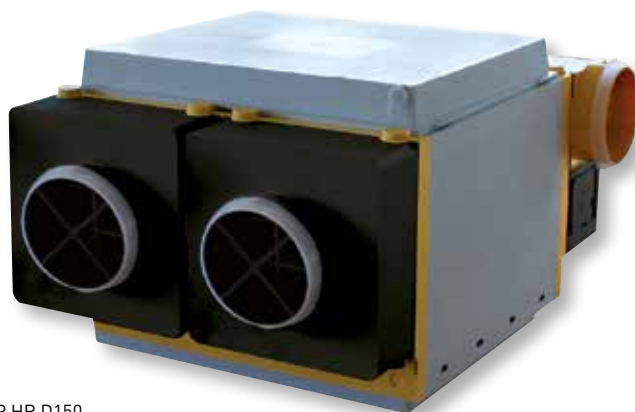


AKOR BP HR

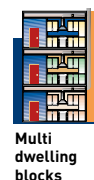


Energy recovery ventilation systems for single dwelling houses or multi-dwelling blocks, with crossflow heat exchanger. It guarantees continuous air replacement in single dwelling houses or multi-dwelling blocks up to 92% of efficiency. It connects, via ducting, to extraction outlets in each of the 'wet' rooms. The fresh air that has been pre heated enters the rooms through supply air vents. Equipped with 2 centrifugal fans (a supply and an extract fan), each with a 230V-50Hz motor, Class B, 2-speed, designed for continuous operation, and terminal housing to connect the power supply cable.



AKOR BP HR D150

Specific applications



Multi dwelling blocks



Single dwellings



Heat recovery unit



Easy maintenance
and filter cleaning.



Efficient counter flow heat exchanger
High efficient counter flow heat exchanger, manufactures from polypropylene plates.



Drain
Permanent drain to evacuate condensation water.



Integrated rubber seals
Circular connection flange with Integrated rubber seals.



Incorporated remote control
with double-switch:
- by-pass activation
- speed change



AKOR BP ST

**ENERGY
EFFICIENT**  **VENTILATION
SYSTEM**

Energy recovery ventilation systems for single dwelling houses or multi-dwelling blocks, with crossflow heat exchanger. It guarantees continuous air replacement in single dwelling houses or multi-dwelling blocks up to 60% of efficiency. It connects, via ducting, to extraction outlets in each of the 'wet' rooms. The fresh air that has been pre heated enters the rooms through supply air vents. Equipped with 2 centrifugal fans (a supply and an extract fan), each with a 230V-50Hz motor, Class B, 2-speed, designed for continuous operation, and terminal housing to connect the power supply cable.

Specific applications



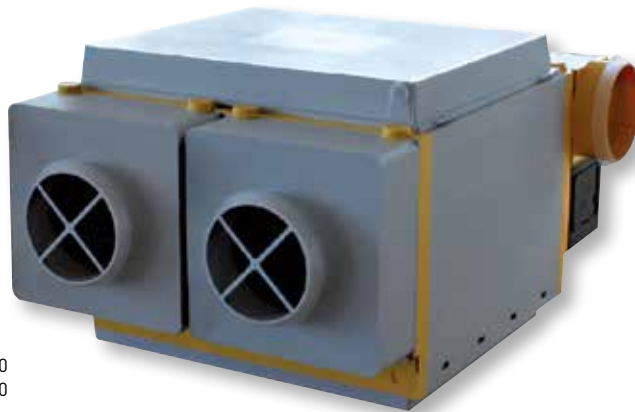
Multi dwelling blocks



Single dwellings



Heat recovery unit



AKOR BP ST D150
 AKOR ST GD D150



Easy maintenance
 and filter cleaning.



Efficient cross flow heat exchanger
 High efficient cross flow heat exchanger, manufactures from polypropylene plates.



Drain
 Permanent drain to evacuate condensation water.



Integrated rubber seals
 Circular connection flange with Integrated rubber seals.



Incorporated remote control
 with double-switch:
 - by-pass activation
 - speed change

REFERENCE

A	K	O	R	B	P	S	T	D	1	5	0
1				2		3		4			

- 1 - AKOR:** Serie.
2 - BP: By-pass
3 - ST: Cross flow heat exchanger
HR: High efficiency heat exchanger
4 - D150: 150mm connection diameter.

