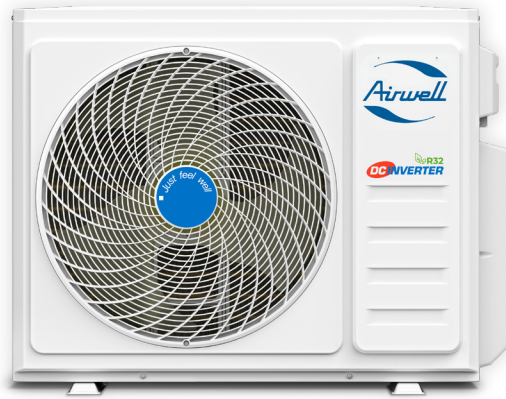


NEW

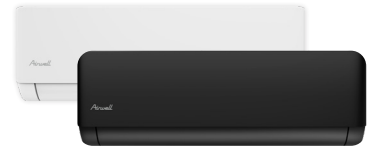
# ZDAS Multisplit

FROID **A++** CHAUD **A+** FLUIDE **R32**



COMPATIBLE WITH:

High wall HDLS 25/35/50



**+ PRODUCT**

- Flexy Match: compatible with a wide range of units for greater installation flexibility
- Up to 60 m total refrigerant piping length for extended installation reach
- Electronic expansion valve for precise control and optimized performance

Technology



BLUE FIN TREATMENT EXCHANGER

User functions



REFRIGERANT LEAKAGE DETECTOR



AUTO RESTART (MEMORY)



OPERATOR MODE (B/O)

Installer functions



AUTO-DIAGNOSTIC

CERTIFICATION

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

[www.eurovent-certification.com](http://www.eurovent-certification.com)



**+ SUSTAINABLE DEVELOPMENT**

- Low-environmental-impact R32 refrigerant.
- High-efficiency Inverter technology for reduced energy consumption.
- Heating performance maintained through intelligent defrost control.
- Designed for responsible energy use.

**+ USER**

- Precise year-round thermal comfort.
- Automatic operation with built-in protections.
- Washable filters for healthier air and easy maintenance.
- Self-diagnostics for quick fault detection.

**+ INSTALLER**

- Safe installation with leak testing and full system checks.
- Flexible multi-zone solution with optimized piping lengths.
- Reliable vacuuming and commissioning procedure.
- Easy component access for fast servicing.

**+ TECHNOLOGY**

- Stable, high-performance and energy-efficient Inverter technology.
- Multisplit system: multiple rooms, one outdoor unit.
- Intelligent heating and defrost management.
- Reliable operation across a wide outdoor temperature range.

OPTIONS

ACCESSORY	PART NUMBER	PICTURE	FUNCTION
Wired remote controller RCW34	7ACEL1939		• Weekly timer, mode, fan speed, on/off timer, "I Feel" function, temperature control.
Wi-Fi key	7ACEL1954		• To monitor and control the units remotely.

COMPATIBLE INDOOR UNIT

INDOOR UNIT - WHITE		HDLS-025N-09M25	HDLS-035N-09M25	HDLS-050N-09M25
Code		7SP024100	7SP024101	7SP024102
INDOOR UNIT - BLACK		HDLS-025N-09M25-BK	HDLS-035N-09M25-BK	HDLS-050N-09M25-BK
Code		7SP024140	7SP024141	7SP024142
Phase		Single-phase	Single-phase	Single-phase
Cooling rated power	kW	2.50	3.52	5.05
Heating rated power	kW	2.75	3.76	5.11
Sound pressure level at 1 m (LS/MS/HS)	dB(A)	26/32/38	27/33/39	31/37/43
Sound level	dB(A)	54	55	59
Airflow (LS/MS/HS)	m <sup>3</sup> /h	390/460/530	390/480/580	540/630/760
Dehumidification	L/h	1	1.5	1.8
Unit dimensions (WxHxD)	mm	778x272x192	811x305x195	910x305x195
Package dimensions (WxHxD)	mm	840x335x255	880x378x265	979x380x265
Net weight/Gross weight	kg	7.3/9.5	8.3/11	9/11

