



The new **Climaveneta Wizard Air Handling Units (AHU's)** utilise Mr Slim Power Inverter heat pump technology, efficient thermal wheel heat recovery technology and an integrated controls system making them highly advanced, flexible and efficient.

### Key Features

- Mr Slim Power Inverter heat pump technology
- Thermal wheel heat recovery technology
- Integrated controls
- High efficiency system
- Flexible installation / configuration
- Modbus & Bacnet BEMS connection available
- Customisable units with extensive optional extras available
- Ecodesign 2018 compliant



# Ventilation

## Product Information

### Wizard WD Air Handling Unit

Making a  
World of  
Difference



MODEL		WD-083	WD-139	WD-208	WD-278	WD-347	WD-417	WD-556	
AIR VOLUME	m³/s	0.83	1.39	2.08	2.78	3.47	4.17	5.56	
AIRFLOW RANGE	m³/s	0.56 - 0.83	0.97 - 1.39	1.53 - 2.08	2.22 - 2.78	2.92 - 3.47	3.61 - 4.17	3.75 - 5.56	
EXTERNAL STATIC PRESSURE (Standard Fans)	Pa	250	250	250	250	250	250	250	
EXTERNAL STATIC PRESSURE (High Pressure Fans)	Pa	400	400	400	400	400	400	400	
COOLING CAPACITY	DX Coil Capacity	kW	10	20	25	40	42	50	75
	Wheel Recovery Capacity	kW	18.1	29.5	43.5	58.2	73.7	86.4	121.3
	Total Capacity	kW	28.1	49.5	68.5	98.2	115.7	136.4	196.3
HEATING CAPACITY	DX Coil Capacity	kW	12	22.4	28	44.8	48	54	81
	Wheel Recovery Capacity	kW	13.8	22.2	32.8	43.9	55.5	65.4	92.4
	Total Capacity	kW	25.8	44.6	60.8	88.7	103.5	119.4	173.4
HEAT RECOVERY EFFICIENCY	Cooling Sensible	%	75.4	72.7	71.7	72	72.7	71.4	75.6
	Heating Sensible	%	77.1	74.3	73.4	73.6	74.3	73.1	77.2
OPERATING RANGES:	On Coil Cooling	°C DB	15 - 32	15 - 32	15 - 32	15 - 32	15 - 32	15 - 32	15 - 32
	On Coil Heating	°C DB	5 - 28	5 - 28	5 - 28	5 - 28	5 - 28	5 - 28	5 - 28
	Supply Air Cooling	°C DB	12 - 30	12 - 30	12 - 30	12 - 30	12 - 30	12 - 30	12 - 30
	Supply Air Heating	°C DB	17 - 28	17 - 28	17 - 28	17 - 28	17 - 28	17 - 28	17 - 28
	Auto Cooling / Heating	°C DB	19 - 28	19 - 28	19 - 28	19 - 28	19 - 28	19 - 28	19 - 28
ELECTRICAL POWER REQUIREMENTS*1 400vac/3Ph+PE/50Hz	Nominal / Maximum	kW	2.33 / 5.74	3.43 / 5.79	4.36 / 10.88	5.55 / 10.88	7.46 / 11.37	8.60 / 21.37	11.70 / 21.37
SPECIFIC FAN POWER (SFP <small>int @ 400Pa</small> )	W/(l/s)	0.96	0.77	0.76	0.75	0.74	0.80	0.91	
SOUND POWER LEVEL	dB(A)	67	71	68	72	76	72	75	
UNIT DIMENSIONS (WxDxH)	mm	3400x1000x1600	3400x1400x1600	3400x1500x2200	3400x1800x2200	3400x2000x2300	3800x2200x2360	3800x2500x2820	
WEIGHT	Kg	850	1000	1150	1350	1600	1950	2300	
FILTERS FITTED AS STANDARD	Class	Rigid Bag Filters F7							
CONSTRUCTION		Profile: 60mm. Panel Thickness: 45mm. Insulation: Polyurethane. Finish: Preplasticized.							
EN1886 ACHIEVED CLASSES (Deflection/Leakage/Filter/Thermal Bridging)	Class	D1, L1, F9, T2, TB2							
COMPATIBLE OUTDOOR UNITS*	Power Inverter (R410A)	2 x PUHZ-ZRP50	2 x PUHZ-ZRP100	2 x PUHZ-ZRP125	2 x PUHZ-ZRP200	3 x PUHZ-ZRP140	2 x PUHZ-ZRP250	3 x PUHZ-ZRP250	
	Standard Inverter (R410A)	Not Compatible	Not Compatible	Not Compatible	2 x PUHZ-P200	Not Compatible	2 x PUHZ-P250	3 x PUHZ-P250	

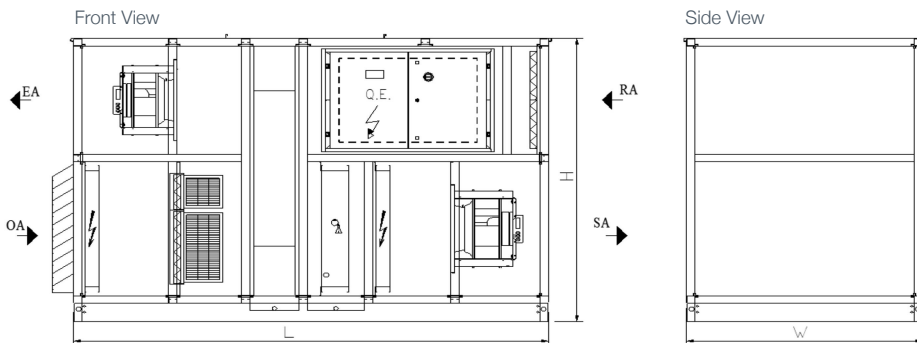
Note: Please refer to Mr Slim section for outdoor unit specification data. The specification data is based on the rated conditions below.

\*1 Excluding optional accessories & outdoor units

RATED CONDITIONS	SUMMER	WINTER
INDOOR	27°C DB 50% RH	20°C DB 50% RH
OUTDOOR	35°C DB 50% RH	7°C DB 85% RH

### PRODUCT DIMENSIONS

#### Wizard WD



MODEL	Q (m³/h)	W (mm)	H (mm)	L (mm)	N. SECTIONS	SUPPOSED WEIGHT (kg)
WD-083	3000	1000	1600	3400	1	850
WD-139	5000	1400	1600	3400	1	1000
WD-208	7500	1500	2200	3400	1	1150
WD-278	10000	1800	2200	3400	1	1350
WD-347	12500	2000	2300	3400	1	1600
WD-417	15000	2200	2360	3800	3	1950
WD-556	20000	2500	2820	3800	6	2300



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). \*These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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