



Anti-acid roof fans with EC motor type HF D EC

Anti-acid roof fans with built-in EC motor outside of the air flow

Brand

- Hürner Luft- und Umwelttechnik

Application

- The **HF D EC** roof fans are ideally suitable for extraction of aggressive gasses
- They are particularly applicable for the extraction in:
 - Laboratoria
 - Chemical and petrochemical industry
 - Metal treatment industry
 - Food and beverage industry
 - Water treatment systems

Composition

- The fan housing is made of fire-resistant polyethylene (PEs/PE-FR) and is composed by 2 parts bolted together
- The housing is fitted with a splinter guard
- The impeller is made of fire-resistant polypropylene (PPs/PP-FR) and is of the backward-curved blade type, statically and dynamically balanced according to Q 6.3 (VDI 2056)
- Motor out of the airflow (fully encapsulated)
- Protection: IP55
- Power supply: 230Vac 1ph

Accessories

- Roof sockets
 - Roof socket for brickwork base for HF D, type **DOHF**
 - Roof socket with base for HF D, type **DOSHF** (price on request)
 - Roof socket with sound-insulating base for HF D, type **DOGSHF** (price on request)
- Potentiometers 0-10V, type **ESCP010**
- Flexible PVC sleeve, type **PVC** (mounting only possible on roof curb DOHF, DOSHF, DOGSHF)

Options

- ATEX version follow ATEX 94/9/CE
 - ATEX 3/-G (ATEX zone 2 inside / no ATEX zone outside)
- Horizontal mounting available upon request (technical drawing can be downloaded in the downloads section)
- Potentiometer wired and mounted, price on demand

Other available products

These **HF D EC** fans are only a part of the very wide range of HF-fans. For a selection and price, perfectly tailored to your project, please send your request to engineering@cairox.be.

Order example

HF D EC 160-17D

- **HF D** = type of fan
- **EC** = EC motor
- **160** = diameter
- **17** = impeller type
- **D** = direct driven

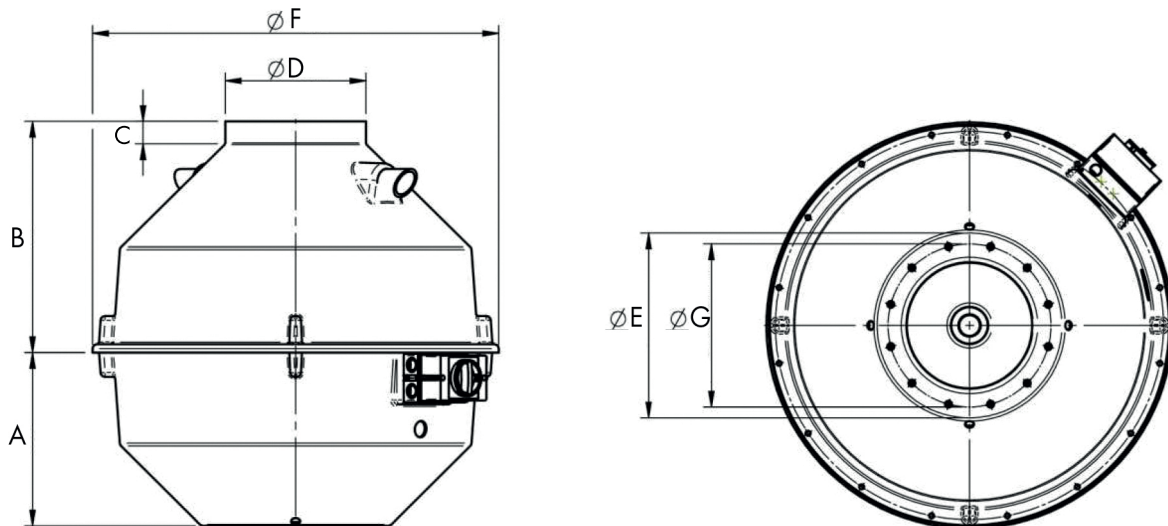
	Air performance data						
	50Pa	100Pa	200Pa	Q [m³/h]			600Pa
HF D EC 160	1850	1785	1670	300Pa	400Pa	500Pa	1175
HF D EC 200	3580	3500	3350	3210	3070	2925	2780
HF D EC 250	5180	5050	4850	4590	4350	4130	3880

Attention

The given pressure is the total pressure.

	Technical data							Lpa @ 1m [dB(A)]	
	U [V]	P [kW]	I [A]	SC _P	T _m [°C]	n [rpm]	Lpa 5 = Lpa 6		
							Lpa 5	Lpa 6	
HF D EC 160	1x230	0.37	3.3	ESCP010	40	3000	82	72	
HF D EC 200	1x230	1.1	8.7	ESCP010	40	3000	87	78	
HF D EC 250	1x230	1.1	8.7	ESCP010	40	2100	92	82	

- SC_P = Speed controller
- Lpa 2 = Sound pressure level measured at 1 m distance with ducted inlet and outlet
- Lpa 5 = Lpa 6 = Sound pressure level measured at 1 m distance in free field
- Sound pressure level measured according to DIN 45635



	Dimensions							
	A [mm]	B [mm]	C [mm]	ØD [mm]	ØE [mm]	ØF [mm]	ØG [mm]	[kg]
HF D EC 160 17D	246	308	27	160	235.5	501	200 - (8x) M8	15
HF D EC 200 17D	274	358	38	200	275	578	240 - (8x) M8	22
HF D EC 250 17D	308	411	40	250	330	722	290 - (12x) M8	28