

NEW

DDHM

Ducted medium pressure

COOLING **A++** HEATING **A+** FLUID **R32**



RWV11 included

+ PRODUCT

- RWV11 remote control included
- DC Inverter
- Quiet and compact
- High energy efficiency
- Integrated condensate pump
- Wide range of power options available.
- Adjustable static pressure (from 20 to 150 Pa)
- Dry contact for BMS (Building Management System)

Connectivity



SMART LIFE

Technology



ELECTRONIC EXPANSION VALVE



ENGINEER MODE ON REMOTE CONTROL



BLUE FIN TREATMENT EXCHANGERS



COOLING MODE OPERATIONAL UP TO 50°C OUTDOOR

Air quality



TRIPLE ACTION FILTER

User functions



TIMER



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK



WI-FI



TURBO MODE



AIR FLAP POSITION MEMORY



MODE LOCK

Installer functions



AUTO-DIAGNOSTIC



BUILT-IN CONDENSATE PUMP



ALARM OUTPUT



DRY CONTACT ON/OFF



BMS COMPATIBLE



COOLING MODE ONLY

CERTIFICATION

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



- Tested according to international standards:



+ SUSTAINABLE DEVELOPMENT

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

+ USER

- Invisible and discreet solution.
- Fits into any interior.
- Wide range available.
- Very quiet (installation in false ceiling).
- Ensures air renewal (fresh air supply).
- Dry contact for BMS (Building Management System).

+ INSTALLER

- Ideal for confined spaces.
- Easy installation.
- Static pressure (150 Pa).
- Long ducts possible.
- Long refrigeration lengths 70 m.
- Designed for fresh air.
- Integrated condensate pump (1000 mm).

+ TECHNOLOGY

- This unit ensures optimal regulation thanks to its electronic expansion valve, which guarantees greater operating precision.
- The unit includes an on/off contact that can be linked to an access card ('room card') to save energy, as well as an alarm contact (synthetic fault) for safety.
- It incorporates a condensate pump for automatic drainage and has a wide operating range of -20°C to 50°C.
- For increased durability, the heat exchangers are treated with Blue Fin to prevent corrosion.
- Its adaptability to the air distribution network is ensured by adjustable static pressure.

OPTIONS

ACCESSOIRE	CODE	VISUEL	FONCTION
Infrared remote control RC21	7ACEL1938		<ul style="list-style-type: none"> • Temperature control, mode selection (Auto, Cool, Heat, Fan), fan speeds, automatic airflow direction (Swing), Silent and Night modes, timer programming, Turbo function, Wi-Fi, self-cleaning and lock.
Touchscreen control panel RWV13	7ACEL1944		<ul style="list-style-type: none"> • 12.5-inch LCD touchscreen with high-definition display (1920x1080) and excellent image quality. • Centralised management of up to 800 indoor units. • Connection of up to 128 LCAC indoor units possible. • Web access with error notifications via email. • Remote control and supervision via PC on local area network (LAN). • Display of floor plans. • Weekly programming. • Checking of outdoor unit settings. • Power consumption management (new feature).
Control unit RWV09	7ACELH038		<ul style="list-style-type: none"> • Reading and operating parameters. • History and display of fault codes. • Weekly programming. • Modbus RTU signal output: can be combined with a Wi-Fi module or third-party device.
ADV06 (mandatory with RWV09)	7ACEL1945		<ul style="list-style-type: none"> • Modbus adapter for BMS.
ADV07 (mandatory with RWV13)	7ACEL1951		<ul style="list-style-type: none"> • Number of controllable indoor units: 64 (centralised controller), 40 (CTB). • Electricity consumption monitoring. • Mandatory connection to RWV13.
TD03	7ACEL1919		<ul style="list-style-type: none"> • Display and recording of all operating parameters.
Wi-Fi module	7ACEL1950		<ul style="list-style-type: none"> • Wi-Fi module for control via Smart Life.

TECHNICAL DATA

INDOOR UNIT		DDHM-035N-09M22	DDHM-050N-09M22	DDHM-070N-09M22	DDHM-090N-09M22	DDHM-100N-09M22	DDHM-140N-09M22	DDHM-160N-09M22
Code		7SP033105	7SP033107	7SP033109	7SP033117	7SP033111	7SP033113	7SP033115
COOLING								
Rated power (min./max.)	kW	3.5 (0.9~4.5)	5.0 (1.8~6.0)	7.1 (2.0~8.2)	9.0 (2.5~10.0)	9.5 (2.5~10.0)	13.4 (4.0~15.0)	16.0 (4.5~16.5)
Rated power	Btu/h	11900	17100	24200	30700.00	32400	45700	54600
Rated power input (min./max.)	kW	1.08 (0.28~1.80)	1.55 (0.55~2.00)	2.10 (0.50~3.00)	2.99 (0.50~4.00)	2.79 (0.50~4.00)	5.00 (1.00~6.00)	5.48 (1.0~6.5)
Energy label		A++	A++	A++	A++	A++	A++	A+
EER		3.23	3.23	3.28	3.01	3.40	2.55	2.92
SEER		6.10	6.10	6.21	6.10	6.20	6.10	5.94
Seasonal power Cooling (35°C)	kW	3.5	5.0	7.1	9.0	9.5	13.4	16.0
Annual energy consumption	kW	215	291	390	498.00	544	820	943
Operating limits	°C	-20~50°						