TECHNICAL DATA

OUTDOOR UNIT		ZDAS-2050-09M25		ZDAS-3080-09M25		
Code		7SP091222		7SP091223		
Phase		Single-phase		Single-phase		
COOLING						
Rated power (min./max.)	kW	5.1 (1.23/5.6)		7.9 (2.8/8.8)		
Pdesignc	kW	5.1		7.9		
Rated power input/EER	kW	1.545/3.30		2.445/3.23		
SEER/Energy label	kW	6.1/A++		6.1/A++		
Operating limits	°C	(-15) to 53		(-15) to 53		
HEATING						
Rated power (min./max.)	kW	5.2 (1.29/5.75)		7.96 (2.45/8.8)		
Pdesignh (average climate)	kW	4.0		5.6		
Pdesignh (warmer climate)	kW	4.0		5.7		
Rated power input/COP	kW	1.333/3.9		2.145/3.71		
SCOP/Energy label (average climate)	kW	4.0/A+		4.0/A+		
SCOP/Energy label (warmer climate)	kW	4.6/A++		4.6/A++		
Power at -7°C	kW	-		-		
Power at -10°C	kW	-		-		
Power at -15°C	kW	-		-		
Operating limits	°C	(-20) to 30		(-20) to 30		
INDOOR UNIT						
Sound pressure level at 1 m	dB(A)	55		57		
Sound level	dB(A)	65		67		
Airflow	m³/h	2600		3000		
Compressor type		Rotary		Twin Rotary		
Unit dimensions (WxHxD)	mm	853x602x349		920x699x380		
Package dimensions (WxHxD)	mm	890x628x385		960x732x400		
Net weight/Gross weight	kg	31/33		42/45		
POWER SUPPLY						
Phase/Voltage/Frequency		1/220-240V/50Hz		1/220-240V/50Hz		
Power supply side		Outdoor		Outdoor		
Power cable section	mm²	3G1.5		3G2.5		
Electrical protection	A	16		20		
Electrical connections in/out	mm²	2x4G1		3x 4G1		
PIPE LINE						
Gas pipe diameter	inches	2x3/8"		3x 3/8"		
Liquid pipe diameter	inches	2x1/4"		3x 1/4"		
Max. length per circuit	m	40		60		
Max. height	m	25		30		
Max. height between indoor and outdoor unit	Outdoor unit higher than indoor unit	m	15		15	
	Outdoor unit lower than indoor unit	m	15		15	
Max. height between indoor units	m	10		10		
Refrigerant/GWP						
		R32/675		R32/675		
Charge	kg	1.1		1.5		
Factory pre-charged pipe length	m	10		15		
Additional charge	g/m	15		15		

ZDAS-2050 MULTISPLIT DUO

INDOOR UNIT COMBINATION	COOLING										HEATING									
	Rated power (kW)		Total power (kW)			Total input power (kW)			EER	SEER/Energy label	Rated power (kW)		Total power (kW)			Total input power (kW)			COP	SCOP/Energy label
	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.			Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.		
25	2.60		1.20	2.60	3.00	0.25	0.36	0.88	3.33	6.1/A++	2.65		1.20	2.65	3.30	0.20	0.70	0.85	3.80	4/A+
35	3.50		1.20	3.50	3.80	0.25	0.36	1.10	3.37	6.1/A++	3.65		1.20	3.65	4.18	0.20	0.95	0.93	3.83	4/A+
25 + 25	2.60	2.60	1.23	5.20	5.60	0.28	0.37	2.05	3.29	6.1/A++	2.60	2.60	1.29	5.20	5.75	0.25	1.33	2.05	3.91	4/A+
25 + 35	2.30	3.00	1.23	5.30	5.80	0.28	0.37	2.05	3.29	6.1/A++	2.26	3.01	1.29	5.27	5.85	0.25	1.38	2.05	3.82	4/A+
35 + 35	2.65	2.65	1.95	5.30	5.90	0.30	0.59	2.25	3.29	6.1/A++	2.68	2.68	1.95	5.36	5.90	0.35	1.43	2.15	3.75	4/A+
25 + 50	1.80	3.60	2.05	5.40	6.20	0.35	0.63	2.35	3.23	6.1/A++	1.89	3.79	2.10	5.68	6.30	0.50	1.53	2.20	3.71	4/A+

