G03 · SHELTER VENTILATION UNITS

AS-SHU-3

Commercial Shelter Ventilation Units

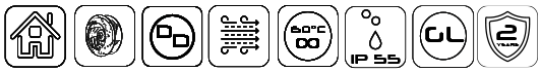


AS-SHU shelter ventilation units are designed in full compliance with the regulation under Building Code No. 3194. They include the filters the regulation specifically requires: a G4 dust filter, an activated carbon odour filter and an NBC filter that captures nuclear, biological and chemical fallout.

In peacetime the damper can be set to the reverse position so that air passes only through the G4 dust filter and the other filters keep their properties. The galvanized sheet steel casing has rectangular connections and is installed indoors, with horizontal air discharge. The direct-driven centrifugal impellers are made of galvanized sheet steel.

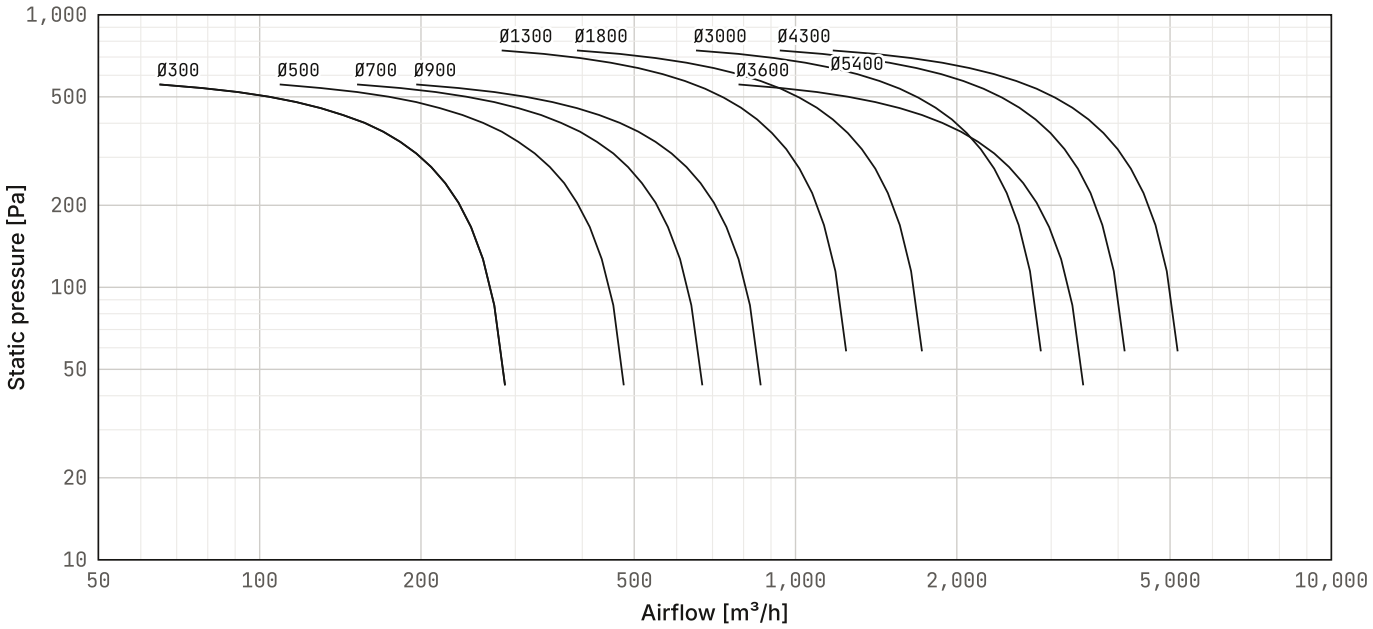
The external-rotor motors are 2- or 4-pole units for a 230 V single-phase supply, with IP44 protection and class F insulation, rated for S1 and S2 duty. Versions for 50 Hz and 60 Hz supplies are available. Operating air temperature: −20 °C to +60 °C. Standards: IEC 60335-2-80, ISO 1940-1.

AIRFLOW UP TO	STATIC PRESSURE UP TO	IMPELLER Ø	MOTOR POWER
5,400 m³/h	800 Pa	300 – 5,400 mm	0.11 – 1.4 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,320 – 2,712 min⁻¹	230 V 1~ · 50 Hz	60°C	IP44 · F



Selection chart

50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



Technical data 50 Hz

Model	Ø [mm]	Motor [kW]	Speed [min⁻¹]	Supply	I [A]	Max. airflow [m³/h]	Max. pressure [Pa]	LpA 1 m [dB(A)]
AS-SHU-3	300	0.11	2,710	230 V 1~	1.6	300	600	94
AS-SHU-3E	300	0.11	2,710	230 V 1~	1.6	300	600	104
AS-SHU-5	500	0.11	2,680	230 V 1~	1.6	500	600	96
AS-SHU-7	700	0.11	2,712	230 V 1~	1.6	700	600	100
AS-SHU-9	900	0.11	2,712	230 V 1~	1.6	900	600	101
AS-SHU-13	1,300	0.11	2,610	230 V 1~	1.6	1,300	800	104
AS-SHU-18	1,800	0.48	1,465	230 V 1~	0.9	1,800	800	94
AS-SHU-30	3,000	0.69	1,420	230 V 1~	0.8	3,000	800	96
AS-SHU-36	3,600	0.85	1,365	230 V 1~	1.2	3,600	600	100
AS-SHU-43	4,300	1.4	1,370	230 V 1~	1.6	4,300	800	101
AS-SHU-54	5,400	1.4	1,320	230 V 1~	1.6	5,400	800	101

Sound power level Lw [dB] per octave band casing radiated · 63–8000 Hz

Model	63	125	250	500	1k	2k	4k	8k	Total	LpA 1 m [dB(A)]
AS-SHU-3	87	92	94	95	95	94	92	87	**102**	94
AS-SHU-3E	97	102	104	105	105	104	102	97	**112**	104
AS-SHU-5	89	94	96	97	97	96	94	89	**104**	96
AS-SHU-7	93	98	100	101	101	100	98	93	**108**	100
AS-SHU-9	94	99	101	102	102	101	99	94	**109**	101
AS-SHU-13	97	102	104	105	105	104	102	97	**112**	104
AS-SHU-18	87	92	94	95	95	94	92	87	**102**	94
AS-SHU-30	89	94	96	97	97	96	94	89	**104**	96
AS-SHU-36	93	98	100	101	101	100	98	93	**108**	100
AS-SHU-43	94	99	101	102	102	101	99	94	**109**	101
AS-SHU-54	94	99	101	102	102	101	99	94	**109**	101

Notes

Sound pressure level at 1 m (free field) from the AEROMIS product database.
10 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.