

Sound-insulated centrifugal fans

Iso-ZS

Air capacity – up to 3930 m³/h



Use

- Supply and exhaust ventilation systems installed in premises with high requirements to the noise level.
- Compatible with Ø 250 or 315 mm round air ducts.

Design

- Galvanized steel casing internally filled with 30 mm thermal- and sound-insulating layer made of non-flammable foamed polyurethane.
- Connecting spigots are equipped with rubber seals.
- External terminal block for power supply.
- Lifting lugs facilitate hanging and transportation operations.
- Modifications with two Ø 250 mm suction spigots are available specifically for multi-port ventilation solutions (**Iso-ZS 315/2x250**).



Motor

- Four- or six-pole asynchronous motor with external rotor and double intake centrifugal impeller with forward curved blades.
- The motor is installed on specially designed vibration-damping mounts to absorb vibration and noise.
- Equipped with ball bearings for longer service life.
- Integrated thermal protection with automatic restart.
- Dynamically balanced turbine.

Speed control

- Smooth speed control with an external thyristor controller or step speed control with an external auto transformer (both available upon separate order).

Mounting

- Mounted with round air ducts.
- Suitable for installation in any mounting position with respect to air flow direction in the system, fixed with supports or brackets.
- Suspended to ceiling with mounting lugs.
- Flexible air ducts are fixed on fan spigots with clamps.


Modifications and options

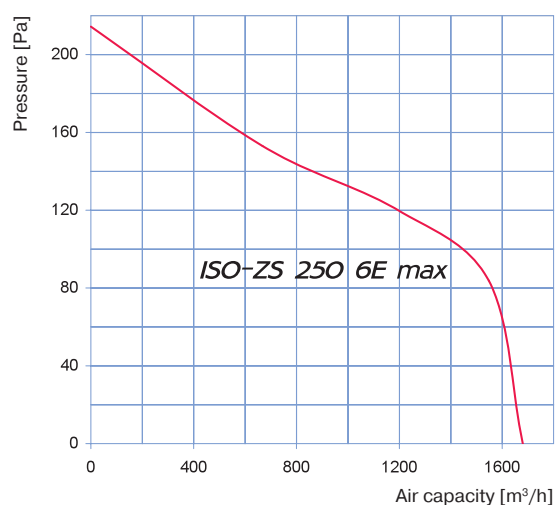
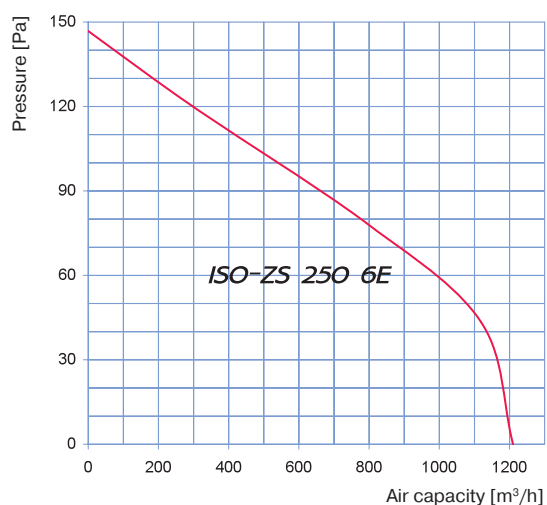
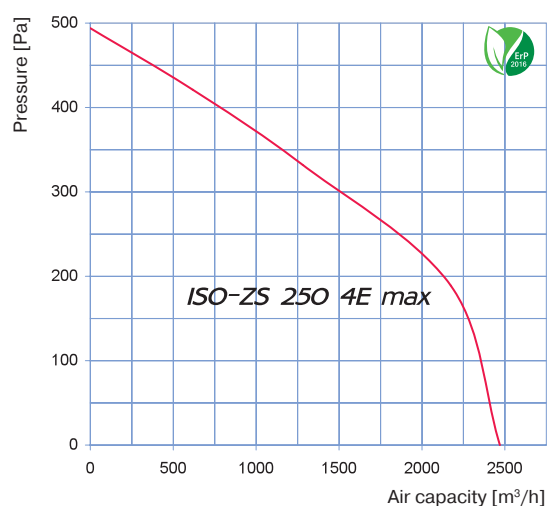
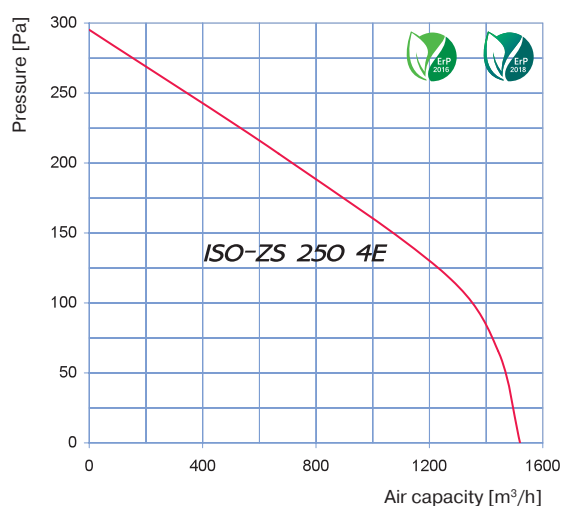
- G** – temperature and speed controller with external temperature sensor fixed on 4 m cable.
 - GI** – temperature and speed controller with a sensor built into the fan casing.
- G and GI options are used for automatic speed control depending on indoor temperature. The best ventilation solution for the premises requiring permanent temperature control as greenhouses, orangeries, etc.