TECHNICAL CHARACTERISTICS

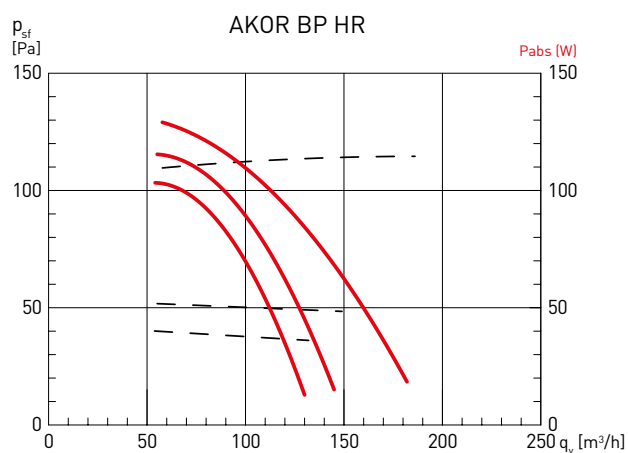
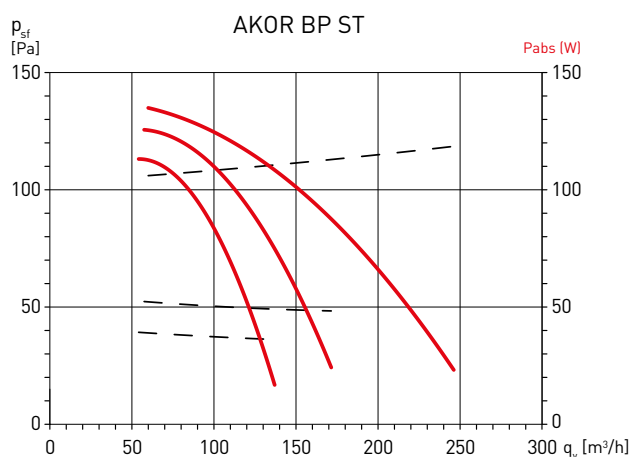
Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Model	Voltage (V)	Power absorbed at free discharge (Maximum) (W)	Sound pressure level (dB(A))	Configuration	Weight (kg)	Wiring diagram* (nº)
AKOR BP HR	230	132	52	4 inlet bellmouth de 80 mm 1 inlet bellmouth 125 mm	16	48
AKOR BP HR D150	230	132	52	1 inlet bellmouth 150 mm	16	48
AKOR BP ST	230	132	52	4 inlet bellmouth 80 mm 1 inlet bellmouth 125 mm	15	48
AKOR BP ST D150	230	132	52	1 inlet bellmouth 150 mm	15	48

* See section of Wiring Diagrams.

PERFORMANCE CURVES

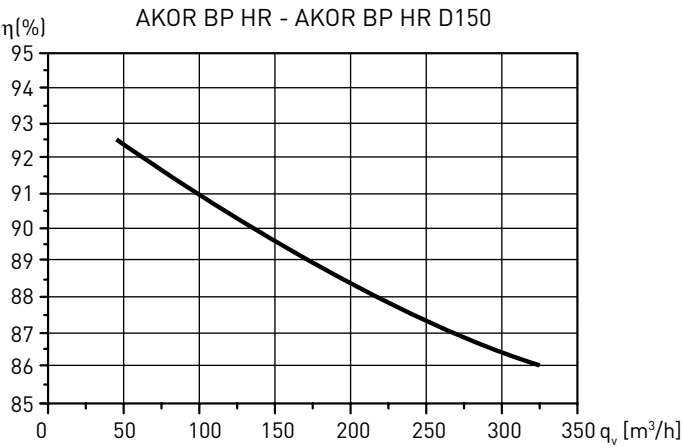
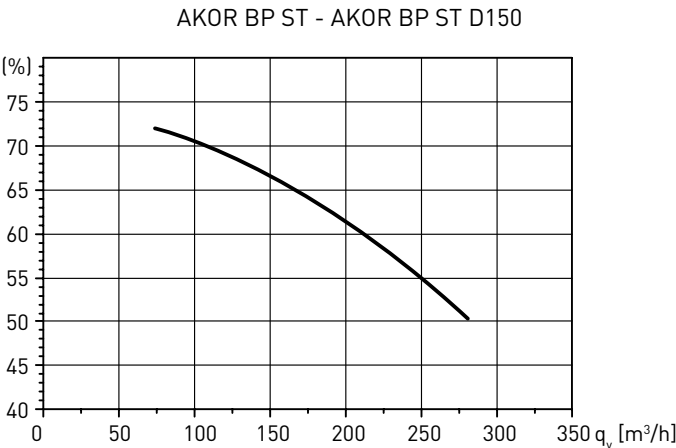
The curves correspond to each of the 2 fans that each AKOR model incorporates.



