

+ PRODUCT

- RCW32 remote control included
- Horizontal or vertical installation
- Multisplit compatible
- Wellzone / Airzone / Koolnova / Madel compatible

Connectivity



Technology



FLEXY MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT



OPTIPOWER



HORIZONTAL OR VERTICAL INSTALLATION

Air quality



ANTIBACTERIAL FILTER



FRESH AIR SUPPLY

User functions



I FEEL



QUIET MODE



REFRIGERANT LEAKAGE DETECTOR



PROGRAMMABLE TIMER



WEEKLY TIMER



TIMER



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK



Wi-Fi



TEMPERATURE LOCK



MODE LOCK

Installer functions



ERROR CODE VIA INDOOR UNIT



AUTO-DIAGNOSTIC



BUILT-IN CONDENSATE PUMP



ALARM OUTPUT



DRY CONTACT ON/OFF



BMS COMPATIBLE



TECHNICIAN TEST MODE



HEATING MODE ONLY

CERTIFICATION

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



- Models marked * are not Eurovent certified

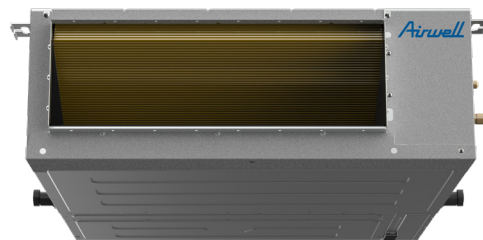
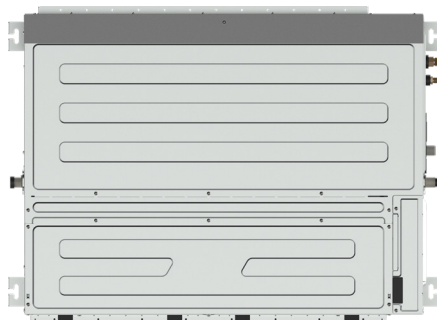
NEW

DDMD

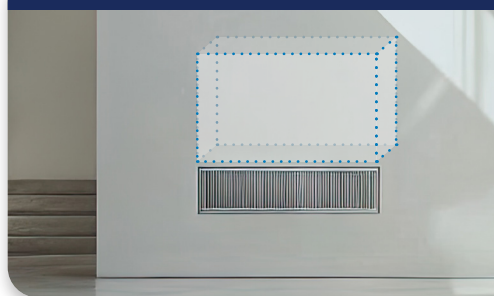
Medium-pressure ducted

COOLING
A++HEATING
A+FLUID
R32

RCW32 included



VERTICAL INSTALLATION



HORIZONTAL INSTALLATION



+ “SUSTAINABLE DEVELOPMENT”

- Energy label A++ in cooling mode and A+ in heating mode.

+ “USER”

- Even more compact, only 245 mm high. Perfect for small suspended ceilings.
- Integrated condensate pump from size 5 kW upwards (1000 mm rise).
- Fresh air can be supplied.
- Horizontal and vertical installation possible.
- Flexible condensate pump for vertical and horizontal installation.
- Adjustable air intake.

+ “INSTALLER”

- Invisible solution.
- Quiet operation.
- New thermostat with built-in WiFi.

+ “TECHNOLOGY”

- On/Off contact.
- Alarm output.
- Improved static pressure.
- Electronic expansion valve.
- Golden Fin treatment.
- Constant airflow function, the unit automatically increases static pressure to maintain a constant airflow.
- OptiPower allows you to reduce consumption by 25% or 50%.

OPTIONS

ACCESSORY	PART NUMBER	PICTURE	FUNCTION
Wireless controller RC18	7ACEL1898		• Fan speed mode, On/Off timer, “I Feel” function, technician test mode.
Wired remote control RCW26	7ACEL1876		• Controls until 16 indoor units.
Insulated air duct plenum	7ACVF0136		• 3 outputs DN160. For DDMD 50.
	7ACVF0137		• 3 outputs DN160. For DDMD 70.
	7ACVF0138		• 3 outputs DN160. For DDMD 90-100.
	7ACVF0139		• 3 outputs DN160. For DDMD 140-175.