- W** – the fan is equipped with a power cord and a socket or plug (**W1**).
- max** – high-powered motor.

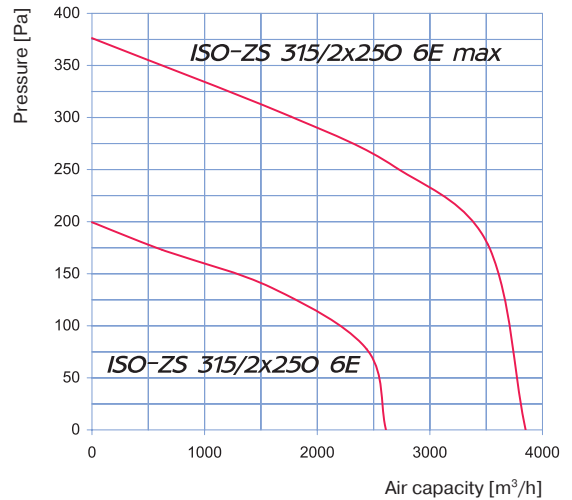
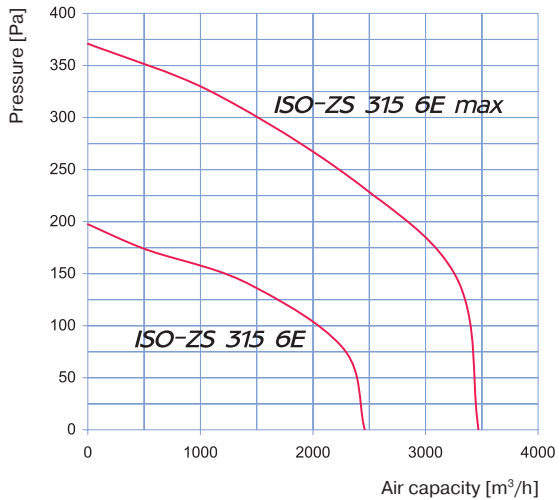
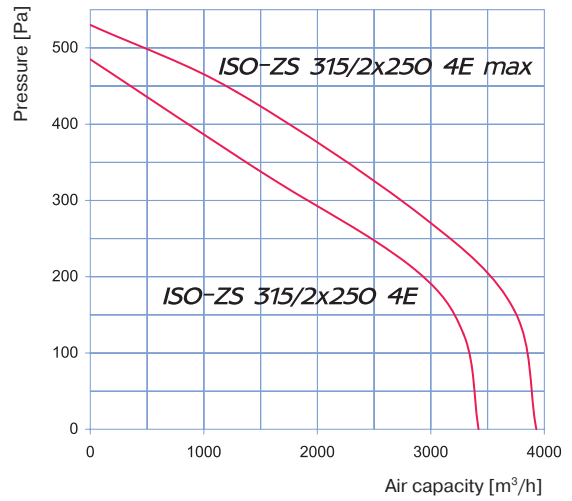
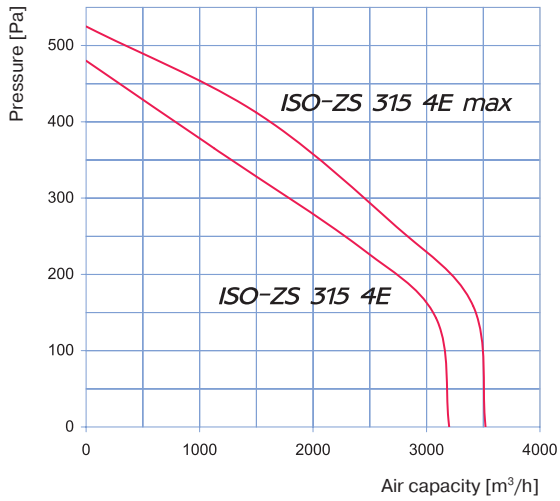
■ Specifications

Parameters	Iso-ZS 250 4E 	Iso-ZS 250 4E max 	Iso-ZS 250 6E	Iso-ZS 250 6E max
Voltage [V / 50 Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230
Power [W]	243	617	120	311
Current [A]	1.06	2.69	0.55	1.36
Maximum air capacity [m ³ /h]	1520	2470	1210	1680
RPM [min ⁻¹]	1320	1465	860	940
Sound pressure level at 3 m distance [dBA]	44	46	40	41
Max. operating temperature [°C]	-20...+50	-20...+50	-20...+50	-20...+50
SEC class	-	-	C	-
Ingress protection rating	IPX4	IPX4	IPX4	IPX4



