



Acid proof centrifugal fans type HF R

Acidproof single inlet centrifugal fan

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
- Squirrel cage asynchronous motor
- Motor with PTC for use with frequency inverter
- Supply: 400Vac 3ph 50 Hz
- Protection: IP55
- Insulation class: F

Accessories

- Flexible connections made of PVC, type **PVC**
- Set anti-vibration mounth, type **AVM**
- Safety switch, type **SCHALTER**
- Motor protection cover, type **KC**
- Frequency controller 3x400V, type **FIS-44**

Options

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

Order example

■ **HF R 160-17D 400V 1500 rpm GR090**

HF R = type of fan

160 = diameter

17 = type of impeller

D = direct driven / R = belt driven

400V = supply

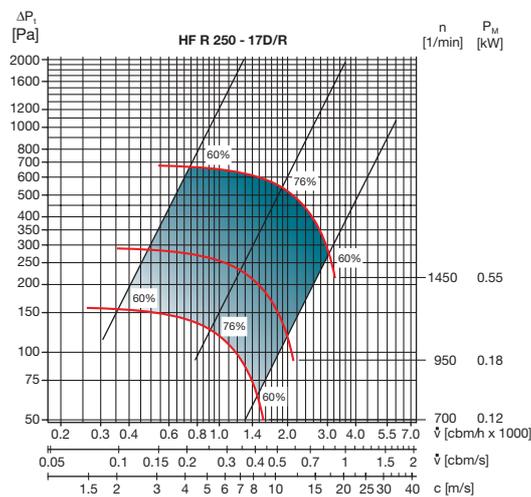
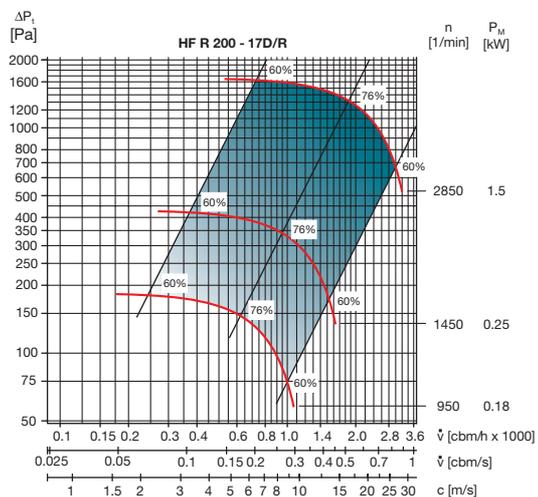
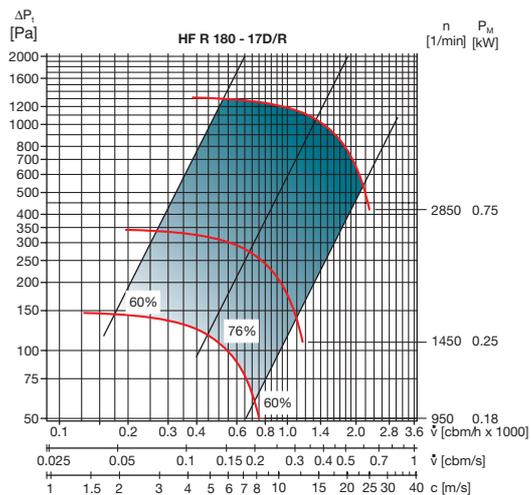
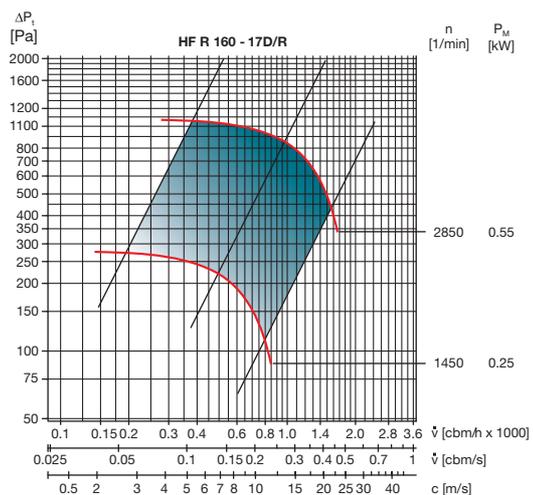
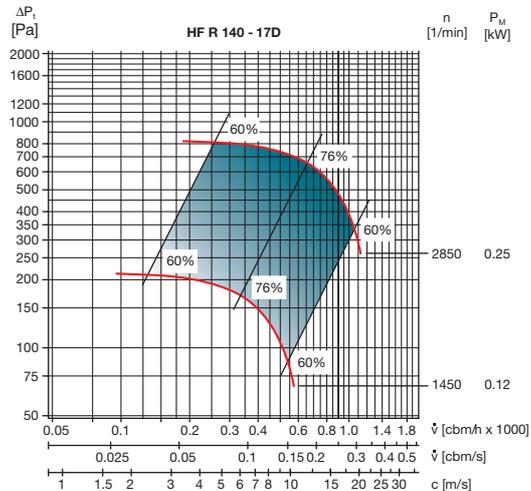
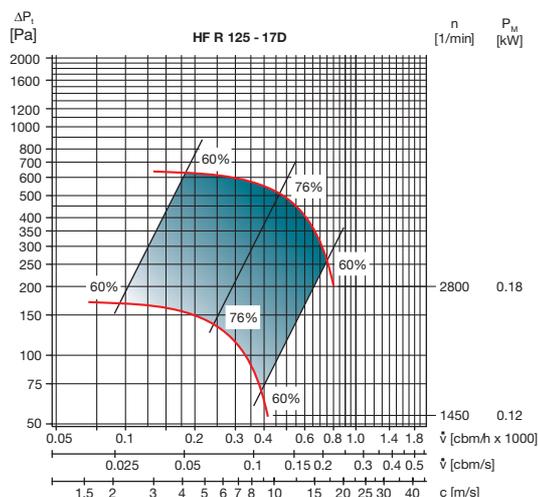
1500 rpm = speed

