

**Key features**

Type: Attenuated roof extract  
 Application: Commercial/Light industrial  
 Control options: Electronic / 5 step transformer speed controller

**The range**

A high performance centrifugal fan for roof mounted applications. Models available for extract only, with bottom inlet. All models are manufactured from mill finish aluminium offering high protection against corrosion. The compact design allows the fans to be mounted direct on to up-stands or plenum boxes. The high efficiency motor makes the fans particularly suitable for applications where low noise operating levels are required. Alternative designs, such as units with rear inlet and air input versions are also available to special order. Please contact Xpelair CustomVent Division where we specialise in bespoke solutions. Further details page 288.



**Technical specification**

Casings Unit casings are manufactured from best quality marine grade aluminium with access from top. Reinforced fixing points are incorporated into curbbase to facilitate mounting bolts. All permanent fixings are rivetted and all removable items are retained via setscrews and nutserts. Fan mounting plate incorporates 'damped panel' technology and are easily removable via access panel. Fan Deck Incorporates 'damped panel technology' developed to considerably reduce fan deck resonance. Xpelair's visco-elastic polymer laminate construction is particularly effective at reducing resonance in the lower frequency octave bands. MAX attenuation CFC and HFC-free, class 'O' open cell expanded foam, for thermal and acoustic purposes, with a maximum thermal conductivity of 0.035W/mK, fully in compliance with London Borough and CCA airport authority flammability and toxicity requirements. Adhesive is a light and ageing resistant modified acrylic synthetic resin with high temperature tolerance. Fans Single-inlet, single width, or double-inlet, doublewidth, centrifugal type with high efficiency, low noise, forward-curved, multiblade galvanised sheet steel impellers housed within galvanised steel scrolls. Motor/impeller assemblies are statically and dynamically balanced, in two planes, in accordance with BS 5265, Part 1, 1979 to G2.5. Fans are mounted individually on to fan decks to facilitate easy removal. Motors Totally enclosed, high-efficiency, split-capacitor, external rotor type with power factors of better than 0.9. Max. ambient operating temp. at least 40°C. (Motors rated to 50°C are available to special order.) Bearings are sealed-for-life, maintenance-free, ball bearing type with a minimum life expectancy of 50,000 hours under design operating conditions. Thermal contactors are incorporated into the windings to ensure overload protection. Insulation is to Class B or F with enclosure to IP44 or IP54. Electrical supply 220-240V single phase 50Hz or 400- 415V three phase 50Hz. Terminal Box Electrical connections can be wired via an external terminal box, with removable cover, in accordance with I.E.E. 16th. Edition, (BS7671), and tested to ensure full earth continuity. Controllers Suitable for use with 5 step transformer speed control.

**Product variations**

XSRA500/5	XSRA500/3	XSRA500/2	XSRA500/4	XSRA500/1	XSRA400/3	XSRA400/2	XSRA400/1	XSRA315/2	XSRA315/1	XSRA250	XSRA200	XSRA150	XSRA125	XSRA100	X
600	500	500	500	500	500	400	400	400	315	315	250	200	150	125	100
0.00	0.00	0.00	1.55	1.89	1.28	0.00	1.05	0.72	0.70	0.56	0.54	0.24	0.19	0.13	0.07
0.00	1.95	0.00	1.47	1.80	1.19	0.00	1.02	0.70	0.68	0.53	0.51	0.23	0.19	0.12	0.07
0.00	1.85	0.00	1.39	1.69	1.10	0.00	0.98	0.68	0.66	0.49	0.46	0.21	0.18	0.12	0.06
0.00	1.74	0.00	1.28	1.58	0.97	0.00	0.95	0.66	0.64	0.43	0.40	0.19	0.17	0.11	0.06
2.75	1.62	0.00	1.17	1.44	0.83	1.00	0.91	0.64	0.62	0.33	0.30	0.18	0.16	0.11	0.05
2.70	1.39	0.00	1.00	1.24	0.60	0.92	0.85	0.58	0.56	0.03	0.03	0.15	0.14	0.10	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.53	0.52	0.00	0.00	0.14	0.12	0.09	0.04
2.64	1.04	0.00	0.78	0.78	0.20	0.86	0.75	0.48	0.47	0.00	0.00	0.12	0.11	0.08	0.04
2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.35	0.34	0.00	0.00	0.10	0.09	0.07	0.03
2.22	0.60	0.00	0.11	0.00	0.00	0.75	0.58	0.17	0.16	0.00	0.00	0.07	0.07	0.05	0.00
1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.05	0.04	0.03	0.00

0.67	0.00	1.61	0.00	0.00	0.00	0.40	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
0.13	0.00	1.53	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	800	1300	800	770	710	1130	1210	1100	1100	1300	1300	1150	1150	1150	2150
3700	1750	2600	1400	1700	1100	1050	1100	700	700	360	360	195	195	195	88
7.00	3.00	4.30	2.60	7.80	5.20	4.70	6.00	3.00	3.00	1.60	1.60	1.00	1.00	1.00	0.40
20.00	11.00	17.50	11.00	10.00	9.00	8.80	16.00	7.50	7.50	4.50	4.50	3.00	3.00	3.00	1.00
F	F	F	F	F	F	F	F	B	B	F	F	B	B	B	B
IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP44	IP44	IP44	IP44	IP44	IP44	IP44	IP44	IP44
201	120	118	117	136	117	85	72	65	65	48	35	25	24	24	23
Three Phase	Three Phase	Three Phase	Three Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase

