Anti-acid centrifugal fans with EC motor type HF R EC

Anti-acid centrifugal fans with EC motor

Brand

- Hürner Luft- und Umwelttechnik

Application

- The fans are suitable for extraction of aggressive gasses
- They are particularly applicable for the extraction in:
  - Laboratia
  - Chemical and petrochemical industry
  - Metal treatment industry
  - Food and beverage industry
  - Water treatment systems

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 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)
- The impeller can be demounted without removing 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 **ESCP010**
- differential pressure regulators **DMD-C**

Options

- ATEX version in accordance with directive ATEX 94/9/CE
  - Standard ATEX 3/-G (ATEX zone 2 inside / no ATEX zone outside)
- Terminal box for 0-10V control, price on request

Other available products

These **HF R EC** fans are just a few 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

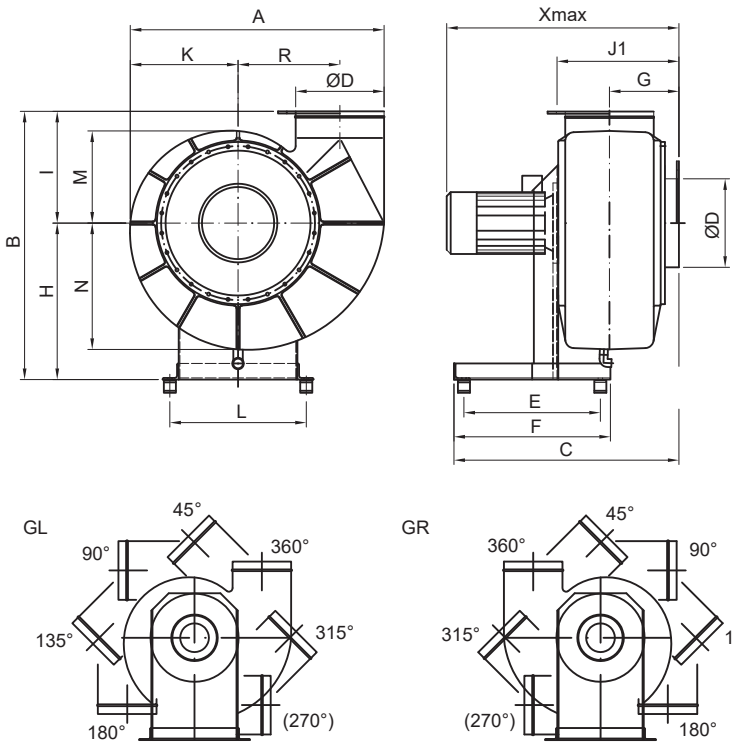
- **HF R EC 160-17D GR090**

HF R: type of fan
EC: EC motor
160: diametre
17: type of impeller
D: direct driven
GR090: casing orientation

Air performance data																		
	Q [m³/h]																	
	150 Pa	200 Pa	250 Pa	300 Pa	350 Pa	400 Pa	450 Pa	500 Pa	550 Pa	600 Pa	650 Pa	700 Pa	750 Pa	800 Pa	850 Pa	900 Pa	950 Pa	1000 Pa
HF R EC 125 15D	-	484	456	425	390	350	304	244	-	-	-	-	-	-	-	-	-	-
HF R EC 125 17D	755	725	693	660	625	587	547	503	445	400	328	228	-	-	-	-	-	-
HF R EC 140 15D	823	791	758	724	688	651	611	568	521	467	402	315	171	-	-	-	-	-
HF R EC 140 17D	1077	1044	1010	975	938	900	860	817	771	722	671	615	551	471	360	-	-	-
HF R EC 160 15D	-	-	1069	1034	997	960	921	879	835	786	733	675	610	533	408	-	-	-
HF R EC 160 17D	1567	1522	1476	1431	1385	1339	1293	1248	1204	1160	1118	1076	1034	992	951	910	857	777
HF R EC 180 15D	-	-	1739	1698	1657	1615	1572	1529	1484	1439	1392	1343	1292	1239	1183	1123	1059	989
HF R EC 180 17D	-	2311	2269	2227	2184	2141	2097	2052	2006	1959	1911	1861	1810	1756	1700	1642	1582	1519
HF R EC 200 15D	-	-	-	2350	2303	2256	2209	2161	2112	2063	2012	1960	1908	1854	1798	1739	1679	1616
HF R EC 200 17D	-	3026	3022	2922	2909	2852	2500	2737	2679	2621	2563	2505	2448	2391	2335	2280	2225	2171
HF R EC 250 15D	-	-	-	3701	3611	3520	3420	3339	3250	3161	3075	2992	2910	2831	2754	2679	2605	2532
HF R EC 250 17D	-	4069	3964	3859	3752	3645	3530	3431	3325	3211	3188	3017	2917	2819	2723	2629	2535	2442

Technical data						
	U [V]	P [kW]	I [A]	Tm [°C]	n [rpm]	Lpa 2 @ 1 m [dB(A)]
HF R EC 125 15D	1x230	0.37	3.3	60	3000	55
HF R EC 125 17D	1x230	0.37	3.3	60	3000	69
HF R EC 140 15D	1x230	0.37	3.3	60	3000	61
HF R EC 140 17D	1x230	0.37	3.3	60	3000	73
HF R EC 160 15D	1x230	0.37	3.3	60	3000	64
HF R EC 160 17D	1x230	0.37	3.3	60	3000	76
HF R EC 180 15D	1x230	0.37	3.3	60	3000	69
HF R EC 180 17D	1x230	1.1	8.7	60	3000	81
HF R EC 200 15D	1x230	1.1	8.7	60	3000	72
HF R EC 200 17D	1x230	1.1	8.7	60	3000	82
HF R EC 250 15D	1x230	1.1	8.7	60	3000	73
HF R EC 250 17D	1x230	1.1	8.7	60	3000	80

- Tm = Maximum air temperature
- 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 Lpa measured according to DIN 45635



Note: the engine is oriented towards you on the orientation diagram.

	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