

Mix-E

Inline mixed-flow fans in metal casing

Use

- The Mix-E fans combine the versatility and outstanding performance of both axial and centrifugal fans. These units are intended for combined supply and exhaust ventilation systems which are used to transport large amounts of air at high pressure while keeping noise under control. The fans are compatible with air ducts from 355 to 500 mm in diameter. The units can be used for ventilation of residential, public and industrial spaces.



Air flow:
up to 11900 m³/h
3306 l/s



Power:
from 578 W



Noise level:
from 57 dBA



Design

- The fan casing is made of steel sheets with a polymer coating. The mounting brackets on the casing enable a variety of installation configurations. The fan casing is equipped with an external water-tight terminal box for electrical connections.

Speed control

- Infinitely variable or stepped speed regulation is provided by means of a thyristor or autotransformer controller. Several fans may share the same controller provided that the combined power output and operating current are within the controller ratings.

Motor

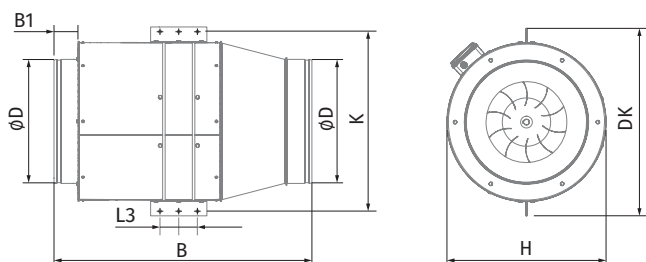
- The fan motor shaft is mated to an impeller with diagonal blades. The units are equipped with single-speed 4-pole single-phase or three-phase motors. The motors have thermal contacts built into the coils for overheating protection.

Mounting

- The fans can be installed at the inlet or outlet of the ductwork or in the middle. The ducts can be fitted at any angle relative to the fan axis. A single system may have several fans installed in parallel to boost the output capacity or in series to boost the working pressure.

Overall dimensions [mm]

Type	B	B1	D	DK	H	K	L3	Weight [kg]
Mix-E 355-4E	825	80	353	605	515	575	60	22
Mix-E 355-4D	825	80	353	605	515	575	60	22
Mix-E 400-4E	825	80	397	605	515	575	60	24
Mix-E 400-4D	825	80	397	605	515	575	60	24
Mix-E 450-4E	975	80	447	705	610	675	60	35
Mix-E 450-4D	975	80	447	705	610	675	60	35
Mix-E 500-4D	1120	100	497	805	710	775	90	44