Specifications

Parameters	Iso-ZS 315 4E	Iso-ZS 315 4E max	Iso-ZS 315/2x250 4E	Iso-ZS 315/2x250 4E max
Voltage [V / 50 Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230
Power [W]	723	931	764	1066
Current [A]	3.15	4.18	3.36	4.78
Maximum air capacity [m ³ /h]	3200	3520	3420	3930
RPM [min ⁻¹]	1350	1430	1390	1455
Sound pressure level at 3 m distance [dBA]	45	47	45	47
Max. operating temperature [°C]	-20...+50	-20...+50	-20...+50	-20...+50
Ingress protection rating	IPX4	IPX4	IPX4	IPX4



Specifications

Parameters	Iso-ZS 315 6E	Iso-ZS 315 6E max	Iso-ZS 315/2x250 6E	Iso-ZS 315/2x250 6E max
Voltage [V / 50 Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230
Power [W]	402	800	427	953
Current [A]	2.04	4.59	2.13	5.06
Maximum air capacity [m ³ /h]	2460	3470	2610	3850
RPM [min ⁻¹]	920	960	955	970
Sound pressure level at 3 m distance [dBA]	42	43	42	43
Max. operating temperature [°C]	-20...+50	-20...+50	-20...+50	-20...+50
Ingress protection rating	IPX4	IPX4	IPX4	IPX4

Overall dimensions

Type	Dimensions [mm]											Weight [kg]	Figure №
	∅D	∅d	B	B1	H	H1	H2	H4	L	L1	L2		
Iso-ZS 250 4E	248	20	453	400	433	298	216	470	568	470	400	30	1
Iso-ZS 250 6E	248	20	453	400	433	298	216	470	568	470	400	30	1
Iso-ZS 250 4E max	248	20	503	450	483	340	241	520	638	540	470	31.3	1
Iso-ZS 250 6E max	248	20	503	450	483	340	241	520	638	540	470	31.3	1
Iso-ZS 315 4E	313	20	600	550	500	340	251	537	680	580	510	33	1
Iso-ZS 315 6E	313	20	600	550	500	340	251	537	680	580	510	31	1
Iso-ZS 315 4E max	313	20	650	610	530	367	266	567	735	635	570	38	1
Iso-ZS 315 6E max	313	25	670	620	610	450	306	658	825	725	660	45	1

Type	Dimensions [mm]															Weight [kg]	Figure №
	∅D	∅D1	∅d	B	B1	B2	B3	H	H1	H2	H3	H4	L	L1	L2		
Iso-ZS 315/2x250 4E	313	248	20	600	550	171	431	500	340	176	326	537	680	580	510	33	2
Iso-ZS 315/2x250 6E	313	248	20	600	550	171	431	500	340	176	326	537	680	580	510	31	2
Iso-ZS 315/2x250 4E max	313	248	20	650	610	188	465	530	367	186	346	567	735	635	570	38	2
Iso-ZS 315/2x250 6E max	313	248	25	670	620	216	457	610	450	186	427	658	825	725	660	45	2

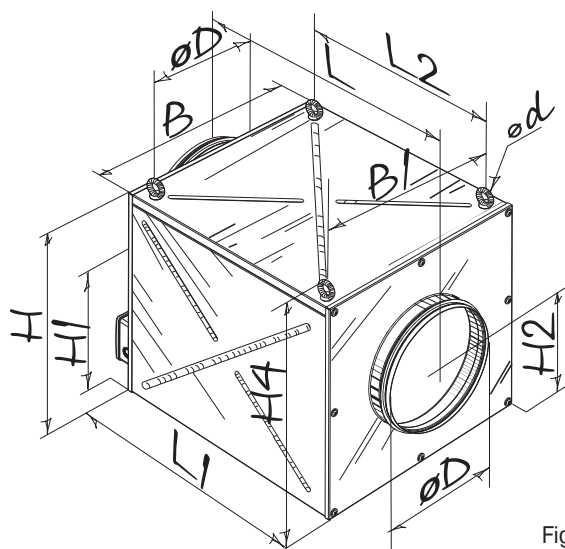


Fig.1

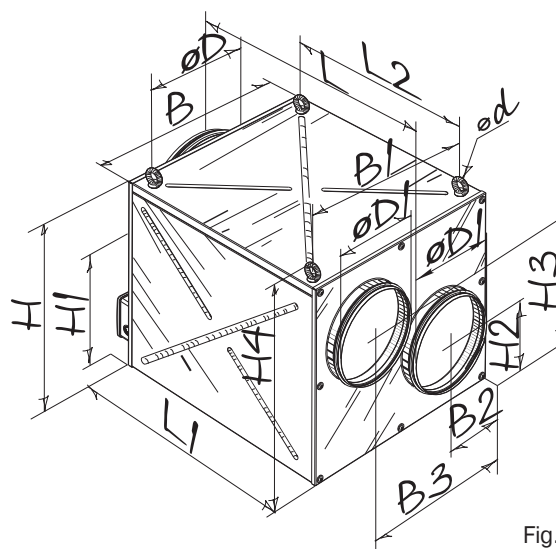


Fig.2