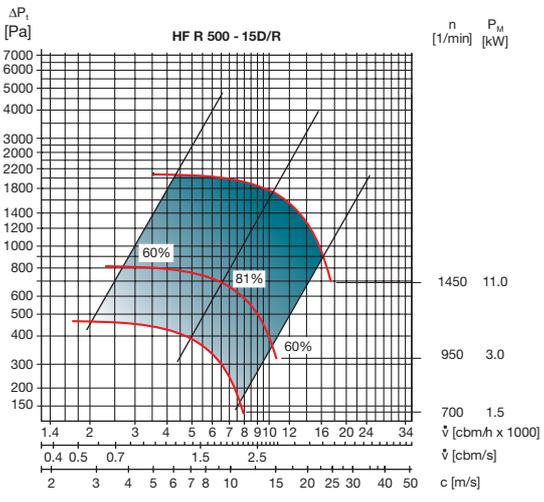
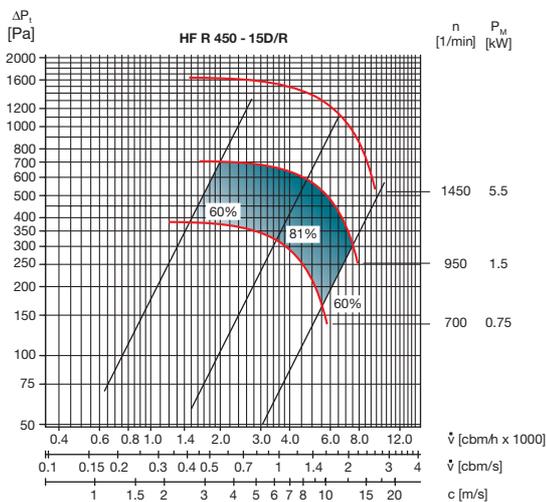
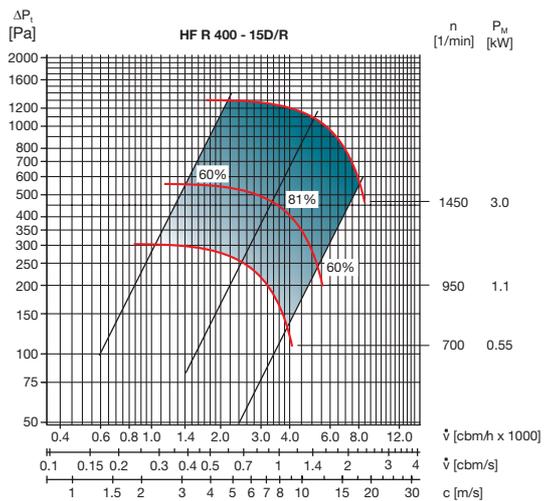
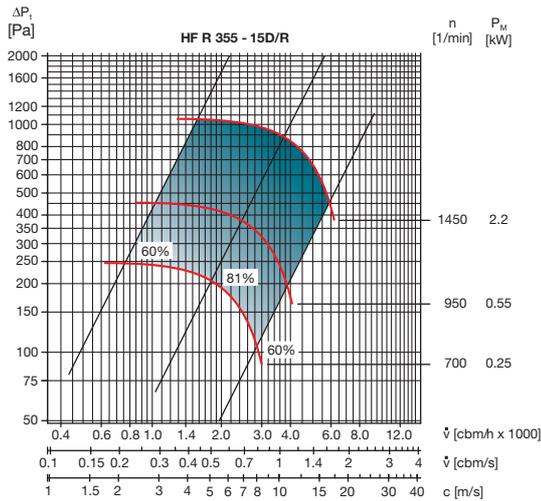
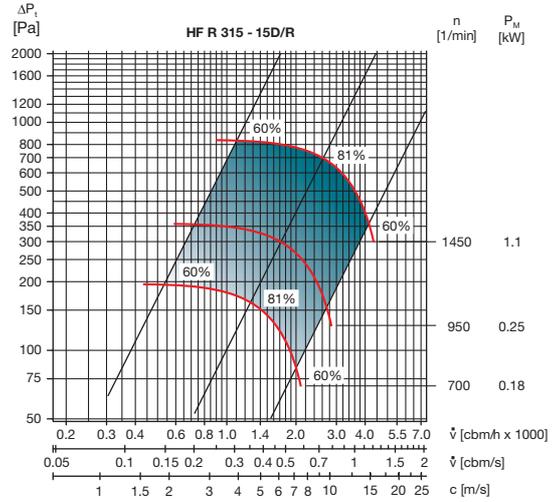
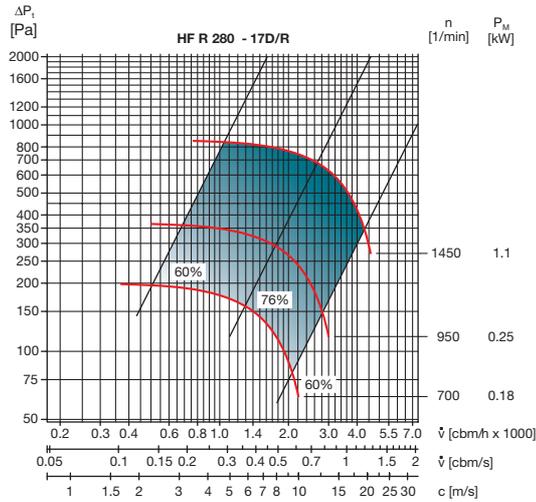
GR090 = casing orientation

