

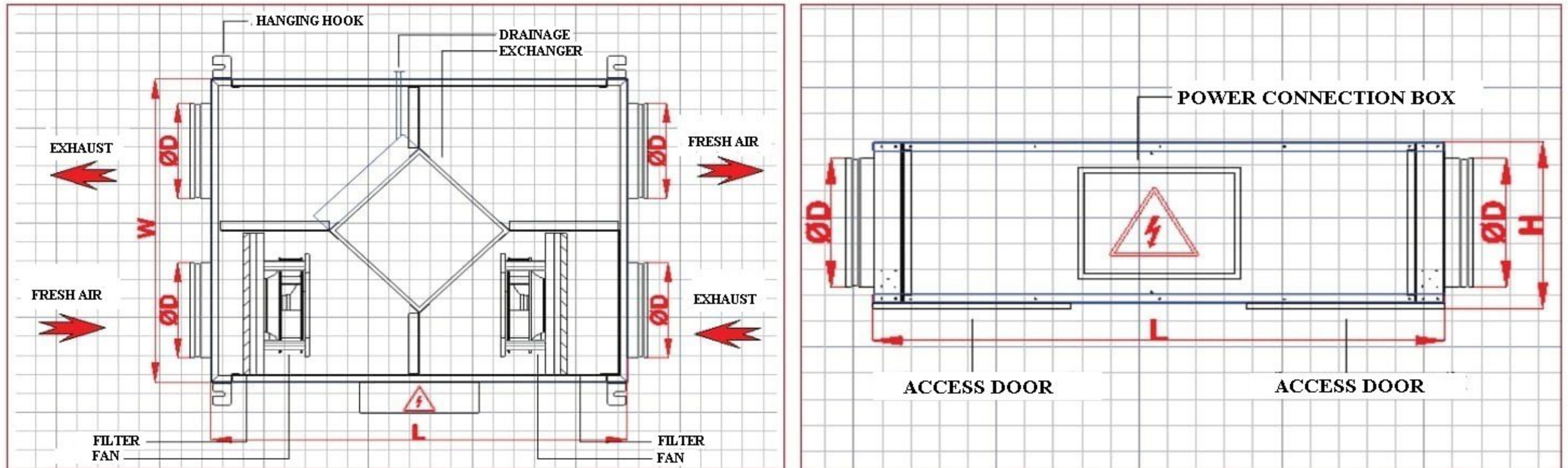


# **GHRV**

Heat Recovery Unit

[www.gmcair.com](http://www.gmcair.com)

## HEAT RECOVERY UNIT - GHRV



## TECHNICAL FEATURES

UNIT TYPE		GHRV750	GHRV1000	GHRV1500	GHRV2000	GHRV3000	GHRV4000	GHRV5000
AIR FLOW	m3/h	750	1000	1500	2000	3000	4000	5000
OUTER STATIC PRESSURE	pa	150	150	150	150	150	150	150
SUPPLY VOLTAGE	V/Hz/f	4	6	6	7	10	10	-
MAX. POWER CONSUMPTION	W	135x2=270	230x2=460	230x2=460	210x2=420	430x2=860	510x2=1100	800x2=1600
OPERATING CURRENT	A	0,60x2 =1,20	1,05x2=2,10	1,1x2=2,20	1x2=2	1,5x2=3	1,5x2=3	3,5x2=7
FILTER TYPE	POL 20 / 6							
MAX. SOUND LEVEL	dB	70	72	79	63	66	69	79
ELECTRICAL HEATER	kW	3	6	6	9	12	15	18
HEATER COIL (90/70) C	kW		2,9	2,9	4,3	6,4	8,3	11,4
WEIGHT	Kg	58	62	65	102	150	185	245
GHRV Unit Dimensions * All sizes are given in mm	L	1000	1000	1000	1270	1600	1700	1800
	H	320	320	350	425	525	525	625
	w	800	800	800	1150	1150	1300	1400
	D	250	250	250	300	350	400	500
Unit Selection refer to Outer Pressure Loss (Pa)	0	1000	1480	1800	2520	4100	4400	6000
	75	900	1350	1650	2350	3600	4200	5500
	150	750	1000	1500	2000	3000	4000	5000

\* Sound pressure at 250Hz frequency, measured at 1,5m distance from unit.

\*\* In case outer temperature is lower -3°C and at sites with possible condensation, electrical heaters shall be used at fresh air inlet of the unit for pre-heating of the air.  
Also, at humid climates, returning air duct shall be insulated in order to avoid condensation.

\*\*\* Duct type water or electrical heaters are optional.

\*\*\*\* Control Panel and Control Board are optional. It is possible to control electrical or water heater from one control panel.

## HEAT RECOVERY EXCHANGER

- Durable, aluminium plate type, heat recovery exchanger.
- Heat exchanger surface with developed plates and special design for stability
- Bonding processed plates in order to avoid leakages.
- Access door allows easy installation and maintenance.
- Sound damping feature.

## PLUG FAN

- Back sloping plug fan
- High productivity
- Low power consumption
- High static pressure
- Overload protection
- Easy installation and maintenance

## VENTILATION AS NEEDED

- Graded air flow control
- Internal high current protection breaker
- Unit On/Off function
- Elegant design
- Protective resistance limiting at low air flows

## HEATER

- In case outer temperature is lower than  $-3^{\circ}\text{C}$  and at sites with possible condensation, electrical heaters shall be used at fresh air inlet of the unit for pre-heating of the air. Also, at humid climates, returning air duct shall be insulated in order to avoid condensation.
- Consists of galvanized steel and stainless resistances.
- Equipped with 2 circuit breaker thermostats against over- heating.
- 3 stages operation.

## CONTROL PANEL

- First, starts-up fan and then electrical heater, due to security reasons.
- Control panels are designed for automatic or manual controlling of heat recovery units having self-aspirators with 3-stage permanent condenser and blower fan motors. Easy to use panels, allows quick adaptation for unit operation. System stands-by during power cuts and resumes on.
- Aspirator and Blower Fan 3 Stage Manual + Automatic Fan Speed Selection,  
Heater Resistance 3 Stage Manual + Automatic Fan Speed Selection,  
Unit's running information output, Weekly Program(Optional),  
On/off control ability from BYS system (dry contact),  
Control by Carbon dioxide/Air Quality Sensor (0-10V).



## ADVENTAGES

- Productive Plug Fans are used for lower energy consumption
- Aluminium exchanger for high productivity
- 20/6 Washable Pol Filter
- Smart Automation
- Optional water heater battery
- Immediate delivery of all models in stock
- High corrosion resistant, galvanized metal plated body, painted body is optional.
- Easy access and maintenance service to all components
- Thermal and acoustic insulation inside the unit



---

 İnönü Mah, Gebze Plastikçiler OSB, 93. Sk, No:3 Tuzla - Gebze / İSTANBUL

 +90 262 502 16 46

 +90 262 502 16 45

 info@gmcair.com

---

[www.gmcair.com](http://www.gmcair.com)