



DUCT SO – Portable and adjustable axial fan

Protection mode:

Type of protection: II 2G or II 3G IIB T3
Class of temperature: T3
Ambient Temp: -20/+40°C



APPLICATIONS

DUCT-SO fans may be dislocated and dragged anywhere since they are stood on a pedestal and oriented with different slopes thanks to the fixing of the ventilation casing by means of hand wheels.

RANGE

This line consists of 8 sizes with impeller diameter from 310 up to 700 mm.

ADVANTAGES

The extreme compactness of the motor-impeller assembly allows to obtain a product well slighter, manageable and stable than the versions with traditional IEC motors. The perfect adjustability of the RPM in the mono-phase versions consents to fit the performances to the requirements.

CONSTRUCTION

- Casing in steel sheet epoxy coated. Fixing flanges designed according to UNI-ISO 6580 EUROVENT 1-2.
- Impeller with high efficiency airfoil blades in plastic material and hub in die-cast aluminum alloy, variable pitch angle. Balancing according to UNI 1940
- Asynchronous electric motor three or single phase with thermal protection, speed adjustable, protection IP 55, Class F insulated, service S1.
- External terminal box, connected to the motor, placed outside on the fan casing.
- Arrangement 5 (impeller directly coupled to motor shaft).
- Pedestal in tubular with hand-wheels to determine the throw position.
- Protections grids impeller and motor side.

TECHNICAL SPECIFICATIONS

DUCT-SO standard

- Conveyed air: clean, not abrasive.
- Temperature of conveyed air: -20°C / +50°C.
- Voltage:
 - three phase version (T) 400V-3Ph.
 - single phase version (M) 230V-1Ph.
- Frequency: 50Hz.
- Outer terminal box.
- Air flow from motor to impeller: position A (FMG).

ACCESSORIES

- Inlet nozzle (IN).
- Speed regulator (SR) directly fitted on the casing.
- Service switch (SW).

ON REQUEST

Versions with die-cast aluminum blades.



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Performances :



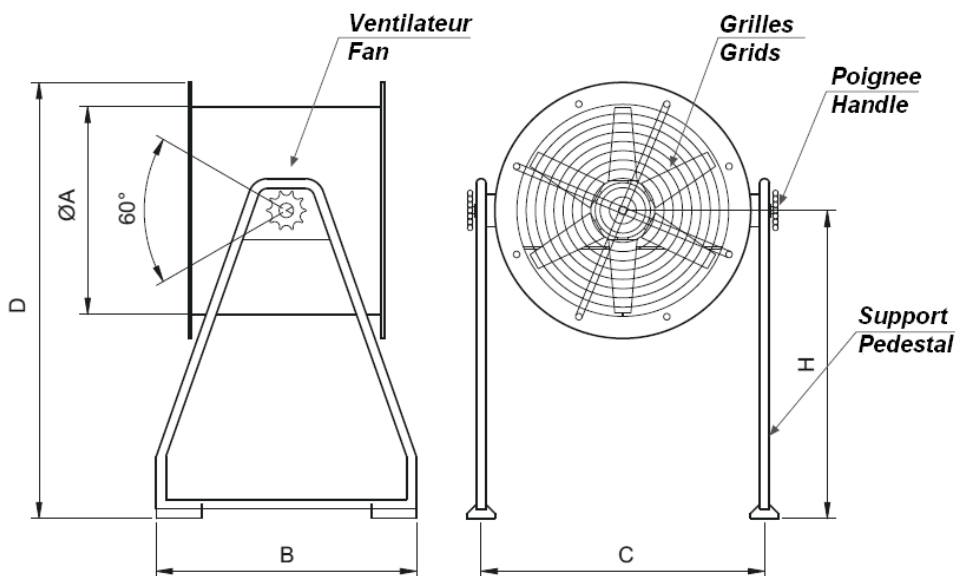
4 poles (1400 rpm) - mono-phase (1Ph-230V 50Hz)

Model	Flow rate (m ³ /h)	Pm (kW)	In max (A)	Lp dB(A)
314 M	2.300	0,12	1	50
354 M	3.200	0,12	1	54
404 M	4.400	0,12	1,1	55
454 M	6.000	0,25	1,5	58
504 M	7.900	0,35	1,8	62
564 M	11.000	0,55	3,6	69

4 poles (1400 rpm) - three-phase (3Ph-400V 50Hz)

Modello Model	Portata - Flow rate (m ³ /h)	Pm (kW)	In max (A)	Lp dB(A)
314 T	2.300	0,12	0,6	50
354 T	3.200	0,12	0,6	54
404 T	4.400	0,12	0,65	55
454 T	6.000	0,25	0,85	58
504 T	7.900	0,35	1,1	62
564 T	11.000	0,55	1,9	69
634 T	13.000	0,74	2,3	72
714 T	17.000	1,1	2,8	73

Dimensions:



Model	ØA	B	C	D	H
31	320	480	480	660	460
35	360	480	520	680	460
40	410	480	590	700	460
45	460	480	640	730	460

Model	ØA	B	C	D	H
50	510	730	690	1015	720
56	570	730	750	1045	720
63	640	730	820	1080	720
71	710	730	900	1120	720