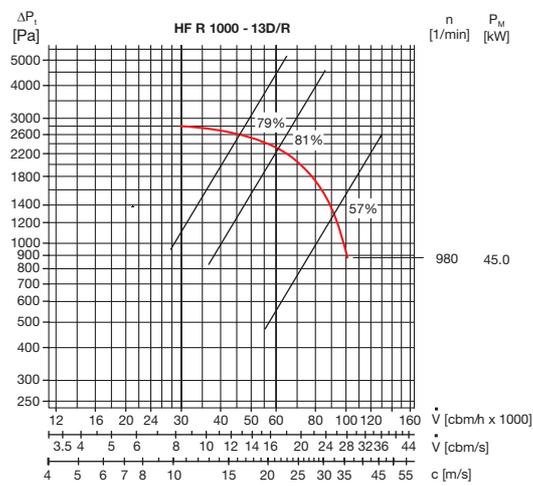
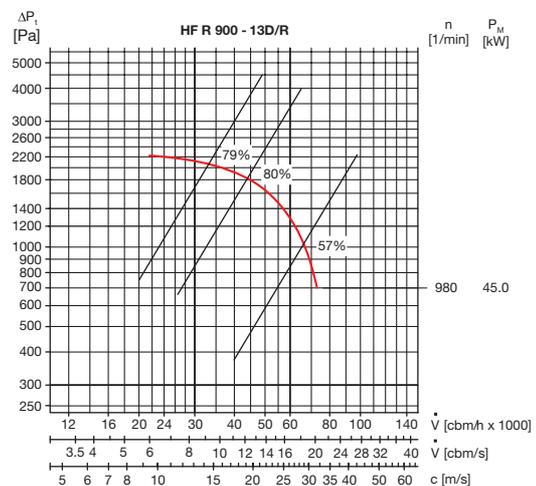
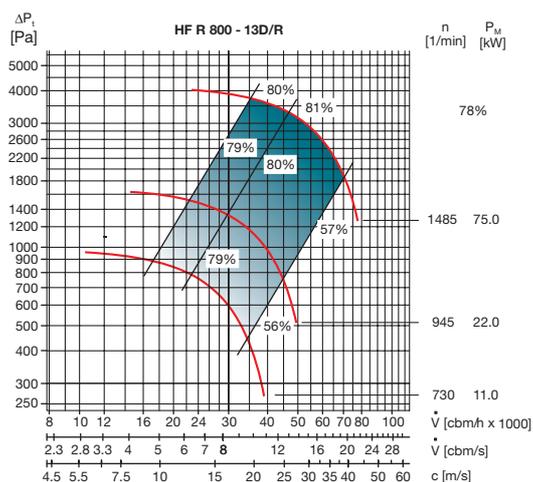
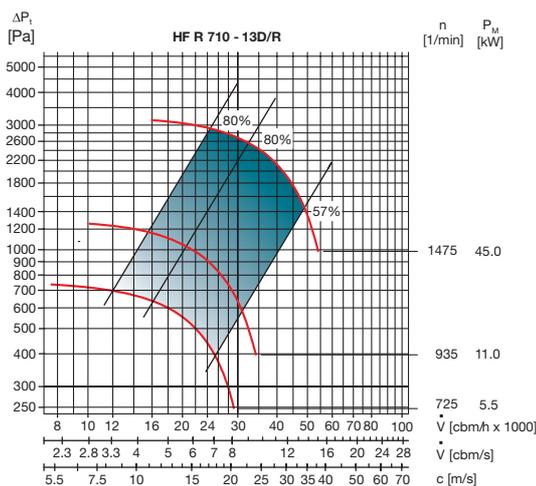
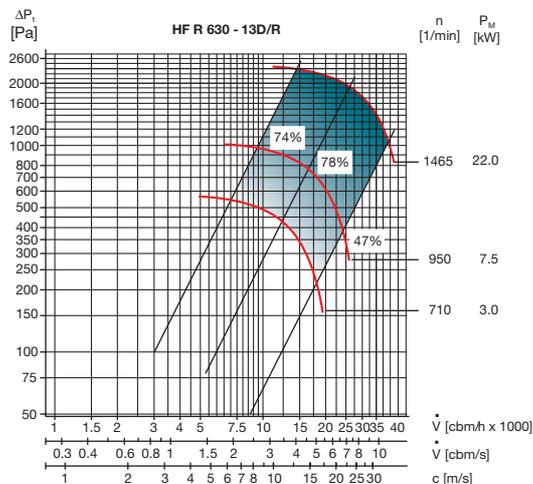
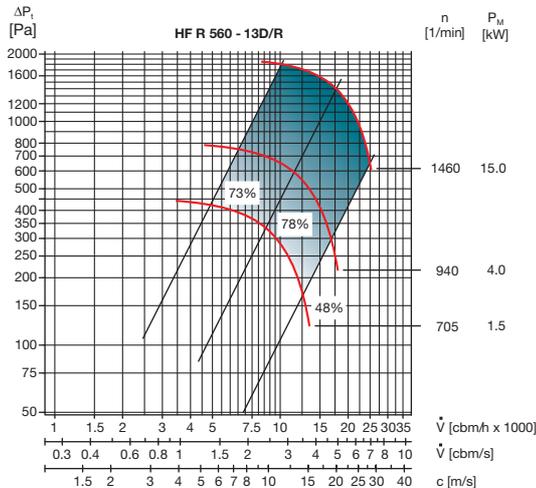
Attention

