

DC Inverter  
Cooling & heating

# CDM

## CASSETTE MONOSPLIT & MULTISPLIT

Cassette



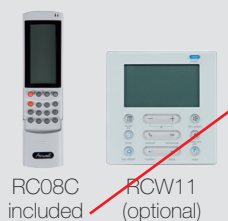
600x600 and 900x900

A<sup>++</sup>

NEW

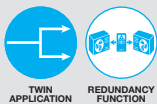
### + PRODUCTS

- 360° flow.
- Twin application.
- Water pump included.
- G1 filter.



### FEATURES

#### TECHNOLOGY:



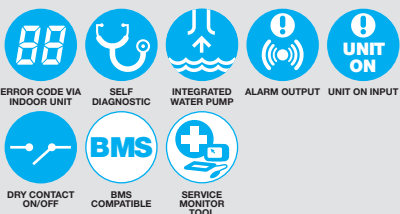
#### AIR QUALITY / CLEAN:



#### USER FUNCTIONS:



#### INSTALLER FUNCTIONS:



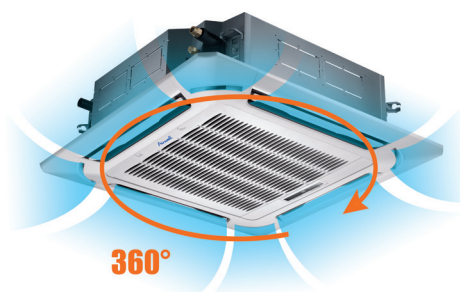
CDM 009-012-018

CDM 024-036-048



- Comfort "I Feel": temperature sensor in RC08C remote control.
- Compatible with a centralized remote control.
- Interface dedicated to the installer for commissioning and maintenance (RC08C).
- Reduced energy consumption using the heat mode alone.
- Inventory optimization thanks to a multi-range outdoor unit (YDFA).

#### 360 DEGREE FLOW WITH ROUND CORNERS



### OPTIONS

Accessory	Part number	Photo	Function
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool for high wall	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.



## CDM TECHNICAL DATA

Indoor unit		AW-CDM012-N91	AW-CDM018-N91	AW-CDM024-N91	AW-CDM036-N91	AW-CDM036-N91	AW-CDM048-N91
Outdoor units		AW-YDFA012-H91	AW-YDFA018-H91	AW-YDFA024-H91	AW-YDFA036-H91	AW-YDFA036-H93	AW-YDFA048-H93
Phase		Single phase	Single phase	Single phase	Single phase	Three phase	Three phase
<b>COOLING</b>							
Rated power (min./max.)	kW	3.52 (1.52-5.38)	5.28 (2.9-5.45)	7.03 (2.23-8.21)	10.55 (2.64-12.02)	10.55 (2.64-12.02)	14.00 (4.76-14.58)
Pdesignc	kW	3.52	5.3	7.03	10.5	10.5	14
Rated power input	kW	0.850	1.633	2.190	3.750	3.950	5.130
SEER/Energy label		7.8/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb					
<b>HEATING</b>							
Rated power (min./max.)	kW	4.4 (1.03-5.57)	5.42 (2.37-6.1)	7.62 (2.43-8.65)	11.14 (2.93-13.19)	11.14 (2.93-13.19)	16.1 (3.93-16.77)
Pdesignh (average climate)	kW	3.1	4.2	5.4	8.8	8.1	11.2
Pdesignh (warmer climate)	kW	3.5	5.3	5.9	10.5	10.5	12.2
Rated power input	kW	1.100	1.460	2.050	2.960	3.000	5.050
SCOP/Energy label (average climate)		4.6/A++	4/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)		5.1/A+++	4.9/A++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb					
Power @ -10°C	kW	3.56	4.39	6.17	8.99	8.99	13.04
Power @ -15°C	kW	2.90	3.58	5.03	7.33	7.33	10.63
<b>INDOOR UNIT</b>							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	33/36/41	35/39/42	40/43/47	46/49/52	46/49/52	49/50/52
Sound power level	dB(A)	56	56	59	61	61	65
Airflow (LS/MS/HS)	m³/h	416/504/617	540/625/720	1032/1200/1378	1438/1620/1775	1438/1620/1775	1381/1568/1715
Dehumidification	l/h	1.5	2	3	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	840x205x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	662x317x662	662x317x662	900x225x900	900x265x900	900x265x900	900x292x900
Net weight/Gross weight	kg	16.2/21.4	16.2/21.4	23/27	27.5/31	27.5/31	29/32.7
Part number		7SP042262	7SP042263	7SP042264	7SP042265	7SP042265	7SP042266
<b>FRAME</b>							
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8
Frame part number		7ACVF0566	7ACVF0566	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
<b>OUTDOOR UNIT</b>							
Sound pressure level to 1 m	dB(A)	55	55	62	65	64	66
Sound power level	dB(A)	62	62	66	68	68	72
Airflow	m³/h	2000	2000	2700	4000	4000	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415
Package dimensions (WxHxD)	mm	920x625x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495
Net weight/Gross weight	kg	34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9
Part number		7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055
<b>POWER SUPPLY</b>							
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5+3x2.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+3x4	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	10+16	10+25	10+30	10+20	10+25
Electrical connections	mm²	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
<b>PIPE LINE</b>							
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65
Max. height	m	10	20	25	30	30	30
Refrigerant / GWP		R32 / 675					
Charge (5 m)	kg	0.87	1.15	1.5	2.4	2.4	2.8
Additional charge	g/m	12	12	24	24	24	24

## COMBINATIONS

Indoor unit Cassette	Compatible with outdoor unit	
	Monosplit	Multisplit
CDM 12 	YDFA 	YDZC 

Indoor unit Cassette	Compatible with outdoor unit Monosplit
	CDM 18-24-36 
CDM 48 	YDFA 48 