

Xpelair XMV

Mixed flow vertical discharge roof fans



Key features

Type:	Mixed flow roof
Application:	Commercial/Industrial
Control options:	Starters/Transformer speed control



The Range

The Xpelair roof mounted mixed flow vertical discharge roof **XMV** range is an ideal solution for the ventilation of high temperature applications up to 100°C, such as commercial kitchens, in-store bakeries, school kiln rooms and a wide range of industrial processes.

Designed for horizontal installation on roofs, the **XMV** range features a unique high performance aluminium-polyamide mixed flow impeller and twin-wall casing design. This construction and a motor located out of the air-stream means it can be used with air-duct temperatures of up to 100°C.

The **XMV** range is available in six diameters from 225mm to 500mm all with IP55 Class F motors, safety thermal

overload protection and an integral service isolator. The tough mouldings are manufactured in High density polyethylene which is UV stabilised, resistant to all weather conditions down to -30°C and, to meet regulatory requirements, is 100% recyclable.

By including a high velocity vertical discharge pattern in the design of the **XMV** range, Xpelair has minimised the risk of extracted air re-entering the building.

Supply voltage: 220-240V 50Hz.

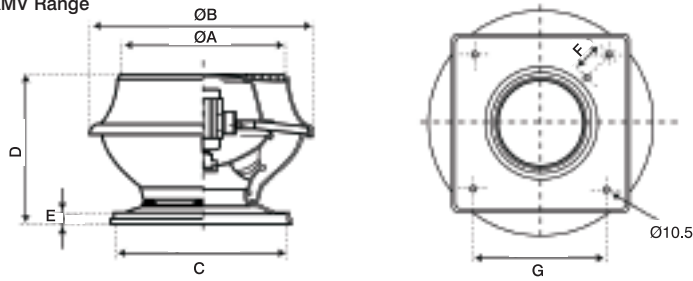
As part of our desire to develop increasingly sustainable products the Xpelair XRA and XMV roof cowl are now 100% recyclable.

Select the right product for your application

	XMV225-14	XMV250-14	XMV315-14	XMV400-14	XMV225-16	XMV250-16	XMV315-16	XMV400-16	XMV450-16	
Reference number	91346AW	91347AW	91348AW	91349AW	91356AW	91357AW	91358AW	91359AW	91360AW	
Diameter (mm)	225	250	315	400	225	250	315	400	450	
4 or 6 pole	4	4	4	4	6	6	6	6	6	
Nominal fan speed	1400	1400	1400	1400	900	900	900	900	900	
Extract performance (m³/s)	0Pa	0.53	0.83	1.25	1.48	0.35	0.53	0.79	0.98	1.55
	50Pa	0.46	0.76	1.18	1.44	0.26	0.46	0.68	0.89	1.43
	100Pa	0.41	0.69	1.11	1.34	0.11	0.30	0.47	0.72	1.25
	150Pa	0.32	0.62	1.00	1.16			0.18	0.50	1.06
	200Pa	0.20	0.53	0.89	1.07				0.40	0.83
	250Pa		0.39	0.69	0.90					0.46
	300Pa		0.14	0.55	0.75					
	350Pa			0.21	0.56					
	400Pa				0.27					
450Pa										
500Pa										
Sound pressure level (dB(A))@3m	48	52	56	58	48	52	56	58	60	
Max electrical power (kW)	0.09	0.18	0.37	0.55	0.09	0.18	0.37	0.55	1.1	
Running current (A)	0.8	1.8	2.6	3.4	0.34	0.63	1.1	1.5	2.6	
5 step transformer (Ref.)	91367AA	91368AA	91368AA	91369AA	91367AA	91367AA	91367AA	91368AA	91368AA	
Starter (Ref.)	91372AA	91372AA	91372AA	91372AA	91372AA	91372AA	91372AA	91372AA	91372AA	
Weight (kg)	12	15	18	21	12	15	18	21	26	
Guarantee (years, UK)	2	2	2	2	2	2	2	2	2	

Dimensions (mm)

XMV Range

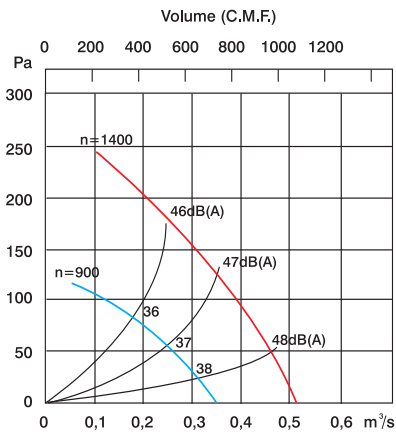


Dimensions (mm)							
Model	A	B	C	D	E	F	G
XMV225	466	622	425	415	40	75	330
XMV250	540	710	565	435	40	100	450
XMV315	588	768	565	500	40	100	450
XMV400	640	860	645	550	40	120	535
XMV450	740	990	710	640	50	120	590

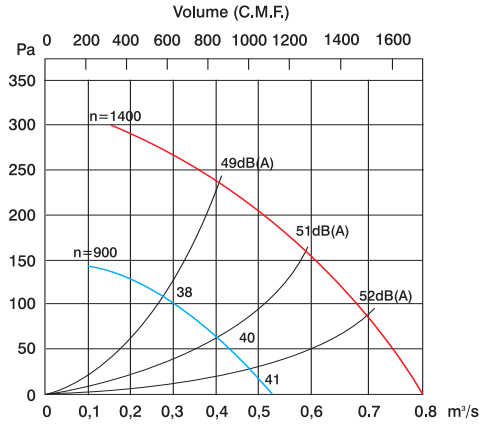
Typical Specifications on page 176.
Wiring Diagrams on page 189.

Performance

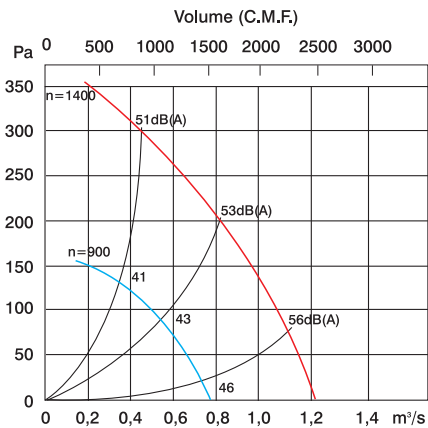
XMV225



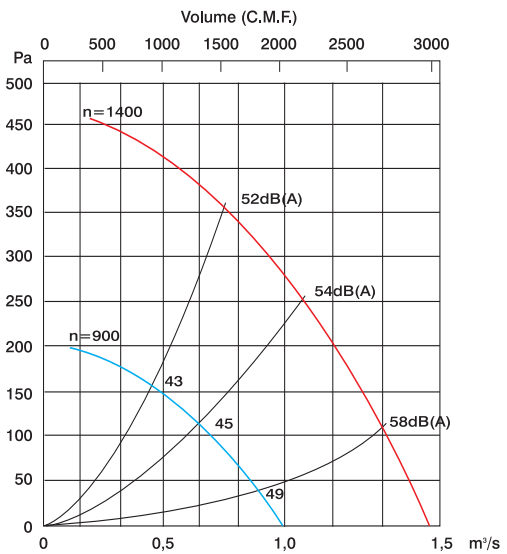
XMV250



XMV315



XMV400



XMV450