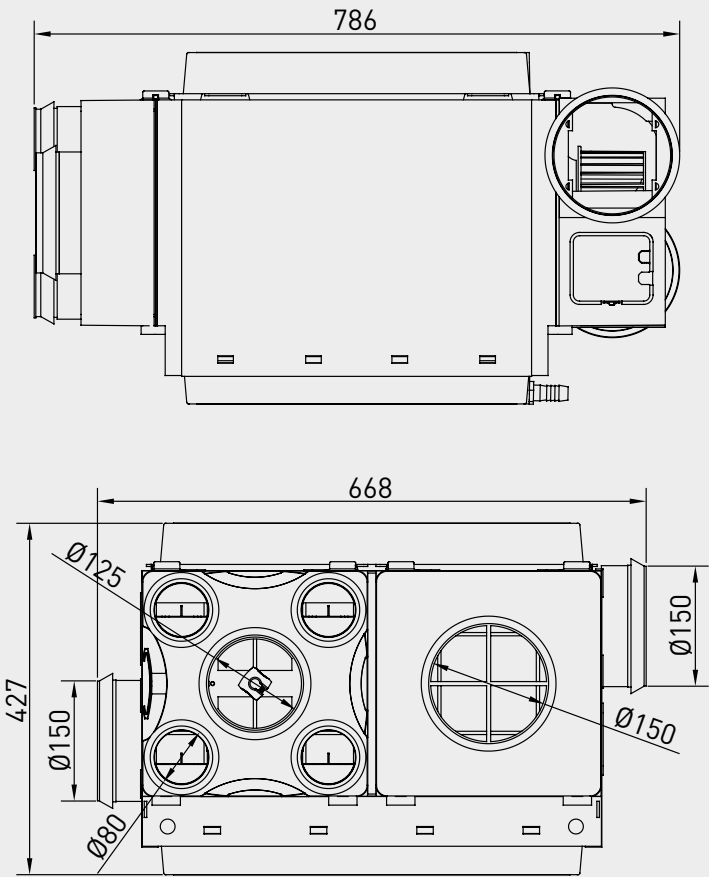


EFFICIENCY CURVE

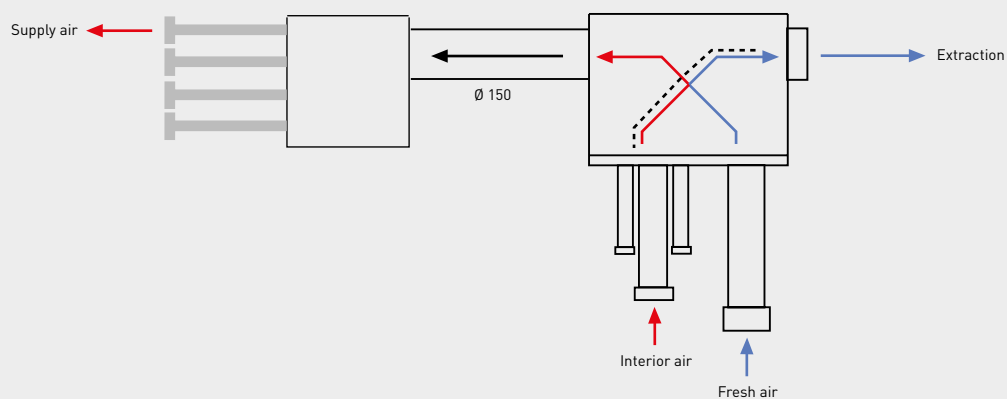
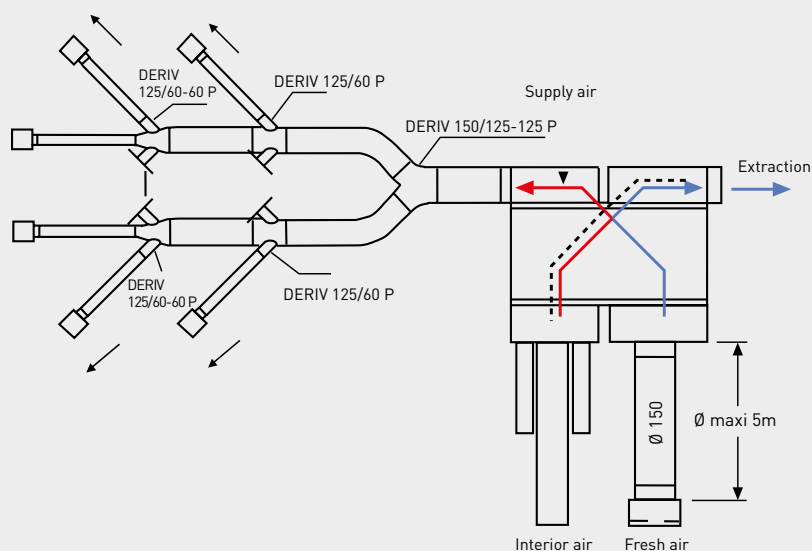
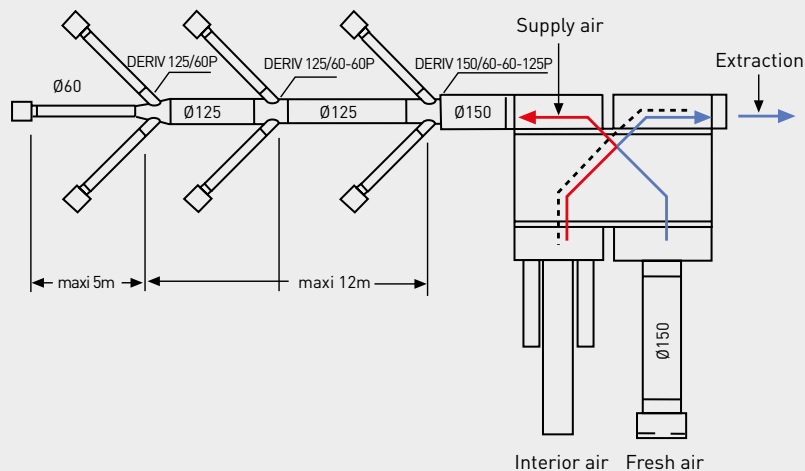
Outdoor temperature: 5°C.
Outdoor relative humidity: no significant.
Indoor temperature: 25°C.
Indoor relative humidity: 30%.



DIMENSIONS (mm)



INSTALLATION EXAMPLES



ACCESSORIES



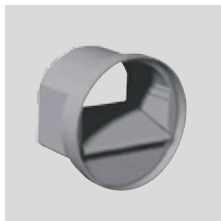
ABE AKOR 500W Pre-heating coil

Prevents the formation of ice from the condensation on the interchanger plates in the air extract. Made from galvanized steel plate and supplied with polyethylene clips. It has a heat resistance of 500W and control thermostats.



RDR

Self-adjusting damper (50-250 Pa) that, fitted inside the duct, maintains constant airflow.



RD BP

Specific low-pressure (20-100 Pa) and self-adjusting damper with sleeve to fit directly into the duct.
