AKOR HR

Low energy Heat Recovery Systems

Features

- 2 year guarantee
- Ultra Low Watt DC motor technology
- Pollen filter available
- Frost protection
- Ultra efficient heat exchange – up to 98%
- Wireless controls
- Frost Protection
- Summer bypass option

Benefits

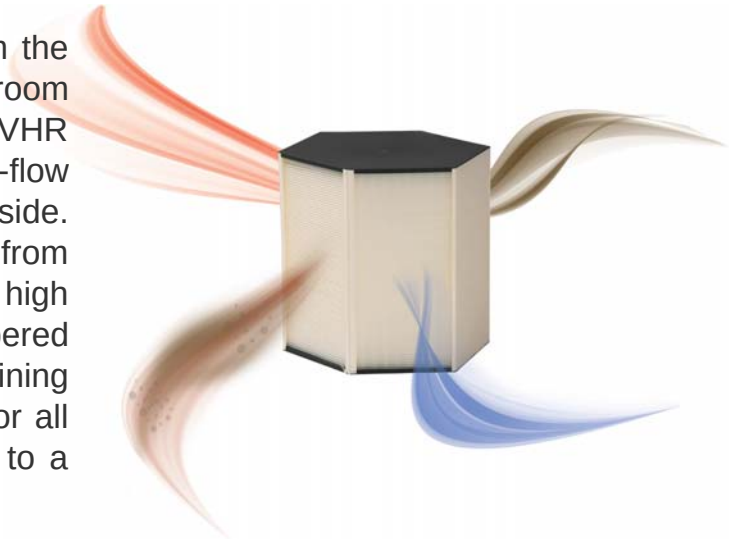
- Reduces/eliminates surface condensation
- Expert fitting staff
- Quiet operation
- Eliminates mould
- Removes musty odours
- Improves air quality
- Enhances heat distribution
- SA P Appendix Q eligible
- Filters can be easily removed

Application

The AKOR HR High Efficiency Mechanical Ventilation with Heat Recovery (MVHR) units provide constant, controlled ventilation to homes w ithout increasing the heat loss normally caused by ventilation. By using our range of MVHR units the calculated heat loss is actually reduced, making homes much more energy efficient, with the added confidence that all products have been independently tested by BRE and are included in S A P Appendix Q.

Counter Flow Heat Exchanger

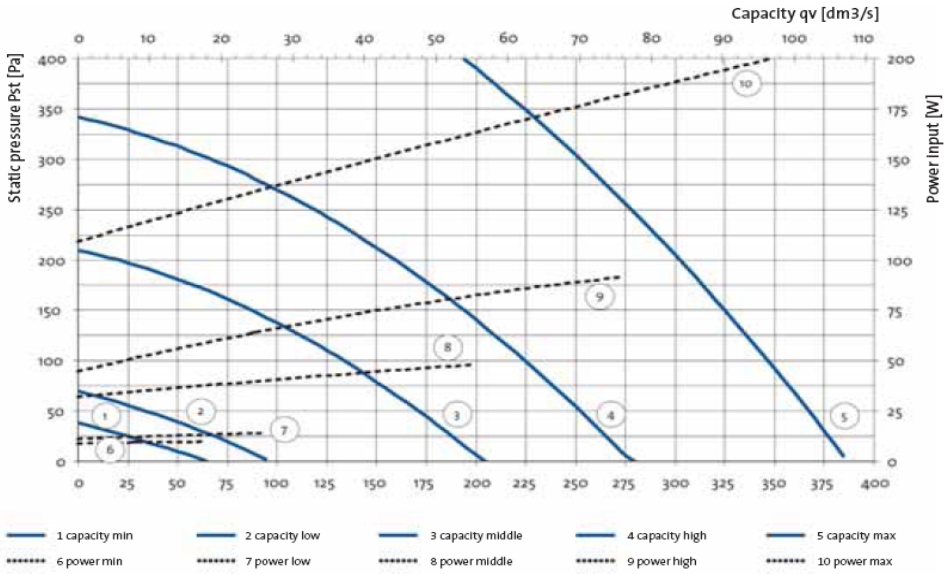
Stale moist air, will be continuously extracted from the Wet Rooms, traditionally the kitchen, utility, bathroom and cloakroom areas, and ducted to the central MVHR unit. This extracted air passes through a counter-flow heat exchanger before being ducted to outside. Simultaneously fresh air is drawn into the unit from outside via a G3 filter, and is warm ed by the high efficiency, counter flow heat exchanger. This tempered fresh air is then delivered through into the living, dining and bedroom areas. The AKOR HR unit is ideal for all new build dwellings – especially those being built to a higher standard of air-tightness.



