Ventilation | Product Information

WizardX-G02 E-OU

Air Handling Unit

The **Climaveneta Wizard Air Handling Units (AHUs)** 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.

R410A

Key Features & Benefits:

- Mr Slim Power Inverter heat pump technology
- Thermal wheel with hygroscopic coating
- Constant volume EC plug fans
- Easy air flow commissioning with selectable target air volume control
- Fully integrated controls and single point power supply regardless of accessories
- Units available in sections with all fixings, wiring, and electrical connectors included

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R410A

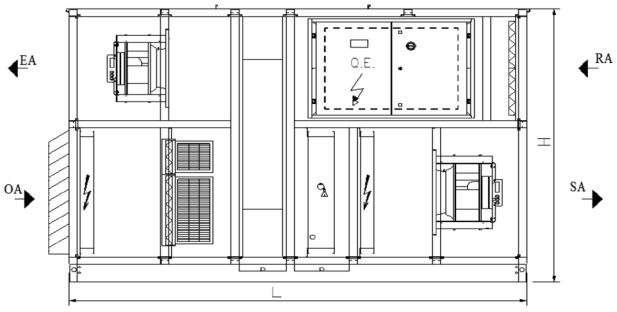
MODEL		WizardX-G02 E-OU 3000	WizardX-G02 E-OU 5000	WizardX-G02 E-OU 7500	WizardX-G02 E-OU 10000	WizardX-G02 E-OU 12500	WizardX-G02 E-OU 15000	WizardX-G02 E-OU 20000
RATED AIR VOLUME (m³/s)		0.83	1.39	2.08	2.78	3.47	4.17	5.56
AIR VOLUME RANGE (m³/s)		0.56 - 0.83	0.97 - 1.39	1.53 - 2.08	2.22 - 2.78	2.92 - 3.47	3.61 - 4.17	4.31 - 5.56
EXTERNAL STATIC PRESSURE (Pa)	Standard fans	250	250	250	250	250	250	250
	Uprated fans	400	400	400	400	400	400	400
COOLING CAPACITY (kW)	DX Coil Capacity	9.38	18.9	23.6	37.5	39.7	47.1	70.6
	Wheel Recovery Capacity	24	39.4	57.7	77.8	96.2	115	160
	Total Capacity	33.38	58.3	81.3	115.3	135.9	162.1	230.6
HEATING CAPACITY (kW)	DX Coil Capacity	8.48	16.8	20.9	33.7	35.9	40.8	61
	Wheel Recovery Capacity	30.9	49.9	73.6	98.9	123	147	206
	Total Capacity	39.38	66.7	94.5	132.6	158.9	187.8	267
HEAT RECOVERY EFFICIENCY (%)		79	75.5	74.7	75.1	74.7	74.6	78.9
SPECIFIC FAN POWER (SFPint) (W/(l/s))		1.007	0.753	0.751	0.736	0.76	0.794	0.892
SOUND POWER LEVEL (dB(A))	Fresh/Outdoor	71	78	73	77	81	77	80
	Supply	78	85	79	83	87	83	87
	Return	69	78	71	75	81	74	79
	Exhaust	76	85	77	82	87	80	85
	Breakout	60	67	63	67	72	66	71
UNIT DIMENSIONS (WxDxH)*1 (mm)		3400x1000x1600	3400x1400x1600	3400x1500x2200	3400x1800x2200	3400x2000x2300	3800x2200x2360	3800x2500x2820
WEIGHT (kg)		850	1000	1150	1350	1600	1950	2300
STANDARD FILTRATION	Fresh air 1st stage	ISO Coarse 50% / G4						
	Fresh air 2nd stage	ISO ePM1 50% / F7 Bag Filter						
	Return air	ISO Coarse 50% / G4						
CONSTRUCTION	Profiles	60mm aluminium						
	Panels	45mm sandwich panels, galvinised steel sheets with a pre-plastified external finish						
	Insulation	45 kg/m3 density polyurethane foam						
EN1886 ACHIEVED CLASSES (Deflection/Leakage/Filter bypass/Thermal transmittance/Thermal bridging)		D1(M), L3, F9, T3, TB4						
OPERATING RANGES (°C DB)	Target Supply Air Setpoint	17 - 28						
	DX On Coil Cooling	15 - 32						
	DX On Coil Heating	5 - 28						
ELECTRICAL POWER REQUIREMENTS		400VAC / 3ph+Positive Earth / 50Hz						
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

Notes: Please refer to Mr Slim section for outdoor unit specification data. The specification data is based on the rated conditions below, at the rated air flows.
*1 Units in sections as an option will include extra profiles, increasing the weight and dimensions of the final unit.

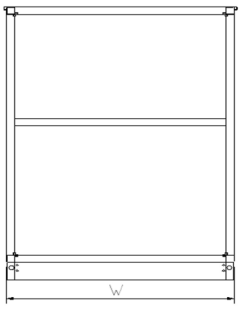
RATED CONDITIONS	SUMMER		WINTER	
INDOOR	23ºC DB	50% RH	21ºC DB	50% RH
OUTDOOR	35ºC DB	50% RH	-5ºC DB	85% RH

WizardX-G02 E-OU DIMENSIONS

FRONT VIEW



SIDE VIEW



MODEL	Q [m³/h]	W [mm]	H [mm]	L [mm]	STANDARD WEIGHT [kg]
E-OU 3000	3000	1000	1600	3400	850
E-OU 5000	5000	1400	1600	3400	1000
E-OU 7500	7500	1500	2200	3400	1150
E-OU 10000	10000	1800	2200	3400	1350
E-OU 12500	12500	2000	2300	3400	1600
E-OU 15000	15000	2200	2360	3800	1950
E-OU 20000	20000	2500	2820	3800	2300

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Changes for the Better

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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and 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), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *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).

Effective as of November 2022

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