

## Thermo fan ZenAx

Extraction just got better!





# ZenAx

## The inline-extract-solution for various applications



- For rough environments: Motor outside the airflow, up to 120°C medium temperature
- Ideal to transfer dirty, humid as well as hot air against high pressure drops
- Clean inline solution: Easy and space-saving integration into your duct system
- Easy to maintain: Easy access to the fan unit
- For industrial applications like process exhaust air, commercial kitchens and similar applications
- Registered utility patent, reference 20 2013 000 260

### Casing

The long casing is manufactured from hot dip galvanized steel to DIN EN ISO 1461 and has spun flanges according to Eurovent 1/2 for additional stability.

### Motor

Depending on the design models are equipped with controllable IEC standard motors or frequency converter control IE2 standard motors.

### Impeller

Optimized and high efficiency HD impellers with backward curved blades, manufactured from aluminium.

### Speed control

Speed controllable by transformer or frequency converter.

### Motor protection

Optimum motor protection by cold conductors (PTC) or thermal contacts (TK), to be connected to an external PTC/TK triggering device.

### Accessories

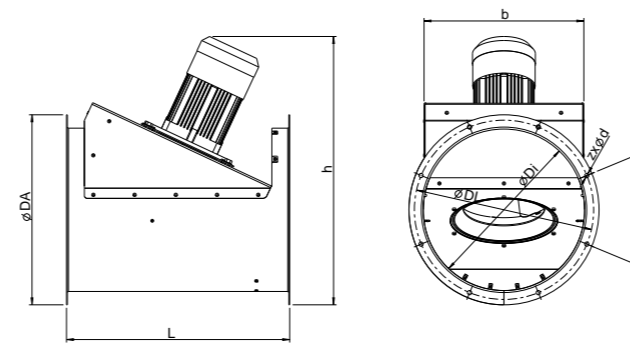
Other accessories (e.g. weather roof) on request.

### Technical data

ZenAx		400D2 IE2	400DV	400E4	450D2 IE2	450DV	450E4
Art.-no.		37077	37078	37076	37080	37081	37079
Voltage	V	400	400	230	400	400	230
Connection		Y	D/Y	-	Y	D/Y	-
Frequency	Hz	50	50	50	50	50	50
Phase	~	3	3	1	3	3	1
Power	W	1402	207	232	2574	277	373
Current	A	2.63	1.35	1.18	4.26	1.3	1.57
Max. airflow	m³/h	4100	2182	1980	6210	3103	2930
Fan impeller speed	1/min	2892	1487	1443	2887	1470	1396
Max. temperature of transported air	°C	120	120	120	120	120	120
Weight	kg	57	57	57	61	61	61
Insulation class, motor		F	F	F	F	F	F
Enclosure class, motor		IP 55	54	54	55	54	54
Capacitor	µF	-	-	12	-	-	12

ZenAx		500DV	500E4	560D4 IE2	560E4	630D4 IE2
Art.-no.		37083	37082	37166	37165	37167
Voltage	V	400	230	400	230	400
Connection		D/Y	-	Y	-	Y
Frequency	Hz	50	50	50	50	50
Phase	~	3	1	3	1	3
Power	W	672	577	1145	1166	1972
Current	A	1.45	2.38	2.11	5.05	3.56
Max. airflow	m³/h	4874	4518	6901	6746	9378
Fan impeller speed	1/min	1356	1265	1416	1389	1423
Max. temperature of transported air	°C	120	120	120	120	120
Weight	kg	72	72	72	72	72
Insulation class, motor		F	F	F	F	F
Enclosure class, motor		IP 54	54	55	54	55
Capacitor	µF	-	12	-	30	-