 80mm diameter.
 Airflow: 15 or 30 m³/h.



RD BP SM

Specific low-pressure (20-100 Pa) and self-adjusting damper without sleeve to fit directly into the sleeve of the BDOP.
 80mm diameter.
 Airflow: 15 or 30 m³/h.



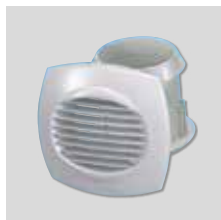
TAT

Air inlet grille under roof Ø150.



TAP

Wall mounted air inlet grille Ø150 mm.



BOA/BOAC Inlet valves

BOA 80/125.
 BOAC 80/125.



CT

Plastic roof terminal cowl



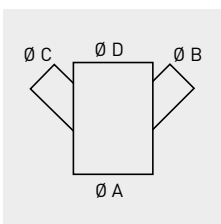
Plenum AKOR

10 inlet spigots in Ø60 mm.
 Outlet spigot in Ø150 mm. 5 covers.



DERIV

Duct fittings.



Model	Ø A (mm)	Ø B (mm)	Ø C (mm)	Ø D (mm)
DERIV 80-80 P	80	80	80	
DERIV 125-60-60-125 P	125	60	60	125
DERIV 125-60-60-125 P	125	60	60	60
DERIV 150-125-125 P	150	125	125	
DERIV 150-60-60-125 P	150	60	60	125