Typical Specifications

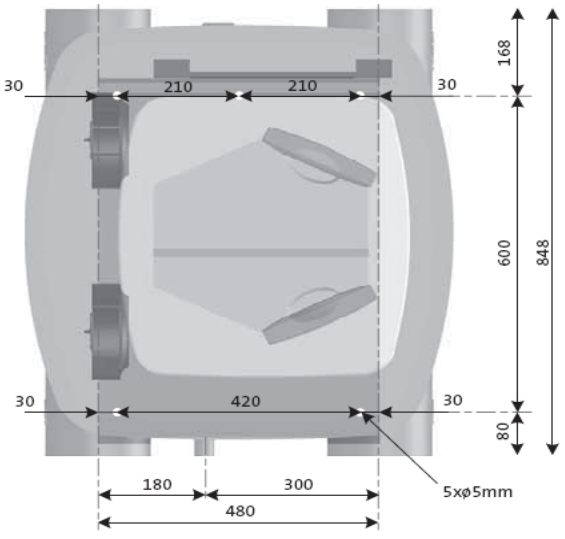
	Capacity [m³/h]	Pressure [Pa]	Power [W]*	Current [A]*	Voltage [V]*	Cos phi *	Technical efficiency [%]
Step 1 Min	50	10	10	0.07	230	0.63	98
Step 1 Low	75	20	14	0.094	230	0.65	98
Step 2 Medium	150	40	39	0.32	230	0.53	96.2
Step 2 Medium	150	80	45	0.37	230	0.54	96.2
Step 3 High	225	100	86	0.69	230	0.54	94
Step 3 High	225	150	100	0.79	230	0.55	94
Step 3 High	275	100	121	0.95	230	0.55	93
Step 3 High	275	150	139	1.09	230	0.55	93
Step 3 Max	325	100	172	1.32	230	0.56	92
Step 3 Max	235	150	200	1.45	230	0.58	92

Performance Curves

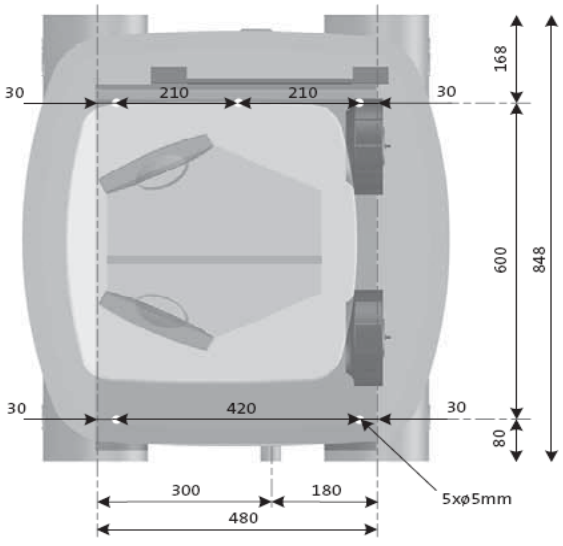


Dimensions (mm)

Suspension



Mirrored suspension



Low Energy Heat Recovery Range