

+ PRODUCT

- RCW11 remote control included (see p.150)
- Discreet
- Compact
- Performance
- Compatible with YDZC and ZDAA multisplits
- Airzone compatible

Connectivity



AirHome With LCAC Wi-Fi module in optional

Technology



FLEX MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

Air quality



ANTIBACTERIAL FILTER



FRESH AIR SUPPLY

User functions



I FEEL



NIGHT MODE



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)



TEMPERATURE LOCK



MODE LOCK

Installer functions



AUTO-DIAGNOSTIC



BUILT-IN CONDENSATE PUMP



ALARM OUTPUT



DRY CONTACT ON/OFF

CERTIFICATION

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate: www.eurovent-certification.com



- Models marked * are not Eurovent certified

DDMX

Medium-pressure ducted



COOLING
A++



HEATING
A+



FLUID
R32



DDMX 022N-035N



RCW11 included



DDMX 050N-175N

+ “SUSTAINABLE DEVELOPMENT”

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

+ “USER”

- Invisible solution that can adapt to all types of interiors.
- Wide range adapted to your needs.
- Quiet due to its installation in a false ceiling.

+ “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 75 m adapted to complex and remote installation.

+ “TECHNOLOGY”

- On/Off contact included associated with a “room card” or other solution (not supplied) for better control and for energy savings.
- Alarm contact (synthesis fault) included.
- Room sensor built into the remote control for better comfort (“I Feel” mode by pressing the Turbo button on the remote control for 7 s).
- 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 (see p.146)	7ACEL1898		• Fan speed mode, On/Off timer, “I Feel” function, technician test mode.
Wired remote control RCW26 (see p.152) Order of the 7ACEL1776 interface required by indoor unit.	7ACEL1876		• Controls until 16 indoor units.
LCAC Wi-Fi accessory	7ACEL1883		• Accessory for remote control via Wi-Fi.
Insulated air duct plenum	7ACVF0136		• 3 outputs DN160. For DDMX 50.
	7ACVF0137		• 3 outputs DN160. For DDMX 70.
	7ACVF0138		• 3 outputs DN160. For DDMX 90-100.
	7ACVF0139		• 3 outputs DN160. For DDMX 140-175.

