



Acid proof centrifugal fans with EC motor type HF R EC

Acidproof centrifugal fan with EC motor

Application

- The fans are suitable for extraction of aggressive gases
- For exhaust of fume cupboards in laboratories and baths in the galvanizing industry

Composition

- The casing is made of fire resistant polyethylene (PEs/PE-FR, RAL7036)
- The housing is fitted with a splinter guard and condensate drain at its deepest point
- The impeller has been balanced statically and dynamically according to Q6.3 and in accordance with VDI 2056 - Thermoplastic materials are used for the construction of the impeller
- In the case of direct drive, the impeller is directly mounted on the motor shaft by a Taperlock bush
- The impeller can be removed without dismantle the housing
- Supply: 230Vac 1ph
- Protection: IP55
- Insulation class: F
- Integrated potentiometer for regulation of the motor
- Integrated safety switch
- Standard orientations: GR360, GL360, GR090 and GL090 - other orientations available on request

Accessories

- Flexible connections made of PVC, type **PVC**
- Set anti-vibration mounth, type **AVM**
- Protective cover for engine, type **KC EC**
- Potentiometers 0-10V, type **MTP010**
- differential pressure regulators **DMD-C**

Options

- Flameproof version in accordance with directive ATEX 94/9/CE

Order example
■ HF R EC 160-17D GR090

HF R: type of fan

EC: EC motor

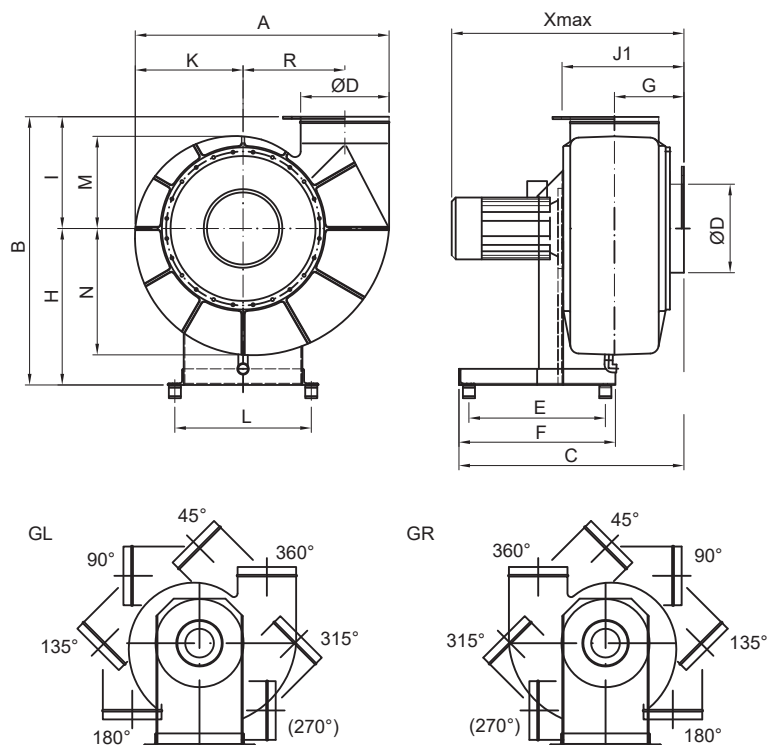
160: diameter

17: type of impeller

D: direct driven R: belt driven

GR090: casing orientation

Technical data					
	U [V]	P [kW]	I [A]	n [rpm]	Lpa 2 @ 1 m [dB(A)]
HF R EC 125 15D	1x230	0.37	2.2	3000	55
HF R EC 125 17D	1x230	0.37	2.2	3000	69
HF R EC 140 15D	1x230	0.37	2.2	3000	61
HF R EC 140 17D	1x230	0.37	2.2	3000	73
HF R EC 160 15D	1x230	0.37	2.2	3000	64
HF R EC 160 17D	1x230	0.37	2.2	3000	76
HF R EC 180 15D	1x230	1.1	5.8	3000	69
HF R EC 180 17D	1x230	1.1	5.8	3000	81
HF R EC 200 15D	1x230	1.1	5.8	3000	72
HF R EC 200 17D	1x230	1.1	5.8	3000	82
HF R EC 250 15D	1x230	1.1	5.8	3000	73
HF R EC 250 17D	1x230	1.1	5.8	3000	80



Dimensions													
	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	H [mm]	ØD [mm]	K [mm]	L [mm]	R [mm]	X max. [mm]	[kg]
HF R EC 125	367	536	420	248	298	121	238	125	156	244	149	390	13
HF R EC 140	409	575	427	248	298	128	256	140	173	248	166	405	13
HF R EC 160	456	618	479	290	340	138	280	160	193	290	183	425	13
HF R EC 180	519	656	520	314	364	156	310	180	219	314	210	516	27
HF R EC 200	582	713	548	334	384	164	342	200	245	334	235	534	30
HF R EC 250	729	838	640	400	450	188	415	250	311	400	291	584	35