

DC Inverter  
Cooling & Heating

# FWDB FLOOR CEILING MONOSPLIT FOR LOW TEMPERATURE ROOMS

Floor ceiling



## + PRODUCTS

- Application for wine cellar, garbage room, preparation rooms...
- Cooling and heating mode.



RCW6  
(included)

## FEATURES

### TECHNOLOGY:



DC INVERTER



R410A FLUID



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

### AIR QUALITY/CLEAN:



AIR FILTER



FRESH AIR

### USER FUNCTIONS:



NIGHT MODE



PROGRAMMABLE TIMER



RESTART

AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK

### INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN CONNECTION



ALARM OUTPUT



DRY CONTACT ON/OFF



WATER PUMP CONNECTION (OPTIONAL)



BMS COMPATIBLE



SERVICE MONITOR TOOL



- Designed for local low temperature: 12°C minimum.
- Long blowing distance (up to 11 m).
- Guaranteed energy saving through weekly programming.



DEDICATED DESIGN FOR WINE CELLARS OR ANY LOW TEMPERATURE PROCESS ROOMS

## OPTIONS

Accessory	Part number	Photo	Function
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Water pump Mini Flowwatch MF2	7ACTL0517		Evacuate condensates from indoor units.



## FWDB TECHNICAL DATA

Indoor unit		AWSI-FWDB018-N11	AWSI-FWDB024-N11
Outdoor unit		AWAU-YMDB018-H11	AWAU-YMDB024-H11
Phase		Single phase	Single phase
<b>COOLING</b>			
Rated power (min./max.)	kW	5.1 (0.8-6.1)	6.8 (1.2-8.2)
Pdesignc	kW	5.1	6.8
Rated power input	kW	1.579	2.252
SEER/Energy label		6.5/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb	
<b>HEATING</b>			
Rated power (min./max.)	kW	5.6 (0.9-7.0)	7.5 (1.2-8.6)
Pdesignh (average climate)	kW	4.8	5.8
Pdesignh (warmer climate)	kW	5.2	5.8
Rated power input	kW	1.466	2.072
SCOP/Energy label (average climate)		4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb	
<b>INDOOR UNIT</b>			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38/41/44	44/49/52
Sound power level	dB(A)	57	63
Airflow (LS/MS/HS)	m³/h	700/800/900	850/1050/1180
Dehumidification	l/h	1.5	2.2
Outline dimensions (WxHxD)	mm	1068x235x675	1068x235x675
Package dimensions (WxHxD)	mm	1145x313x755	1145x313x755
Net weight/Gross weight	kg	25.8/30.6	25/30
Part number		7SP012246	7SP012247
<b>OUTDOOR UNIT</b>			
Sound pressure level to 1 m	dB(A)	54	60
Sound power level	dB(A)	65	65
Airflow	m³/h	2100	2700
Compressor type		Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	920x615x390	965x765x396
Net weight/Gross weight	kg	35.5/38.4	49/51.5
Part number		7SP062924	7SP062925
<b>POWER SUPPLY</b>			
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.0+3x2.5	3x1.0+3x2.5
Fuse rating am (D curve)	A	10+16	10+25
Electrical connections	mm²	2x0.5	2x0.5
<b>PIPE LINE</b>			
Suction pipe diameter	inches	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"
Max. length	m	30	50
Max. height	m	20	25
Refrigerant/GWP		R410A/2088	R410A/2088
Charge	kg	1.78	1.95
Additional charge	g/m	15	30

New model available in June 2019.

## COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor ceiling	Monosplit
FWDB	YMDB
	