

**+ PRODUCT**

- RC21 remote control included
- Antibacterial filter
- UVC sterilisation
- Vertical airflow up to 135° and horizontal airflow up to 160°

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



ERROR CODE VIA INDOOR UNIT



AUTO-DIAGNOSTIC



LEFT/RIGHT DRAIN CONNECTION



ALARM OUTPUT



DRY CONTACT ON/OFF



BMS COMPATIBLE



ENERGY CONSUMPTION CONTROL



COOLING MODE ONLY

**CERTIFICATION**

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)



- Tested according to international standards:



NEW

**SDHM**  
Floor standing



RC21 included

**+ SUSTAINABLE DEVELOPMENT**

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

**+ USER**

- Wide diffusion angle, allowing vertical airflow up to 135° and horizontal airflow up to 160°.
- Solution suitable for large volumes.

**+ INSTALLER**

- Suitable for large volumes.
- Fresh air supply.

**+ 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 has a wide operating range of -20° to 50°C.
- For increased durability, the heat exchangers are treated with Blue Fin to prevent corrosion.

**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		SDHM-100N-09M22	SDHM-140N-09M22
Code		7SP101065	7SP101067
<b>COOLING</b>			
<b>Rated power (min./max.)</b>	<b>kW</b>	<b>9.5 (2.5-10.0)</b>	<b>13.4 (3.5-14.0)</b>
Rated power	Btu/h	32400	45700
Rated power input (min./max.)	kW	3.94 (0.50-4.00)	5.25 (1.00-6.50)
Energy label		<b>A++</b>	<b>A++</b>
EER		3.23	2.55
SEER		6.10	6.10
Seasonal power (35°C)	kW	9.5	13.4
Annual energy consumption	kW	531	837
Operating limits	°C	-20~50°	



<b>HEATING</b>			
<b>Rated power (min./max.)</b>	<b>kW</b>	<b>10.5 (3.0-11.0)</b>	<b>15.0 (4.0-15.5)</b>
Rated power	Btu/h	35800	51200
Pdesignh (warmer climate) (2°C)	kW	4.20	4.59
Rated power input (min./max.)	kW	2.83 (0.50-4.00)	4.55 (1.00-6.50)
Annual energy consumption	kW	2523	3018
Annual energy consumption (warmer climate)	kW	1100	1327
Energy label		<b>A+</b>	<b>A+</b>
SCOP/Energy label (warmer climate)		<b>4.8/A++</b>	<b>4.8/A++</b>
COP		3.71	3.50
SCOP		4.10	4.00
Seasonal power (-10°C)	kW	7.5	8.5
Operating limits	°C	-20~24°	

<b>INDOOR UNIT</b>			
Phase/Voltage/Frequency		1P/220-240V/50-60Hz	
Airflow (LS/MS/HS)	m³/h	1400/1600/1800	1400/1600/1900
Sound level (HS)	dB(A)	65	67/65/60/57/55
Sound pressure (LS/MS/HS)	dB(A)	44/47/52	55/52/47/44/42
Unit dimensions (WxHxD)	mm	620x1880x400	620x1880x400
Package dimensions (WxHxD)	mm	694x1954x480	694x1954x480
Net weight/Gross weight	kg	47/57	47/57

<b>OUTDOOR UNIT</b>		<b>YDAM-100R-09M22</b>	<b>YDAM-140R-09T32</b>
Code		7SP063286	7SP063288
Phase/Voltage/Frequency		1P/220-240V/50-60Hz	3P/380-415V/50-60Hz
Airflow (HS)	m³/h	3500	4500
Sound level (HS)	dB(A)	68	74
Sound pressure (HS)	dB(A)	54	58
Compressor type		Twin Rotary	Twin Rotary
Unit dimensions (WxHxD)	mm	950x815x370	950x965x370
Package dimensions (WxHxD)	mm	1085x850x465	1050x1130x485
Net weight/Gross weight	kg	56/60	68/78

<b>PIPE LINE</b>			
Liquid pipe diameter	inches	3/8"	3/8"
Gas pipe diameter	inches	5/8"	5/8"
Max. length	m	50	70
Max. height	m	30	30
Maximum piping length without refrigerant charge	m	30	30
<b>Refrigerant/GWP</b>		<b>R32/675</b>	<b>R32/675</b>
Charge	kg	1.70	2.50
Additional charge	g/m	45	45

## MATCHING

INDOOR UNITS	SDHM-100N	SDHM-140N
<b>COMPATIBLE WITH MONOSPLIT OUTDOOR UNIT</b>	 YDAM-100	 YDAM-140