

Xpelair Rapier XRA

Axial roof fans



Key features

Type:	Roof fan and cowl
Application:	Commercial/Industrial
Control options:	Electronic/Transformer speed control



The Range

The **XRA** is a versatile range of six compact and efficient industrial roof axial fans featuring external rotor motors and high pressure axial blade impellers.

The fans are suitable for roof extract applications in commercial agricultural and high performance industrial installations including kitchens, factories, garages and warehouses. The cowl and base assemblies are made of tough and durable polymer that will resist exposure to ultraviolet light.

Central to the **XRA** range is a proven capacitor start-and-run Class F external

rotor motor and blade impeller assembly designed to run efficiently with the minimum of noise. On all models the impellers are die cast aerofoil section.

The plate, bellmouth entry and finger guard are manufactured in galvanised steel with a corrosion resistant powder coated finish and each of the units is fully speed controllable.

As part of our desire to develop increasingly sustainable products the Xpelair XRA and XMV roof cowls are now 100% recyclable.

Models

- Roof cowl and base are manufactured from fibreglass with a gloss UV stable finish
- Colour - goose wing grey
- Complete with integral birdguard
- Plate and bellmouth: one piece galvanised steel pressing with corrosion resistant powder coat finish. Robust steel fingerguard to EN 294
- Impeller - die cast, high efficiency aerofoil bade design for performance and low noise. Blades are dynamically balanced to ISO 1940-1: 1986 Grade G 6.3
- Motor - totally enclosed capacitor start & run external rotor motor
- Bearings are sealed for life
- Fully speed controllable except XRA315-12
- Insulation is to Class F
- Safety thermal overload protection as standard with terminals provided for connection.
- Protected to IP54
- Connection terminal box IPX4
- Suitable for ambient temperatures from -30°C to +60°C
- Supply voltage: 220-240V 50Hz

Select the right product for your application

	XRA315-12	XRA355-14	XRA400-14	XRA450-14	XRA500-16	XRA630-16
Reference number	91997AA	91998AA	91999AA	92000AA	92001AA	91340AA
Fan blade diameter (mm)	315	350	400	450	500	630
No. poles	2	4	4	4	6	6
Nominal fan speed (rpm)	2650	1330	1350	1370	880	880
Extract performance (FID, m³/s)	0.98	0.89	1.30	1.58	2.23	2.95
Sound pressure level (dB(A)@3m)	61	53	58	58	54	59
Max electrical power rating (kW)	0.13	0.19	0.29	0.36	0.2	0.6
Electrical current FLC (A)	2.1	0.84	1.45	1.6	0.96	2.7
Electrical current SC (A)	6	1.45	2.4	3.6	2.7	5.3
5 step speed controller		91367AA	91367AA	91368AA	91367AA	91368AA
Electronic speed controller		89903AA				
Includes XRC roof cowl	■	■	■	■	■	■
Guarantee (years, UK)	2	2	2	2	2	2

Controllers & Accessories

Industrial Fan Controller XCV

- Electronic speed control
- Provides On/Off and infinitely variable speed control
- Fan operation indicator light
- Surface or recess mounting
- w160 x h86mm



5 Step Transformer Speed Controller

- Multi-tapped auto transformer giving 5 speeds allowing accurate adjustment to suit site conditions
- Provides five speed and On/Off function
- Robust ISO casing
- IPX4 protected



XRC Roof Cowls Without Fan

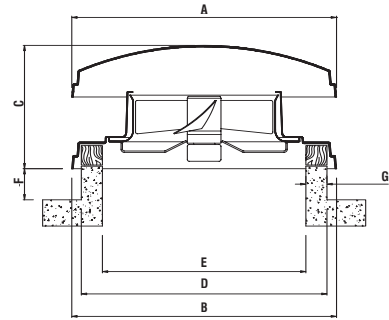
- XRC315-350 Ref. 91051AA
- XRC400-450 Ref. 91053AA
- XRC500-560 Ref. 91055AA
- XRC630-710 Ref. 91056AA
- XRC800-1000 Ref. 92195AA

- Cowl and base manufactured in fibreglass with glass UV stable finish
- Colour - Goose wing Grey
- Suitable for air inlet or out applications
- See page 113 for cowl dimensions and curb details



Dimensions (mm)

XRA Range



MODEL	A	B	C	D	E	F	G
XRA315	737	737	368	650	450	100	100
XRA355	737	737	368	650	450	100	100
XRA400	830	830	410	750	550	100	100
XRA450	830	830	410	750	550	100	100
XRA500	1000	1000	466	850	650	100	100
XRA560	1000	1000	466	850	650	100	100
XRA630	1100	1100	608	990	790	100	100
XRA710	1100	1100	608	990	790	100	100
XRA800	1403	1403	705	1300	1100	100	100
XRA1000	1403	1403	705	1300	1100	100	100

Typical Specifications on page 176.
Wiring Diagrams on page 188.
Control Details on pages 154.

Performance

XRA single phase