TECHNICAL DATA

INDOOR UNIT		DDMD-025N-09M25	DDMD-035N-09M25	DDMD-050N-09M25	DDMD-070N-09M25	DDMD-090N-09M25	DDMD-100N-09M25	DDMD-100N-09M25	DDMD-120N-09M25*	DDMD-140N-09M25*	DDMD-175N-09M25*
Part number		7SP033095	7SP033096	7SP033097	7SP033098	7SP033099	7SP033100	7SP033100	7SP033101	7SP033102	7SP033103
Phase		Single-phase	Single-phase	Single-phase	Single-phase	Single-phase	Single-phase	Three-phase	Single-phase	Three-phase	Three-phase
COOLING											
Rated power (min./max.)	kW	2.64 (0.35~3.82)	3.52 (0.53~3.91)	5.28 (1.32~6.16)	7.09 (3.23~7.92)	8.79 (2.23~9.97)	10.55 (2.75~11.73)	10.55 (2.726~11.73)	12.11 (2.93~12.31)	14.07 (3.52~15.83)	15.24 (4.10~17.29)
Pdesignnc	kW	2.1	2.7	4.3	5.6	8.0	8.4	8.8	9.5	11.5	12.5
Rated power input (min./max.)/ EER	kW	0.720 (0.14~1.18) / 3.67	1.16 (0.15~1.46) / 3.04	1.59 (0.36~2.13) / 3.32	2.28 (0.75~2.86) / 3.11	2.80 (0.19~3.45) / 3.14	3.95 (0.90~4.30) / 2.71	3.90 (0.89~4.20) / 2.71	4.00 (0.68~4.50) / 3.03	4.70 (0.81~6.15) / 2.99	5.25 (1.03~6.65) / 2.90
SEER/Energy label		6.5/A++	6.5/A++	6.5/A++	6.6/A++	6.6/A++	6.3/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15~50									
HEATING											
Rated power (min./max.)	kW	2.93 (0.94~3.48)	3.81 (1.00~4.47)	6.01 (1.50~6.31)	8.00 (2.79~8.56)	9.38 (2.70~10)	11.72 (2.78~12.61)	11.72 (2.78~12.84)	13.48 (3.37~14.07)	16.12 (4.11~17.59)	18.18 (4.40~20.52)
Pdesignnh (average climate)	kW	2.1	2.7	4.3	5.6	8.0	8.4	8.8	9.5	11.5	12.5
Pdesignnh (warmer climate)	kW	2.8	3.4	5.2	6.5	8.2	10	10.0	10.2	11.2	12.8
Rated power input (min./max.)/ COP	kW	0.85 (0.29~0.85) / 3.44	1.28 (0.30~1.42) / 2.98	1.61 (0.50~1.85) / 3.73	2.00 (0.64~2.50) / 4.00	2.40 (0.43~2.55) / 3.91	3.25 (0.80~3.95) / 3.55	3.30 (0.78~4.00) / 3.55	3.55 (0.75~4.10) / 3.80	4.60 (0.95~5.70) / 3.50	5.15 (0.95~6.60) / 3.53
SCOP/Energy label (average climate)		4.1/A+	4.1/A+	4.1/A+	4.2/A+	4.2/A+	4.1/A+	4.0/A+	4.1/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+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15~24									
Power at -7°C	kW	2.41	2.93	4.86	7.29	7.59	9.07	8.77	9.89	13.33	14.19
Power at -10°C	kW	2.3	2.8	4.64	6.96	7.24	8.66	8.38	9.44	12.73	13.54
Power at -15°C	kW	2.15	2.62	4.35	6.51	6.78	8.11	7.84	8.84	11.92	12.68
INDOOR UNIT											
Sound pressure level at 1 m (LS/MS/HS)	dB(A)	35/33/31	35/33/31	36.5/34/31	33.5/32.5/31	39/37/35	38/36/33	40/37/34	39/37.5/36	43.5/41.5/39.5	44.5/43/41.5
Sound level	dB(A)	52	52	53	56	60	62	62	62	64	66
