

NEW

CDHM 360° cassette

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



RC21 included

+ PRODUCT

- DC Inverter
- RC21 remote control included
- Integrated condensate pump
- Fresh air supply
- Dry contact available
- 4-way diffusion (3.5 and 5 kW)
- 360° diffusion with increased range

Connectivity



SMART LIFE

Technology



ELECTRONIC EXPANSION VALVE



4D AIRFLOW



MULTIFLOW 360°



ENGINEER MODE ON REMOTE CONTROL



PRESENCE DETECTION (OPTIONAL)



BLUE FIN TREATMENT EXCHANGERS



COOLING MODE OPERATIONAL UP TO 50°C OUTDOOR

Air quality



STANDARD 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:



CDHM 035N-050N



CDHM 070N-100N-140N-160N

+ SUSTAINABLE DEVELOPMENT

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

+ USER

- Air renewal, thanks to its fresh air supply.
- Multiple connectable applications, thanks to the dry contact: room card, optional presence detection.
- “Gentle breeze” mode.

+ INSTALLER

- Easy integration into false ceilings thanks to its small footprint.
- Easy installation with an integrated condensate pump (elevation up to 1000 mm).
- Special mode for high ceilings, up to 4.5 m.
- Refrigeration length up to 70 m to suit the installation.

+ TECHNOLOGY

- This unit ensures precise control and energy savings thanks to its electronic expansion valve, which guarantees optimal regulation.
- For energy efficiency, an on/off contact is included to be connected to an external solution such as a ‘room card’.
- Installation and maintenance are simplified by the included condensate pump for automatic drainage.
- The unit is durable thanks to the Blue Fin treatment applied to the heat exchangers (internal and external), providing protection against corrosion.
- An alarm contact (synthesis fault) is included for installation safety.
- Wide operating range from -20°C to 50°C.



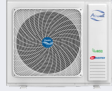


OPTIONS

ACCESSORY	CODE	PICTURE	FUNCTION
Wired remote control RWW11	7ACELH039		• On/off, set temperature adjustment, fan speed selection, operating mode selection and air flow adjustment.
Touchscreen control panel RWW13	7ACEL1944		• 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 RWW09	7ACELH038		• 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 RWW09)	7ACEL1945		• Modbus adapter for BMS.
ADV07 (mandatory with RWW13)	7ACEL1951		• Number of controllable indoor units: 64 (centralised controller), 40 (GTB). • Electricity consumption monitoring. • Mandatory connection to RWW13.
TD03	7ACEL1919		• Display and recording of all operating parameters.

