JET EXHAUST HOOD

Type CONEX $_1$

Application

The Conex is similar to the Sonex but is produced with a wider middle area similar to two cone shapes. The Conex jet exhaust type leads exhaust air upwards through the unit and mixes it into the atmosphere. By 'jetting' the exhaust air into the atmosphere the Conex is effective in mixing the exhaust with the atmospheric air. When ventilation systems are closed, the design prevents the intrusion of water into duct systems. The application area of the Conex is normally used for exhaust ventilation of mud and galley areas, especially areas with contaminated air.

Materials and dimensions

Standard product range is from nominal diameter Ø160 mm up to and including Ø2000 mm, and details are made with stainless steel AISI316L.

Noise data

The sound reduction achieved by the Conex will depend on the arrangement of the ducting. For the best possible result contact Acoustics for more information on self-generated noise and noise calculations according to your specific needs.

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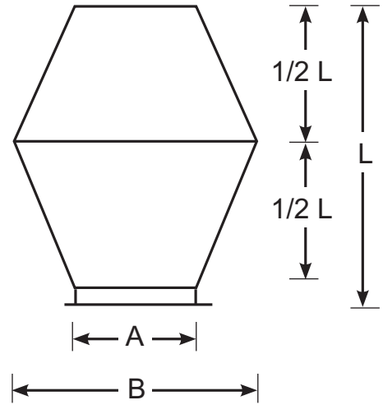
DIMENSIONS



A	B	L
mm	mm	mm
160	250	355
200	310	435
250	400	545
315	500	685
400	630	855
500	800	1055
630	1000	1315
800	1250	1655
1000	1550	1855
1250	1950	2255
1400	2285	2620
1750	2850	3250

SPECIFICATIONS

Type	Nom dia mm A	Total length mm L
CONEX$_1$		

Example: CONEX $_1$ - 800 - 1655

PRESSURE LOSSES, Pa

Total pressure loss CONEX

$$Pt = \tfrac{1}{2} * \rho * \zeta * v2$$

Pt=Total pressure loss, Pa
ζ =Pressure loss coefficient
ρ = Air density kg/m ^{3} (1,2kg/m ^{3} at temperature 20 $^\circ$ Celsius)
v= duct velocity, m/s

Type	Nom dia. mm	Pressure loss ζ
CONEX$_1$	160	3,9
	200	3,9
	250	3,8
	315	3,8
	400	3,7
	500	3,6
	630	3,6
	800	3,6
	1000	3,4
	1250	3,3
	1400	3,2
	1750	2,9