Airflow (LS/MS/HS)	m³/h	620/540/450	660/570/470	900/780/650	1200/1000/700	1500/1200/900	1700/1400/1100	1700/1400/1100	2000/1700/1300	2000/1700/1300	2200/1900/1500
External static pressure (standard/max.)	Pa	25/80	25/100	25/160	25/160	37/160	37/160	37/160	50/160	50/160	50/160
Dehumidification	l/h	0.7	1.2	1.8	2.4		3.6	3.6		4.8	5.5
Outline dimensions (WxHxD)	mm	700x506x200	700x506x200	700x750x245	1000x750x245	1000x750x245	1200x750x245	1200x750x245	1200x750x245	1200x750x245	1200x750x300
Package dimensions (WxHxD)	mm	860x540x285	860x540x285	925x850x298	1225x860x304	1225x860x304	1425x860x304	1425x860x304	1425x860x304	1425x860x304	1425x860x354
Net weight/Gross weight	kg	16.6/19.8	16.6/19.8	24.4/29	31.8/37.2	32.7/38.3	38.4/44.4	38.4/44.4	40.6/46.1	40.4/46.8	42.9/49.1
OUTDOOR UNIT											
		YDAX-025H-09M25	YDAX-035H-09M25	YDAX-050H-09M25	YDAX-070H-09M25	YDAX-090H-09M25	YDAX-100H-09M25	YDAX-100H-09T35	YDAX-120R-09M25	YDAX-140R-09T35	YDAX-175R-09T35
Part number		7SP063240	7SP063170	7SP063171	7SP063254	7SP063256	7SP063173	7SP063174	7SP063245	7SP063247	7SP063249
Sound pressure level at 1 m	dB(A)	53	53.6	56	60	59	59	59	61	62.5	63
Sound level	dB(A)	63	62	65	68	70	70	70	72	73	74
Airflow	m³/h	2200	2200	2100	3500	3800	4000	4000	4000	5600	5600
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Outline dimensions (WxHxD)	mm	765x555x303	765x303x555	805x330x554	890x342x673	946x410x810	946x410x810	946x410x810	946x410x810	980x375x975	980x375x975
Package dimensions (WxHxD)	mm	887x610x337	887x337x610	915x370x615	995x398x740	1090x500x885	1090x500x885	1090x500x885	1090x500x885	1145x500x1080	1145x500x1080
Net weight/Gross weight	kg	24.6/27	26.6/29	32.5/35.2	43.9/46.9	66.9/71.5	66.9/71.5	80.5/85	71.0/75.0	90/105	92/107
POWER SUPPLY											
Phase/Voltage/Frequency		1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	3Ph/380-415V/50Hz	1Ph/220-240V/50Hz	3Ph/380-415V/50Hz	3Ph/380-415V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3G1.5	3G1.5	3G1.5	3G2.5	3G4.0	3G4.0	5G2.5	3G4.0	5G2.5	5G2.5
Fuse rating am	A	16	16	16	20	25	25	16	25	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	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"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	25	30	50	50	75	75	75	75	75
Max. height	m	10	10	20	25	25	30	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.65	0.72	1.15	1.5	2.0	2.4	2.4	2.8	2.9	3.2
Additional charge	g/m	12	12	12	24	24	24	24	24	24	24

MATCHING

INDOOR UNIT	COMPATIBLE WITH OUTDOOR UNIT	
DUCTED	MONOSPLIT	MULTISPLIT
 DDMD	 YDAX	 ZDAA  YDZC