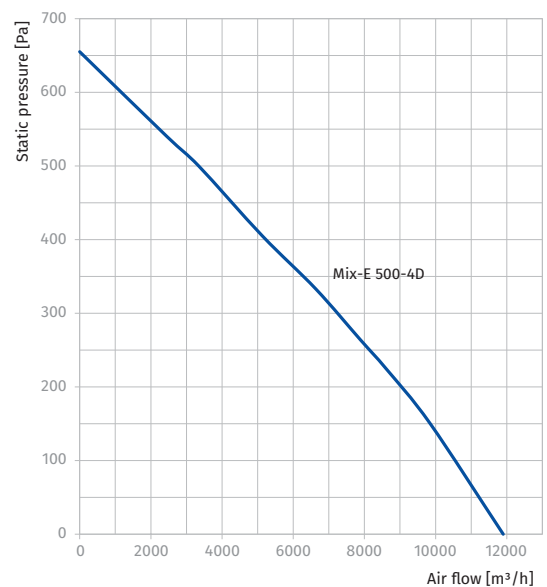
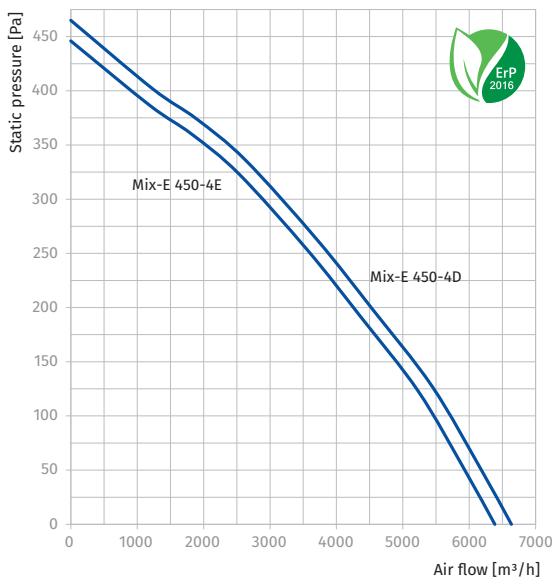
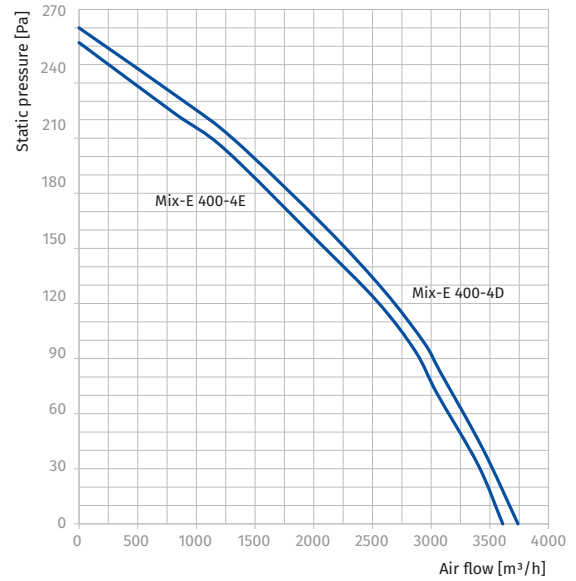
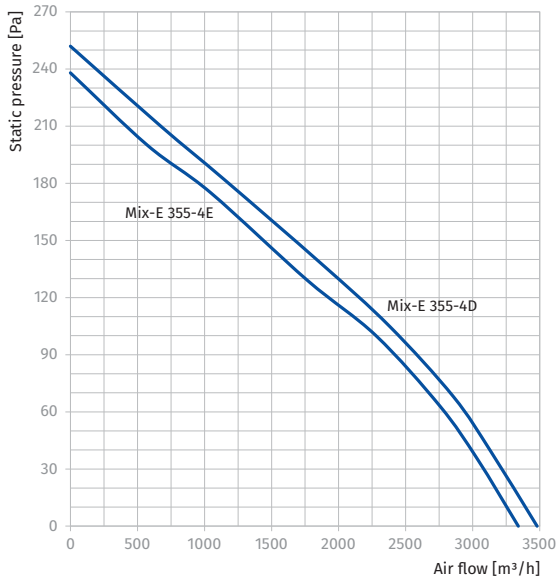
Designation key			
Series	Spigot diameter [mm]	Motor Number of poles	Phase
MIX-E	355; 400; 450	- 4	E: single-phase D: three-phase

Accessories



Technical data

Parameters	Mix-E 355-4E	Mix-E 355-4D	Mix-E 400-4E	Mix-E 400-4D	Mix-E 450-4E	Mix-E 450-4D	Mix-E 500-4D
Voltage [V / 50 Hz]	1 ~ 230	3 ~ 400	1 ~ 230	3 ~ 400	1 ~ 230	3 ~ 400	3 ~ 400
Power [W]	578	585	580	590	1200	1230	2125
Current [A]	3.42	1.77	3.43	1.78	7.72	3.43	4.68
Maximum air flow [m³/h (l/s)]	3340 (928)	3480 (967)	3610 (1003)	3740 (1039)	6385 (1774)	6635 (1843)	11900 (3306)
RPM [min⁻¹]	1480	1490	1480	1490	1475	1490	1455
Sound pressure level at 3 m [dBA]	57	57	58	58	65	65	73
Transported air temperature [°C]	-25...+60	-25...+60	-25...+60	-25...+60	-25...+60	-25...+60	-25...+60
Ingress protection rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Motor IP rating	IP44	IP44	IP44	IP44	IP44	IP44	IP44
ErP	-	-	-	-	2016	2016	-



INLINE FANS