

Komfovent MVHR Systems

You will be required to install a 13 amp switched spur beside the unit.

Optional boost switches to the bathrooms—you will require a 2 core cable (Volt-free operation) from the unit to a single recessed box outside/inside of the bathroom, en-suite, WC and kitchen (please see wiring diagram below).

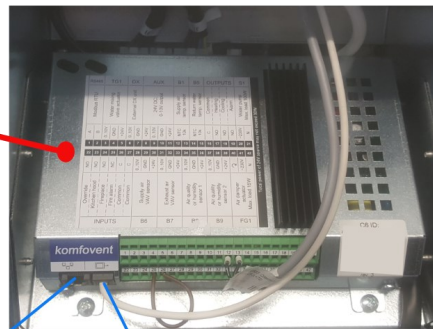
The dimensions of the MVHR are provided on the proposal and available on our web site. Please allow a suitable trap door or area to suit the unit dimensions for access/installation. Allow for space in front of the MVHR unit for access to filter change and maintenance.

Please remember to also allow sufficient space for the pipe work and manifolds to connect to the MVHR unit.

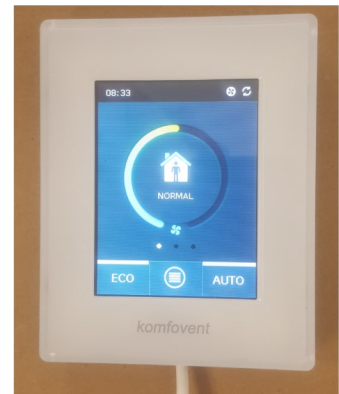
To vent to the exterior we can either supply roof vents or stainless steel external cowls for you to install at a minimum distance of 1.5 meter apart.

The Komfovent MVHR systems have a duct heater built into the unit. A temperature probe is required to be installed on the rooms supply air pipe on a straight run from the unit. The probe is supplied with the MVHR unit.

A touch controller is supplied with the Komfovent MVHR, with a 10m length of cable. If preinstalling a cable before purchase of the MVHR or 10m is not long enough, we recommend 4 x 0.22mm² cable up to a max length of 150m.



LAN Connection
Controller RJ9 Connection



Controller

B6	Supply air VAV sensor	0..10V	22	1	NTC	Return water temperature sensor	B5
		GND	23	2	10k		
		+24V	24	3	NTC		
B7	Extract air VAV sensor	0..10V	25	4	10k	Supply air temperature sensor	B1
		GND	26	5	C		
		+24V	27	6	NO		
B8	Air quality or humidity sensor 1	0..10V	28	7	NC	Common Control Fire alarm Fireplace Kitchen Override	INPUTS
		GND	29	8	NO		
		+24V	30	9	NO		
B9	Air quality or humidity sensor 2	0..10V	31	10	NO	24V DC; 0..10V output	AUX
		GND	32	11	0..10V		
		+24V	33	12	GND		
OUTPUTS	Common	C	34	13	+24V	External DX unit	DX
	Heating	NO	35	14	+24V		
	Cooling	NO	36	15	0..10V		
	Alarm	NO	37	16	GND		
FG1	Air damper actuators Max. 15 W	↻	38	17	0..10V	Water mixing valve actuator	TGI
		~230V	39	18	GND		
		N	40	19	+24V		
S1	Water pump Max. 100 W	~230V	41	20	A	Modbus RTU	RS485
		N	42	21	B		

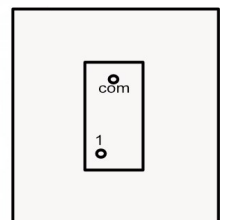
Terminal numbers may be different on various models

To Switch Com

To Common Terminal

To Switch L1

To Override Terminal



Boost Switch