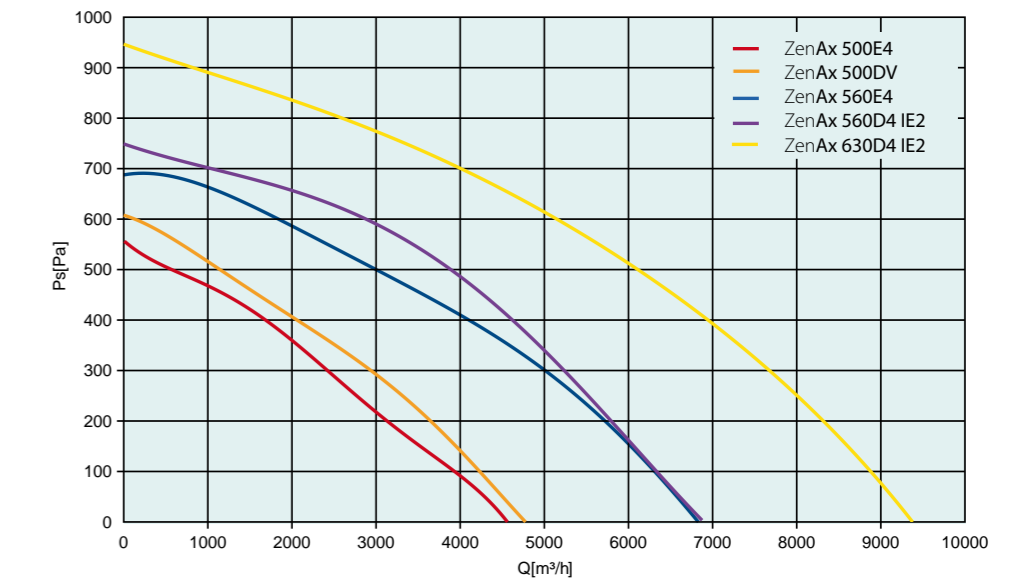
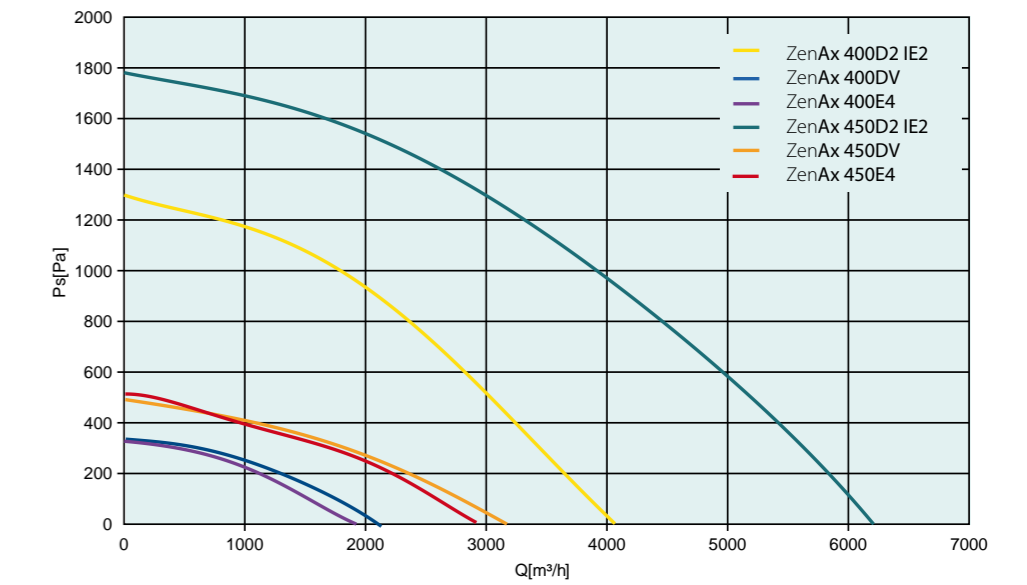
### Dimensions



ZenAx	L	ØDA	h	b	ØDi	ØDI	zx w°	zx Ød
400D2 IE2	586	480	723	392	401	450	8x45°	8xØ12
400DV	586	480	638	392	401	450	8x45°	8xØ12
400E4	586	480	654	392	401	450	8x45°	8xØ12
450D2 IE2	623	530	748	446	451	500	8x45°	8xØ12
450DV	623	530	663	446	451	500	8x45°	8xØ12
450E4	623	530	679	446	451	500	8x45°	8xØ12
500DV	720	590	728	496	501	560	12x30°	12xØ12
500E4	720	590	744	496	501	560	12x30°	12xØ12
500D4 IE2	795	650	808	558	561	620	12x30°	12xØ12
560D4 IE2	795	650	815	558	561	620	12x30°	12xØ12
560E4	795	650	815	558	561	620	12x30°	12xØ12
630D4 IE2	825	720	898	630	631	690	12x30°	12xØ12

Dimensions in mm.

### Quick selection



### Electrical accessories



**REV**  
Isolator



**FRQ**  
Speed controller



**S-DT2SKT**  
Two speed switch



**RTRD/RTRDU**  
Manual five-step transformer



**RTRE/REU**  
Manual five-step transformer



**S-ET 10/STDT16/U-EK 230E**  
Motor protection

### Accessories



**EVH**  
Flexible connection



**FSD**  
Spring damper



**GFL**  
Counterflange



**SG**  
Protection guard



**RSA**  
Silencer



**MFA**  
Mounting foot