TECHNICAL DATA

INDOOR UNIT		CDHM-035N-09M22	CDHM-050N-09M22	CDHM-070N-09M22	CDHM-100N-09M22	CDHM-140N-09M22	CDHM-160N-09M22
Code		7SP042310	7SP042312	7SP042314	7SP042316	7SP042318	7SP042320
COOLING							
Rated power (min./max.)	kW	3.5 (0.9~4.5)	5.0 (1.8~5.8)	7.1 (2.0~8.2)	9.5 (2.5~10.0)	13.4 (3.5~14.0)	15.0 (4.5~16.0)
Rated power	Btu/h	12000	17000	24200	32400	45700	51200
Rated power input (min./max.)	kW	1.06 (0.28~1.80)	1.53 (0.55~2.00)	2.20 (0.50~4.00)	2.79 (0.50~4.00)	5.51 (1.00~6.50)	5.03 (1.00~6.50)
Energy label		A++	A++	A++	A++	A+	A+
EER		3.31	3.26	3.23	3.40	2.54	2.98
SEER		6.10	6.10	6.10	6.20	5.62	5.96
Seasonal power (35°C)	kW	3.5	5	7.1	9.5	13.40	15.00
Annual energy consumption	kW	222	363	406	544	838	880
Operating limits	°C	-20~50°					
HEATING							
Rated power (min./max.)	kW	4.0 (1~4.8)	5.5 (2~6.5)	7.9 (2.5~8.5)	10.5 (3.0~12.5)	15.0 (4.0~15.5)	16.0 (5.0~17.0)
Rated power	Btu/h	13700	18800	27000	35800	51200	54600
Pdesignh (warmer climate) (2°C)	kW	1.60	3.12	4.45	5.20	5.00	6.01
Rated power input (min./max.)	kW	1.08 (0.28~1.80)	1.52 (0.6~2.00)	2.13 (0.50~4.00)	2.83 (0.50~4.00)	5.77 (1.00~6.50)	5.26 (1.00~6.50)
Annual energy consumption	kW	1427	1932	1831	2792	3032	3859
Annual energy consumption (warmer climate)	kW	417	985	1721	1900	1276	1707
Energy label		A	A+	A+	A+	A+	A
SCOP/Energy label (warmer climate)		5.32/A+++	5.32/A+++	5.32/A+++	4.80/A++	4.93/A++	4.39/A++
COP		3.71	3.42	3.72	3.71	2.63	3.04
SCOP		3.80	4.00	4.00	4.05	4.00	3.99
Seasonal power (-10°C)	kW	3.0	4.0	5.0	7.2	8.5	11.0
Operating limits	°C	-20~24°					
INDOOR UNIT							
Phase/Voltage/Frequency		1P/220-240V/50-60Hz					
Airflow (TLS/LS/MS/HS)	m³/h	350/450/520/620	400/500/620/700	700/900/1100/1260	1250/1550/1750/1920	1250/1480/1650/1950	1300/1650/1950/2050
Sound level (HS)	dB(A)	52	55	57	62	64	65
Sound level (TLS/LS/MS/HS)	dB(A)	27/30/33/36	32/35/37/42	35/38/40/42	34/38/42/45	34/38/44/47	34/38/44/48
Unit dimensions (WxHxD)	mm	570x260x570	570x260x570	840x204x840	840x246x840	840x288x840	840x288x840
Package dimensions (WxHxD)	mm	718x380x680	718x380x680	978x269x978	978x269x978	978x353x978	978x353x978
Net weight/Gross weight	kg	18.5/22	19/22	23/28	24/31	27/33	27/33
PANEL							
Unit dimensions (WxHxD)	mm	620x60x620	620x60x620	950x50x950	950x50x950	950x50x950	950x50x950
Package dimensions (WxHxD)	mm	660x115x660	660x115x660	1013x125x1035	1013x125x1035	1013x125x1035	1013x125x1035
Net weight/Gross weight	kg	2.8/4.5	2.8/4.5	5.5/8.5	5.5/8.5	5.5/8.5	5.5/8.5
Panel code - White		7ACVF0601	7ACVF0601	7ACVF0613	7ACVF0613	7ACVF0613	7ACVF0613
Panel code - Black		-	-	7ACVF0615	7ACVF0615	7ACVF0615	7ACVF0615
OUTDOOR UNIT							
		YDAM-035R-09M25	YDAM-050R-09M25	YDAM-070R-09M22	YDAM-100R-09M22	YDAM-140R-09T32	YDAM-160R-09T32
Code		7SP063280	7SP063282	7SP063284	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	4500	7400
Sound level (HS)	dB(A)	61	63	68	68	74	72
Sound level (LS)	dB(A)	48	51	54	54	58	58
Compressor type		Rotary	Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Unit dimensions (WxHxD)	mm	800x553x280	820x642x306	890x700x340	950x815x370	950x965x370	950x1350x370
Package dimensions (WxHxD)	mm	902x614x375	940x697x390	985x720x430	1085x850x465	1050x1130x485	1050x1500x485
Net weight/Gross weight	kg	30/32.9	37.8/40.5	37/42	56/60	68/78	101/116
PIPE LINE							
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Gas pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	3/4"
Max. length	m	20	25	50	50	70	70
Max. height	m	10	15	30	30	30	30
Maximum piping length without refrigerant charge	m	7	7	10	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Refrigerant loading factors	kg	0.78	1.1	1.30	1.70	2.50	3.50
Refrigerant charge quantity for extra length	g/m	20	20	45	45	45	60

MATCHING

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