TECHNICAL DATA

INDOOR UNIT		DDMX-022N-09M25	DDMX-035N-09M25	DDMX-050N-09M25	DDMX-070N-09M25	DDMX-090N-09M25	DDMX-100N-09M25	DDMX-100N-09M25	DDMX-140N-09M25*	DDMX-175N-09M25*
Part number		7SP033069	7SP033070	7SP033071	7SP033072	7SP033076	7SP033073	7SP033073	7SP033074	7SP033075
Phase		Single-phase						Three-phase		
COOLING										
Rated power (min./max.)	kW	2.05 (0.31~2.33)	3.52 (0.53~3.99)	5.28 (2.55~5.86)	7.03 (3.28~8.16)	8.79 (2.23~9.85)	10.55 (2.75~11.14)	10.55 (2.73~11.78)	14.07 (3.52~15.53)	15.24 (4.10~17.29)
Pdesignnc	kW		3.50	5.40	7.10	8.8	10.50	10.60	14.00	15.30
Rated power input/EER	kW		1.06/3.30	1.53/3.52	2.25/3.15	2.50/3.52	4.04/2.62	3.93/2.70	4.80/2.93	5.25/2.90
SEER/Energy label			6.3/A++	6.5/A++	6.2/A++	6.5/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	2.34 (0.62~2.70)	3.81 (1.00~4.39)	5.57 (2.20~6.15)	7.62 (2.81~8.49)	9.38 (2.70~10.02)	11.72 (2.78~12.78)	11.72 (2.78~12.84)	16.12 (4.10~18.17)	18.17 (4.40~20.52)
Pdesignnh (average climate)	kW		2.70	4.30	5.40	8	8.40	8.80	8.80	12.50
Pdesignnh (warmer climate)	kW		3.40	5.20	6.00	8.20	9.80	10.00	11.50	12.80
Rated power input/COP	kW		1.15/3.66	1.49/3.75	1.73/4.10	2.25/4.17	3.23/3.71	3.23/3.71	4.50/3.58	5.15/3.52
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+	4.0/A+
SCOP/Energy label (warmer climate)			5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.0/A++	5.1/A+++
Operating limits	°C		-15°~24°C Dry bulb							
Power at -7°C	kW		2.98	4.45	6.13	6.46	9.11	9.18	12.89	13.27
Power at -10°C	kW		2.85	4.25	5.85	6.16	8.69	8.76	12.31	12.67
Power at -15°C	kW		2.67	3.98	5.48	5.77	8.14	8.21	11.53	11.86
INDOOR UNIT										
Sound pressure level at 1 m (LS/MS/HS)	dB(A)	23/27/34/40	23/29/30/34	23/29/30/34	27/37/42/40	40.5/46/48/50.5	42/46/48/49	42/46/48/49	42/47/49/50	47/49/52
Sound level	dB(A)	58	58	58	62	63	61	61	66	66
Airflow (LS/MS/HS)	m³/h	230/340/500	300/480/600	515.2/706/911	825.1/1035/1229	1500/1800/2100	1500/1800/2100	1500/1800/2100	1680/2040/2400	1820/2210/2600
External static pressure (standard/max.)	Pa	25/0-40	25/0-60	25/0-100	25/0-160	37/0-160	37/0-160	37/0-160	50/0-160	50/0-160
Dehumidification	l/h	0.70	1.20	1.80	2.40	3.00	3.60	3.60	4.80	5.50
Outline dimensions (WxHxD)	mm	700x200x506	700x200x506	880x210x674	1100x249x774	1360x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x285x540	860x285x540	1070x280x725	1305x315x805	1570x300x805	1570x300x805	1570x330x805	1405x365x915	1405x365x915
Net weight/Gross weight	kg	17.8/25.2	17.8/25.2	24.4/30.4	32.3/39.7	40.5/48.3	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-090H-09M25	YDAX-100H-09M25	YDAX-100H-09T35	YDAX-140H-09T35	YDAX-175H-09T35
Part number		-	7SP063170	7SP063171	7SP063172	7SP063177	7SP063173	7SP063174	7SP063175	7SP063176
Sound pressure level at 1 m	dB(A)		51	54	57	59	59	59	63	63
Sound level	dB(A)		62	65	68	70	70	70	74	74
Airflow	m³/h		2200	2100	3500	3800	4000	4000	7500	7500
Compressor type			Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Outline dimensions (WxHxD)	mm		765x555x303	805x554x330	890x673x342	946x810x410	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm		887x610x337	915x615x370	995x740x398	1090x885x500	1090x885x500	1090x885x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg		26.6/29.4	32.5/35.3	43.9/46.7	52.8/57.3	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	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	Outdoor
Power cable section	mm²		3G1.5	3G1.5	3G2.5	3G4.0	3G4.0	5G2.5	5G2.5	5G2.5
Fuse rating am	A		16	16	20	25	25	16	16	16
Electrical connections in/out	mm²	4G1.5	4G1.5	4G1.5	4G1.5	4G1.5	4G1.5	4G1.5	4G1.5	4G1.5
PIPE LINE										
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m		25	30	50	50	75	75	75	75
Max. height	m		10	20	25	25	30	30	30	30
Refrigerant/GWP			R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg		0.72	1.15	1.50	2.00	2.40	2.40	2.90	3.00
Additional charge	g/m		12	12	24	24	24	24	24	24

MATCHING

INDOOR UNIT		COMPATIBLE WITH OUTDOOR UNIT			
DUCTED		MONOSPLIT	MULTISPLIT		
					
DDMX 022N					
					
DDMX 035N-050N-070N					

MATCHING

INDOOR UNIT		COMPATIBLE WITH OUTDOOR UNIT	
DUCTED		MONOSPLIT	
			YDAX
DDMX 90N-100N			
			YDAX
DDMX 140N & 175N			