



DC Inverter
Cooling & heating

DDM DUCTED MEDIUM STATIC PRESSURE



DDM 012



DDM 018-060



Λειτουργίες

RCW11 Ασύρματο Control
Χαμηλό Ύψος (200mm)
Dry Contact
Ενσωματωμένη Αντλία
Συμπυκνωμάτων
Συνεχόμενη Ροή Αέρα
Δυνατότητα για Παροχή
Φρέσκου Αέρα

Χαρακτηριστικά

Τεχνολογικά:



Καθαρότητα Αέρα:



Λειτουργίες Χρήστη:



Λειτουργίες Εγκατάστασης:



CERTIFICATION

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



Υψηλή Ενεργειακή Απόδοση
A++ (Ψύξη)/A+ (Θέρμανση)
Μηδενικά Επίπεδα Ήχου
Διακριτικός Σχεδιασμός
Ιδανικός για Κάθε Χώρο
Τεχνολογία Golden Fin



ΕΠΙΛΟΓΕΣ

Accessory	Part number	Photo	Function/Description
Wireless controller RC08C	7ACEL1740		Timer, eco mode, "Follow me" option, swing, technician mode, heating only mode.
Wired control RCW28	7ACEL1876		Controls up to 16 units.
Adapter card for RCW28	7ACEL1776		Adapter card for RCW28.
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
LCAC WiFi Accessory	7ACEL1883		Accessory for remote control in WiFi.
Insulated air duct plenum	7ACVF0136		3 ducts DN160. For DDM 12-18.
	7ACVF0137		3 ducts DN 180. For DDM 24.
	7ACVF0138		3 ducts DN 180. For DDM 36.
	7ACVF0139		3 ducts DN 180. For DDM 48-60.

Airwell
Just feel well

Η Ιδανική Θερμοκρασία σε κάθε χώρο.

- Air/air heat pump: **control up to 6 zones** in heating and cooling mode.
- The air dampers modify their position (from 0 to 100%) in accordance with the thermostat of each room, which **maintains the desired comfort temperature**.
- Each zone has an **independent remote control** equipped with the "I Feel" system, used to control the ambient temperature and the on/off switch.
- **Invisible** air conditioning and heating solution for the whole house.
- **Low cost** system (1 single indoor unit).

Παράδειγμα Εγκατάστασης Συστήματος Wellzone σε 4 Χώρους



Σύστημα Εισαγωγής -
Εξαγωγής Αέρα



Περσίδες Εισαγωγής -
Εξαγωγής Αέρα



Αεραγωγοί



Control Ελέγχου
Συστήματος



Θερμοστάτες

DDM TECHNICAL DATA

Indoor unit		AW- DDM012-N91	AW- DDM019-N91	AW- DDM024-N91	AW- DDM036-N91	AW- DDM036-N91	AW- DDM048-N91*	AW- DDM060-N91*
Outdoor unit R32		AW- YDFA012-H91	AW- YDFA019-H91	AW- YDFA024-H91	AW- YDFA036-H91	AW- YDFA036-H93	AW- YDFA048-H93	AW- YDFA060-H93
Phase		Single phase	Single phase	Single phase	Single phase	Three phase	Three phase	Three phase
COOLING								
Rated power (min./max.)	KW	3.93 (1.50-4.75)	5.30 (1.49-5.89)	7.05 (2.28-8.19)	10.50 (4.04-12.02)	10.50 (4.04-12.02)	14.18 (4.26-15.19)	15.24 (5.89-17.29)
Pdesignhc	KW	3.50	5.30	7.00	10.50	10.50	14.00	15.40
Rated power input	KW	0.95	1.83	2.19	4.18	4.02	5.15	5.42
SEER/Energy label		5.5/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power (min./max.)	KW	4.10 (2.97-5.09)	5.94 (2.2-6.19)	7.60 (2.72-8.73)	11.10 (2.81-13.19)	11.10 (2.81-13.19)	15.70 (3.7-18.02)	18.17 (4.89-20.52)
Pdesignhh (average climate)	KW	3.20	4.60	5.10	8.40	8.50	12.00	12.50
Pdesignhh (warmer climate)	KW	3.70	5.30	6.10	10.50	10.50	12.50	13.10
Rated power input	KW	1.10	1.51	1.84	3.10	3.00	4.28	5.33
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)		5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.0/A++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb						
Power @ -10°C	KW	3.92	4.47	6.32	9.17	9.11	11.78	13.96
Power @ -15 °C	KW	3.67	4.18	5.92	8.59	8.54	11.02	13.07
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/31/35	33/38/42	38/40/42	39/42/45	40/43/50	48/50/51	51/52/54
Sound power level	dB(A)	58	59	62	62	63	68	71
Airflow (LS/MS/HS)	m³/h	300/480/800	350/650/880	839/1054/1248	750/1150/1400	750/1150/1400	1880/2040/2400	1820/2210/2600
External static pressure (standard/max.)	Pa	25 (0-80)	25 (0-100)	25 (0-160)	37 (0-160)	37 (0-160)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2.0	3.0	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x200x506	890x210x674	1100x248x774	1360x248x774	1360x248x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x285x540	1070x290x725	1305x305x905	1570x305x905	1570x305x905	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18/22	24.3/29.8	31.5/38.9	40.5/48.5	40.5/48.5	47.8/55.8	47.8/55.8
Part number		7SP033031	7SP033032	7SP033033	7SP033034	7SP033034	7SP033035	7SP033036
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	58	55	61	63	64	68	64
Sound power level	dB(A)	62	62	66	68	68	72	74
Airflow	m³/h	2000	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x815x390	920x815x390	965x785x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	61.5/67.0	106.7/119.9	111.3/124.3
Part number		7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055	7SP063056
POWER SUPPLY								
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz
Power supply side		Outdoor	Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	18	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.5	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	Inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	Inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65	65
Max. height	m	10	20	25	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.87	1.15	1.5	2.4	2.4	2.8	2.95
Additional charge	g/m	12	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		AWAU- YMD012-H11	AWAU- YMD019-H11	AWAU- YMD024-H11	AWAU- YMD036-H11	-	AWAU- YMD048-H11	AWAU- YMD060-H11
Part number		7SP062970	7SP062972	7SP062993	7SP062995	-	7SP062999	7SP062900