ZDAS-3080 MULTISPLIT TRIO

INDOOR UNIT COMBINATION	COOLING										HEATING											
	Rated power (kW)			Total power (kW)			Total input power (kW)			EER	SEER/Energy label	Rated power (kW)			Total power (kW)			Total input power (kW)			COP	SCOP/Energy label
	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.			Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.		
25 + 25	2.80	2.80		2.80	5.60	8.80	0.30	1.71	1.90	3.27	6.1/A++	2.80	2.80		2.45	5.60	6.16	0.35	1.40	2.00	3.99	4/A+
25 + 35	2.74	3.66		2.80	6.40	8.80	0.30	1.95	2.22	3.28	6.1/A++	2.74	3.66		2.45	6.40	7.04	0.35	1.56	2.22	4.10	4/A+
35 + 35	3.50	3.50		3.00	7.00	8.80	0.35	2.10	2.22	3.33	6.1/A++	3.50	3.50		2.45	7.00	7.72	0.40	1.73	2.22	4.05	4/A+
25 + 50	2.53	5.07		2.80	7.60	8.80	0.35	2.20	2.53	3.45	6.1/A++	2.53	5.07		2.45	7.60	8.69	0.42	1.81	2.53	4.19	4/A+
35 + 50	3.04	4.56		3.00	7.60	8.80	0.35	2.25	2.55	3.38	6.1/A++	3.04	4.56		2.45	7.60	8.80	0.42	1.85	2.55	4.11	4/A+
50 + 50	3.95	3.95		3.00	7.90	8.80	0.40	2.40	2.60	3.29	6.1/A++	3.95	3.95		2.45	7.90	8.80	0.45	1.95	2.60	4.05	4/A+
25 + 25 + 25	2.63	2.63	2.63	2.80	7.90	8.80	0.35	2.44	2.85	3.23	6.1/A++	2.60	2.60	2.60	2.45	7.80	8.80	0.42	1.93	2.85	4.05	4/A+
25 + 25 + 35	2.40	2.40	3.20	2.80	8.00	8.80	0.35	2.47	2.75	3.24	6.1/A++	2.35	2.35	3.30	2.70	8.00	8.80	0.42	1.88	2.85	4.25	4/A+
25 + 25 + 50	2.00	2.00	4.00	2.80	8.00	8.80	0.45	2.48	2.85	3.23	6.1/A++	2.05	2.05	4.10	2.70	8.20	8.80	0.45	2.02	2.85	4.05	4/A+
25 + 35 + 35	2.18	2.91	2.91	2.80	8.00	8.80	0.40	2.48	2.85	3.23	6.1/A++	2.20	3.00	3.00	2.70	8.20	8.80	0.42	1.96	2.85	4.19	4/A+
25 + 35 + 50	1.85	2.46	3.69	2.80	8.00	8.80	0.50	2.48	2.85	3.23	6.1/A++	1.90	2.50	3.90	2.70	8.30	8.80	0.50	2.02	2.85	4.11	4/A+
35 + 35 + 35	2.67	2.67	2.67	3.00	8.00	8.80	0.45	2.48	2.85	3.23	6.1/A++	2.75	2.75	2.75	2.70	8.25	8.80	0.45	2.04	2.85	4.05	4/A+