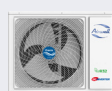

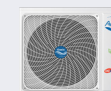

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Rated power (min./max.)	kW	4.0 (1.0~4.8)	6.0 (2.0~6.2)	7.6 (2.5~8.5)	10.0 (3.0~10.5)	10.5 (3.0~12.5)	15.0 (4.5~16.0)	17.0 (5.0~18.0)
Rated power	Btu/h	13600	20500	25600	34100.00	35800	51200	58000
Pdesignh (warmer climate) (2°C)	kW	1.60	3.12	4.45	3.70	5.20	5.00	5.96
Rated power input (min./max.)	kW	1.08 (0.28~1.80)	1.48 (0.60~2.00)	2.00 (0.50~2.60)	2.86 (0.50~4.00)	2.80 (0.50~4.00)	4.10 (1.00~6.00)	4.82 (1.0~6.50)
Annual energy consumption	kW	1020	1782	1800	2535.00	2792	3020	3798
Annual energy consumption (warmer climate)	kW	417	985	1721	1066.00	1587	1276	1665
Energy label		A+	A+	A+	A+	A+	A+	A+
SCOP/Energy label (warmer climate)		5.32/A+++	5.32/A+++	5.32/A+++	4.8/A++	4.8/A++	4.93/A++	5/A++
COP		3.71	3.71	3.80	3.50	3.75	3.30	3.53
SCOP		4.00	4.00	4.20	4.00	4.05	4.00	4.06
Puissance saisonnière (-10°C)	kW	2.7	4.5	5.0	7.0	7.2	8.5	11.0
Operating limits	°C	-20~24°						

INDOOR UNIT		DDHM-035N-09M22	DDHM-050N-09M22	DDHM-070N-09M22	DDHM-090N-09M22	DDHM-100N-09M22	DDHM-140N-09M22	DDHM-160N-09M22
Phase/Voltage/Frequency		1P/220-240V/50-60Hz						
Airflow (TLS/LS/MS/HS)	m³/h	450/600/720/840	550/780/900/1020	880/1050/1260/1400	1000/1250/1400/1550	1240/1360/1480/1600	1500/1780/2160/2500	1500/1780/2160/2500
Pression statique externe	Pa	25 (default/37/50/70/90/100/110/120/130/150)	25 (default/37/50/70/90/100/110/120/130/150)	25 (default/37/50/70/90/100/110/120/130/150)	25 (default/37/50/70/90/100/110/120/130/150)	25/37 (default/50/70/90/100/110/120/130/150)	25/37/50 (default/70/90/100/110/120/130/150)	25/37 (default/50/70/90/100/110/120/130/150)
Sound level (HS)	dB(A)	55	56	58	60	61	66	67
Sound pressure (TLS/LS/MS/HS)	dB(A)	26/28/35/41	28/30/37/43	36/39/41/44	36/39/41/44	37/40/44/47	39/42/45/48	39/42/45/48
Unit dimensions (WxHxD)	mm	700 x248 x700	1100x248x700	1100x248x700	1100x248x700	1100x248x700	1500x248x700	1500x248x700
Package dimensions (WxHxD)	mm	914x318x866	1316x318x866	1316x318x866	1316x318x866	1316x318x866	1711x325x870	1711x325x870
Net weight/Gross weight	kg	26/30	31/35	31/35	38/42	38/42	48/57	48/57

OUTDOOR UNIT		YDAM-035R-09M25	YDAM-050R-09M25	YDAM-070R-09M22	YDAM-090R-09M22	YDAM-100R-09M22	YDAM-140R-09T32	YDAM-160R-09T32
Code		7SP063280	7SP063282	7SP063284	7SP063292	7SP063286	7SP063288	7SP063290
Phase/Voltage/Frequency		1P/220-240V/50Hz			1P/220-240V/50-60Hz		3P/380-415V/50-60Hz	
Airflow (HS)	m³/h	2000	3000	3000	3500	3500	4500	7400
Sound level (HS)	dB(A)	61	63	68	68	68	74	72
Sound pressure (HS)	dB(A)	48	51	54	54	54	58	58
Compressor type		Rotary	Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Unit dimensions (WxHxD)	mm	800x553x280	820x642x306	890x700x340	920x765x372	950x815x370	950x965x370	950x1350x370
Package dimensions (WxHxD)	mm	902x614x375	940x697x390	985x720x430	1036x820x478	1085x850x465	1050x1130x485	1050x1500x485
Net weight/Gross weight	kg	30/32.9	37.8/40.5	37/42	60/65	56/60	68/78	101/116

PIPE LINE		DDHM-035N-09M22	DDHM-050N-09M22	DDHM-070N-09M22	DDHM-090N-09M22	DDHM-100N-09M22	DDHM-140N-09M22	DDHM-160N-09M22
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Gas pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"
Max. length	m	20	25	50	50	50	70	70
Max. height	m	10	15	30	30	30	30	30
Maximum piping length without refrigerant charge	m	7	7	10	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge	kg	0.78	1.1	1.30	1.70	1.70	2.50	3.5
Additional charge	g/m	20	20	45	45	45	45	60

MATCHING

INDOOR UNITS	DDHM-035N/050N	DDHM-070N	DDHM-90N	DDHM-100N	DDHM-140N	DDHM-160N
COMPATIBLE WITH MONOSPLIT OUTDOOR UNIT	 YDAM-035/050	 YDAM-070	 YDAM-090	 YDAM-100	 YDAM-140	 YDAM-160