* Technical specifications - See R410A documentation. Within the limits of available stocks.

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Ducted	Monosplit	Multisplit
DDM 12 & 18	YDFA	YD2C
DDM 24 & 36	YDFA	
DDM 48 & 60	YDFA	

Option 1: Your all inclusive solution

Reference	Description	Compatibility	Part number
1 WELLZONE 3V	Control up to 3 zones	DDM 12-24	7ACEL1805
2 WELLZONE 4V	Control up to 4 zones	DDM 12-24	7ACEL1806
3 WELLZONE 4V-5S	Control up to 4 zones with 5 outputs	DDM 24-60	7ACEL1807
4 WELLZONE 5V	Control up to 5 zones	DDM 24-60	7ACEL1808
5 WELLZONE 6V	Control up to 6 zones	DDM 24-60	7ACEL1809

	1 WELLZONE 3V	2 WELLZONE 4V	3 WELLZONE 4V-5S	4 WELLZONE 5V	5 WELLZONE 6V
Description	Quantity	Quantity	Quantity	Quantity	Quantity
Supply air plenum	1	1	1	1	1
Thermostat	3	4	4	5	6
Control system gateway	1	1	1	1	1
Servomotors	3	4	5	5	6
Return plenum	1	1	1	1	1
400x150 grille	1	2	2	2	3
250/200 reducer	-	-	2	2	1
250/160 reducer	-	-	-	-	3
400x150 plenum	1	2	2	2	3
300x150 grille	2	2	3	3	3
300x150 plenum	2	2	3	3	3
600x400 return grille	1	1	2	2	2
600x400 return plenum*	1	1	2	2	2
10-m duct Ø160	2	2	3	3	3
10 m duct Ø200	2	3	4	4	5
10 m duct Ø250	1	1	2	2	2

* Ø2x200, Ø1x250.

Option 2: Create your Wellzone

Take only the key items of your Wellzone pack
(see table below), duct, grilles and plenum not included.

The most
economical solution

CONTENTS OF A CONTROL SYSTEM PACK



Supply air plenum
+ actuators



Control system
gateway



Thermostats

Reference	Description	Compatibility	Part number
PACK WZ 3V	A x 1 / B x 1 / C x 3	DDM 12-24	7ACEL1810
PACK WZ 4V	A x 1 / B x 1 / C x 4	DDM 12-24	7ACEL1811
PACK WZ 4V-5S	A x 1 / B x 1 / C x 4	DDM 24-60	7ACEL1812
PACK WZ 5V	A x 1 / B x 1 / C x 5	DDM 24-60	7ACEL1813
PACK WZ 6V	A x 1 / B x 1 / C x 6	DDM 24-60	7ACEL1814
PLENUM 3S 1100 DDM 12-24	Return plenum	DDM 12-24	7ACEL1822
PLENUM 4S 1050 DDM 12-24	Return plenum	DDM 12-24	7ACEL1823
PLENUM 6S 1500 DDM 12-60	Return plenum	DDM 12-60	7ACEL1824