

# Ecodan Hydrodan

## R32 Water to Water Heat Pump

**R32**

The **Ecodan Hydrodan** is a water to water heat pump, designed to produce heating and hot water in residential apartments. The Ecodan Hydrodan connects to a 5th generation ambient temperature heat network deployed throughout the building.

The use of these networks produces negligible distribution losses and helps to reduce overheating in apartments. These networks also enable the ability to recover heat from cooling plant on the network to reduce primary energy consumption. The local heat network can be maintained at ambient temperature by a Mitsubishi Electric commercial heat pump, environmental source or connected to a district heat network.

### Key Features & Benefits:

- Highly efficient heating and hot water production - low running costs for owners
- Low quantity R32 refrigerant - low environmental impact
- PIC valve network control - simple pressure balancing and flow control
- Ultra-low noise output - no disturbance for owners
- Removable heat pump module - simple for repairs

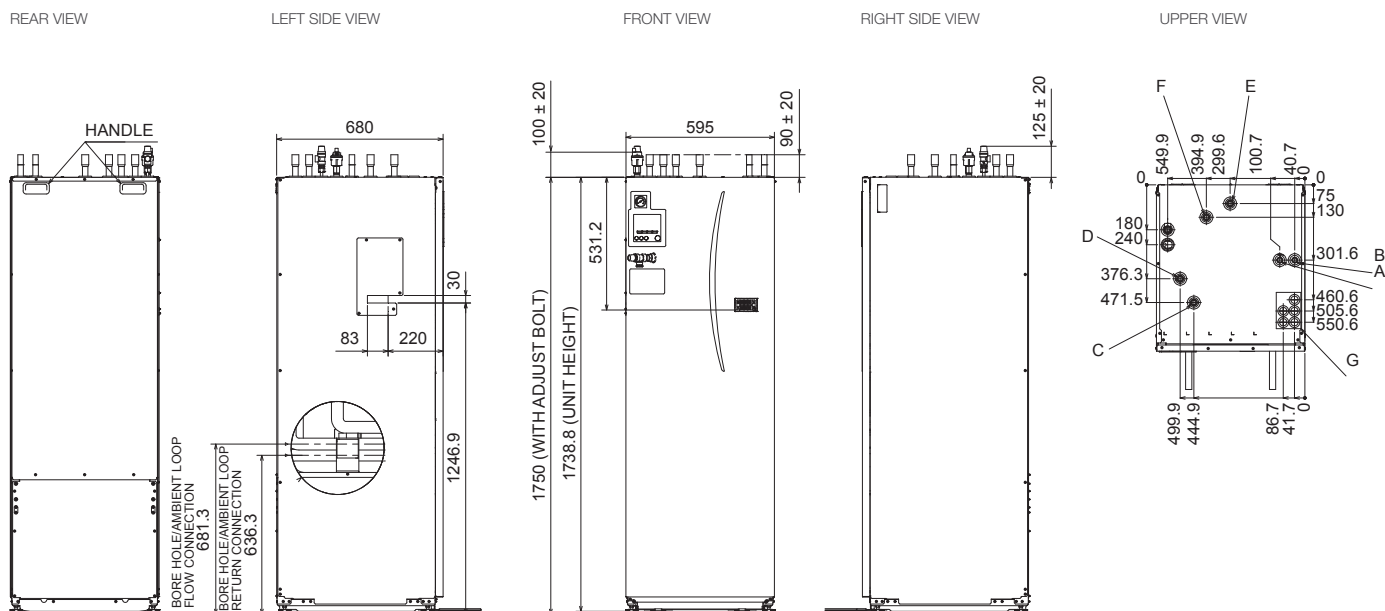




MODEL				EHWT17D-MHEDW
CAPACITY INFORMATION	L20 / W35	Heating Capacity (min-max)	kW	1.2 - 8.0
		Power Input (min-max)	kW	0.3 - 1.0
		COP (Nom.)	-	9.2
	L20 / W45	Heating Capacity (min-max)	kW	1.1 - 7.5
		Power Input (min-max)	kW	0.5 - 1.3
		COP (Nom.)	-	6.3
	L20 / W55 (DHW)	Heating Capacity (DHW)	kW	6.3
		Power Input (DHW)	kW	1.3
		COP (DHW)	-	5.0
	L25 / W35	Heating Capacity (min-max)	kW	1.5 - 9.3
		Power Input (min-max)	kW	0.2 - 1.0
		COP (Nom.)	-	11.3
	L25 / W45	Heating Capacity (min-max)	kW	1.3 - 8.5
		Power Input (min-max)	kW	0.4 - 1.3
		COP (Nom.)	-	7.8
	L25 / W55 (DHW)	Heating Capacity (DHW)	kW	6.8
Power Input (DHW)		kW	1.5	
COP (DHW)		-	5.4	
	Heating Circuit Flow Rate (min - max)	l/min	7.1 - 27.7	
LOOP INFORMATION	Control Type	-	PICV + Actuator	
	Inlet Temperature Range (min - max)	°C	10 - 30	
	Flow Rate (min - max)	l/min	7.2 - 24	
	Maximum Loop Pressure Rating	bar	10	
	Pipe Connection Size	mm	28	
ELECTRICAL INFORMATION	Voltage/Phase/Frequency	v/ph/Hz	230v/1ph/50Hz	
	Fuse Rating - Heat Pump/Immersion Heater	A	16/20	
	Number of Connections	-	2	
	Immersion Rating (Tank)	kW	3	
	Start up Current	A	3.1	
GENERAL INFORMATION	Unit Dimensions (WxDxH)	mm	595 x 680 x 1750	
	Compressor Type	-	Rotary compressor	
	Domestic Hot Water Tank Volume (net)	l	170	
	Weight (empty)	kg	166	
	Weight (full)	kg	345	
	Refrigerant	-	R32	
	Volume of Refrigerant	kg	0.9	
	Heating Temperature Range	°C	20 - 60	
	Hot Water Temperature Range	°C	40 - 60	
	Internal Water Volume Loop Side / Heating Side	l	3.16 / 5.47	
	Sound Power Level	dBA	38	
	Sound Pressure Level @1m	dBA	27	

### EHWT17D-MHEDW DIMENSIONS

All dimensions (mm)



Letter	Pipe description	Connection size/type
A	DHW outlet connection	22 mm/Compression
B	Cold water inlet connection	22 mm/Compression
C	Space heating return connection	28 mm/Compression
D	Space heating flow connection	28 mm/Compression
E	Ambient loop return connection	28 mm/Compression
F	Ambient loop flow connection	28 mm/Compression
G	Electrical cable inlets	For inlets 1 and 2, run low-voltage wires including external input wires and thermistor wires. For inlets 3, 4 and 5, run high-voltage wires including power cable, and external output wires. *For a wireless receiver (option) cable and ecodan Wi-Fi interface (option) cable, use inlet 1.



Telephone: 01707 282880  
email: [air.conditioning@meuk.mee.com](mailto:air.conditioning@meuk.mee.com)  
les.mitsubishielectric.co.uk



@meuk\_les  
@green\_gateway



Mitsubishi Electric Living  
Environmental Systems UK



Mitsubishi Electric  
Cooling and Heating UK



mitsubishielectricuk\_les



Mitsubishi Electric Living  
Environmental Systems UK



[thehub.mitsubishielectric.co.uk](http://thehub.mitsubishielectric.co.uk)

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881  
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

Country of origin: United Kingdom - Japan - Thailand - Malaysia. ©Mitsubishi Electric Europe 2021. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

**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 2021