The given pressure is the total pressure.

Air performance

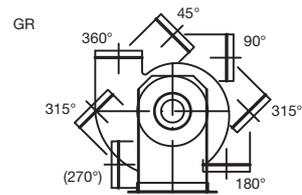
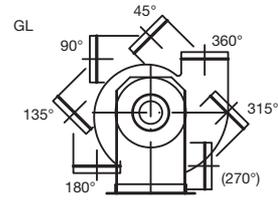
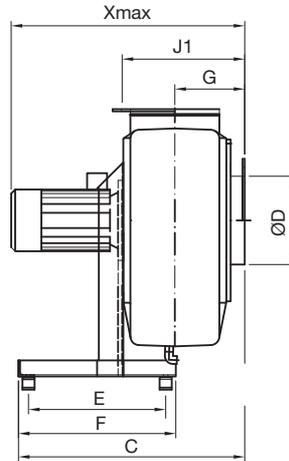
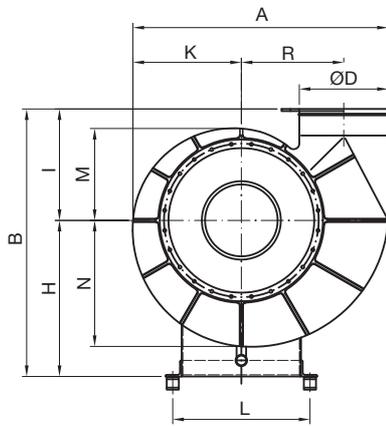






Attention

At the orientation drawing, the motor is directed towards you.



	Dimensions															
	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	H [mm]	WD [mm]	J [mm]	K [mm]	L [mm]	M [mm]	N [mm]	R [mm]	X max. [mm]	kg
HF R125	365	444	422	248	298	122	238	125	212	154	248	137	182	150	395	12
HF R140	409	475	428	248	298	129	256	140	226	172	248	149	201	167	409	13
HF R160	464	515	479	290	340	139	280	160	245	196	290	170	231	188	458	22
HF R180	522	567	517	314	364	151	310	180	269	221	314	190	257	211	506	27
HF R200	582	620	550	334	384	162	342	200	292	244	334	212	287	238	577	31
HF R250	731	747	635	400	450	184	415	250	335	313	400	266	357	294	651	49
HF R280	815	817	711	460	510	200	455	280	367	350	460	301	401	326	704	62
HF R315	921	908	731	424	474	252	510	315	439	393	424	335	459	370	776	65
HF R355	1028	1034	836	665	745	271	595	355	476	436	376	371	509	416	856	97
HF R400	1141	1130	888	723	803	290	650	400	515	484	412	415	564	457	834	87
HF R450	1301	1263	994	814	894	323	730	450	580	556	478	479	637	516	899	116
HF R500	1467	1400	1052	893	973	337	810	500	609	623	530	540	718	596	989	123