

VELIC-ROOF

AXIAL ROOF FAN VERTICAL DISCHARGE WITH SHUTTER



FIELD OF APPLICATION

VELIC-ROOF line is designed to extract large volumes of air, in roof installations. For instance: ventilation of big industrial plants, hangars, power plants etc. It consists of an outer casing, containing the gravity shutter, below which an ELIC fan shall be fixed. The shutter opens thanks to the airflow generated by the fan and closes by gravity, preventing rain and wind entrance from outside and the dispersion of heat from inside.

SERIES

This line consists of 6 sizes with impeller diameter from 560 up to 1000 mm.

ADVANTAGES

The main characteristic of this line is the higher efficiency if compared with the axial roof fan with horizontal discharge, due to the lower resistance of the gravity shutter compared to the cap.

ARRANGEMENT

- Outer casing with steel sheet panels including base, protected the atmospheric agents.
- Gravity shutter with aluminum fans.
- Outlet protection grid protected against the atmospheric agents.
- Inlet nozzle
- Axial fan series ELIC (description and performances as per ELIC catalogue section), protected against the atmospheric agents, impeller with airfoil profile blades, variable pitch angle in still position, in techno-polymer and hub in die cast aluminum alloy. Asynchronous three-phase electric motor, protection IP55 Is. class F, service S1, construction according to IEC/EEC (UNEL MEC).
- Predisposition with loose cables for connection outside the roof-fan or internally in the building
- Arrangement 4 (directly coupled with impeller).

ON DEMAND

- Versions with die-cast aluminum blades.
- Predisposition with inlet flange, TUBE-type, for ducting versions (see TUBE accessories)

OPTIONALS

- Flat protection grid (RPP). (Mandatory for free air)
- Outer terminal box (MRS)
- Service switch (IS)
- Silencers (SLC-DU) (only with inlet flange, TUBE-type)

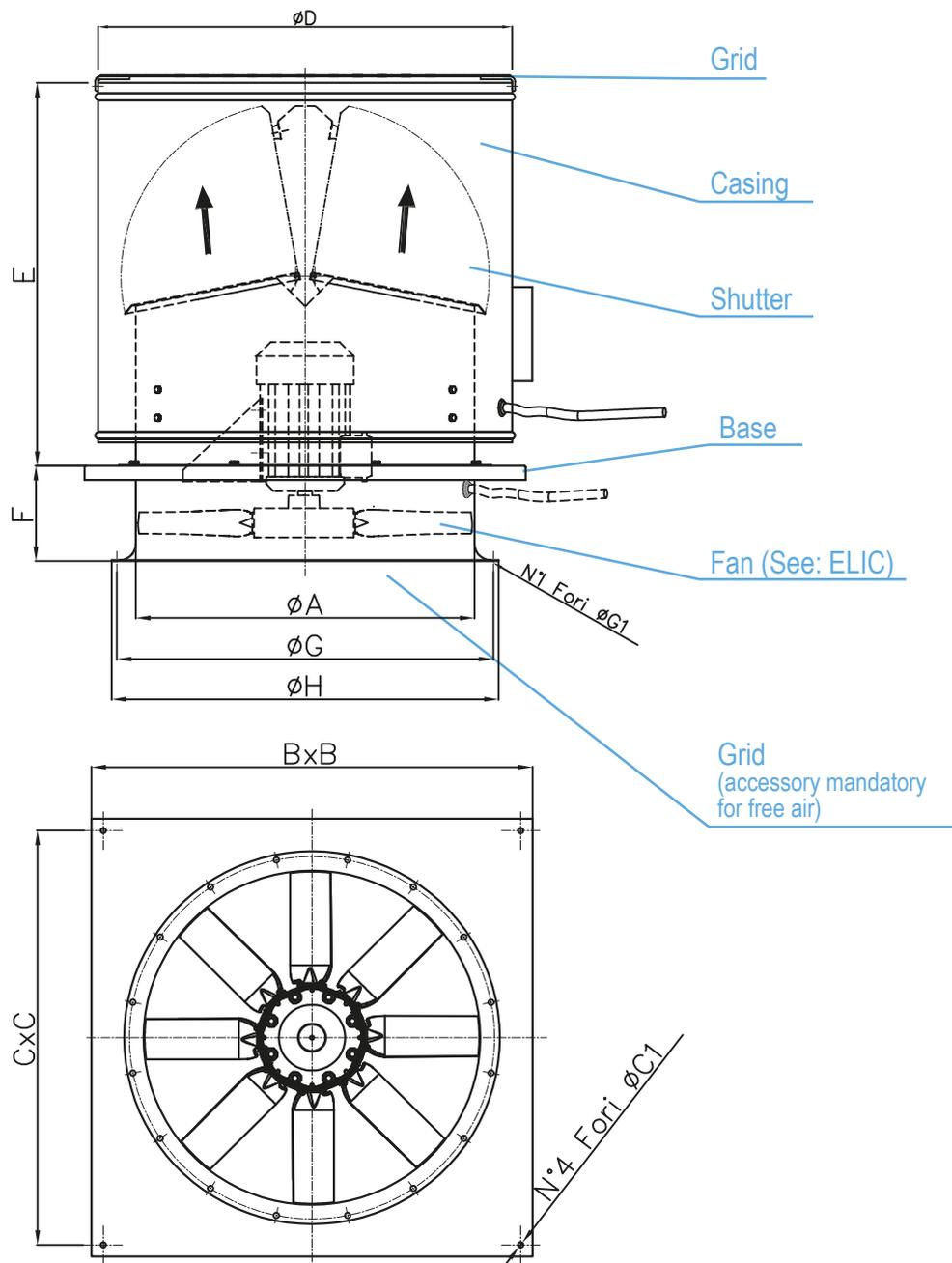
Attention snow load shall block the opening of the shutter.



VELIC-ROOF Dimensions

Model	Mot. (H) max	ØA	BxB	CxC	ØC1	ØD	E	F	ØG	ØG1	ØH	n°l	kg*
560	100	570	760	710	10	730	720	180	645	10	680	8	45
630	100	640	930	870	10	810	760	180	720	10	750	8	60
710	112	710	930	870	10	870	790	200	780	12	816	8	70
800	132	815	1150	1050	12	960	870	200	880	12	915	8	85
900	160	915	1300	1200	12	1070	1070	250	980	12	1015	16	95
1000	180	1015	1300	1200	12	1170	1170	300	1080	12	1115	16	115

*weight without fan - dimensions in mm



Refer to the performances of the fans ELIC 560-1000 4 - 6 pole versions.

Deduct the pressure loss of the gravity shutter about half of the dynamic pressure of the relevant fan.