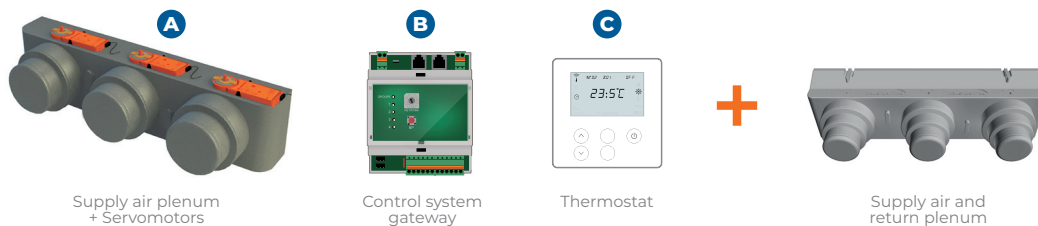
REFERENCE	STITCHING (Ø)	DIMENSIONS A x B x C
PLENUM 3S	250 > 200 > 160	1100 x 350 x 411
PLENUM 4S	200 > 160	1100 x 350 x 300
PLENUM 6S	250 & 200 > 160	1621 x 350 x 450

### OPTION 2: YOUR CONTROL SYSTEM GATEWAY SOLUTION

► 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



REFERENCE	DESCRIPTION	COMPATIBILITY	PART NUMBER
PACK WZ 3V	A x1 / B x1 / C x3	DDMX 35-50	7ACEL1810
PACK WZ 4V	A x1 / B x1 / C x4	DDMX 35-50	7ACEL1811
PACK WZ 4V-5S	A x1 / B x1 / C x4	DDMX 70-175	7ACEL1812
PACK WZ 5V	A x1 / B x1 / C x5	DDMX 70-175	7ACEL1813
PACK WZ 5V-6S	A x1 / B x1 / C x5	DDMX 70-175	7ACEL1904
PACK WZ 6V	A x1 / B x1 / C x6	DDMX 70-175	7ACEL1814
<b>Don't forget the supply air/return plenum in the composition of your Pack:</b>			
PLENUM 3S	Supply air/return plenum	DDMX 35-50	7ACEL1822
PLENUM 4S	Supply air/return plenum	DDMX 35-50	7ACEL1823
PLENUM 6S	Supply air/return plenum	DDMX 70-175	7ACEL1824

# DDMX

## Ducted medium static pressure

### TECHNICAL DATA

INDOOR UNIT		DDMX-035N-09M25	DDMX-050N-09M25	DDMX-070N-09M25	DDMX-100N-09M25	DDMX-100N-09M25	DDMX-140N-09M25*	DDMX-175N-09M25*
Part number		7SP033070	7SP033071	7SP033072	7SP033073	7SP033073	7SP033074	7SP033075
Phase		Single phase	Single phase	Single phase	Single phase	Three phase	Three phase	Three phase
COOLING								
Rated power (min./max.)	kW	3.52 (0.53-3.99)	5.28 (2.55-5.86)	7.03 (3.28-8.16)	10.55 (2.75-11.14)	10.55 (2.73-11.78)	14.07 (3.52-15.53)	15.24 (4.10-17.29)
Pdesignc	kW	3.50	5.40	7.10	10.50	10.60	14.00	15.30
Rated power input	kW	1.05	1.53	2.19	3.95	4.00	4.80	5.25
SEER/Energy label		6.3/A++	6.5/A++	6.2/A++	6.2/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15°~50°C Dry bulb						
HEATING								
Rated power (min./max.)	kW	3.81 (1.00~4.39)	5.57 (2.20~6.15)	7.62 (2.81~8.49)	11.72 (2.78~12.78)	11.72 (2.78~12.84)	16.12 (4.10~18.17)	18.17 (4.40~20.52)
Pdesignh (average climate)	kW	2.70	4.30	5.40	8.40	8.80	8.80	12.50
Pdesignh (warmer climate)	kW	3.40	5.20	6.00	9.80	10.00	11.50	12.80
Rated power input	kW	1.04	1.51	1.90	3.25	3.25	4.50	5.15
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+++	5.1/A+++	5/A++	5.1/A+++
Operating limits	°C	-15°~24°C Dry bulb						
Power at -7°C	kW	2.98	4.45	6.13	9.11	9.18	12.89	13.27
Power at -10°C	kW	2.60	3.74	5.40	7.60	7.63	10.69	11.92
Power at -15°C	kW	2.08	2.99	4.32	6.08	6.10	8.55	9.54
INDOOR UNIT								
Sound pressure level at 1 m (VL/LS/MS/HS)	dB(A)	23/29/30.5/34.5	26/34/38/41	27/37/42/40	42/46/48/49.5	42/46/48/49.5	42/47/49/50	47/49/52.5
Sound level	dB(A)	58	58	62	61	61	66	66
Airflow (LS/MS/HS)	m³/h	300/480/600	515.2/706/911	825.1/1035/1229	1500/1800/2100	1500/1800/2100	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	1.20	1.80	2.40	3.60	3.60	4.80	5.50
Outline dimensions (WxHxD)	mm	700x200x506	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x285x540	1070x280x725	1305x315x805	1570x300x805	1570x330x805	1405x365x915	1405x365x915
Net weight/Gross weight	kg	17.8/25.2	24.4/30.4	32.3/39.7	40.5/48.9	40.5/48.9	47.6/56.5	47.4/56.8
OUTDOOR UNIT								
		YDAX-035H-09M25	YDAX-050H-09M25	YDAX-070H-09M25	YDAX-100H-09M25	YDAX-100H-09T35	YDAX-140H-09T35	YDAX-175H-09T35
Part number		7SP063170	7SP063171	7SP063172	7SP063173	7SP063174	7SP063175	7SP063176
Sound pressure level at 1 m	dB(A)	51	54	57	59	59	63	63
Sound level	dB(A)	62	65	68	70	70	74	74
Airflow	m³/h	2200	2100	3500	4000	4000	7500	7500
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Outline dimensions (WxHxD)	mm	765x555x303	805x554x330	890x673x342	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	887x610x337	915x615x370	995x740x398	1090x885x500	1090x885x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	26.6/29.4	32.5/35.3	43.9/46.7	66.9/72.1	75.5/85.6	103.7/118.3	107.0/121.2
POWER SUPPLY								
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	3P/380-415V/50Hz	3P/380-415V/50Hz	3P/380-415V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x4.0	5x2.5	5x2.5	5x2.5
Fuse rating am (D curve)	A	10	16	20	25	16	16	16
Shielded electrical connections	mm²	4x1.0	4x1.0	4x1.0	4x1.0	4x1.0	4x1.0	4x1.0
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	75	75	75	75
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	0.72	1.15	1.50	2.40	2.40	2.90	3.00
Additional charge	g/m	12	12	24	24	24	24	24

### COMBINATION

INDOOR UNIT DUCTED	COMPATIBLE WITH OUTDOOR UNIT		
	MONOSPLIT	MULTISPLIT	
 DDMX 035-050	 YDAX	 ZDAA	 YDZC
 DDMX 070-100	 YDAX		
 DDMX 140-175	 YDAX		