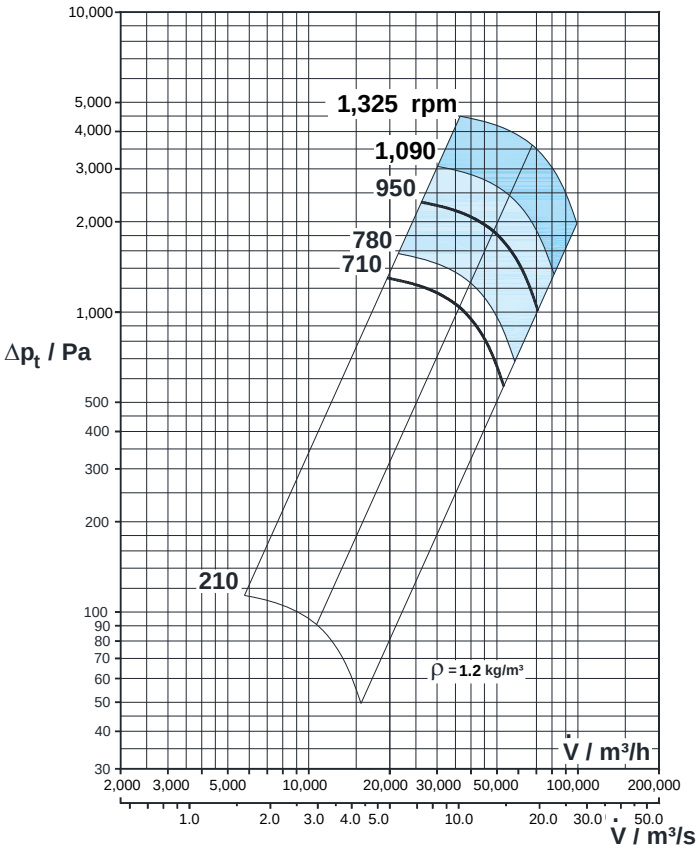
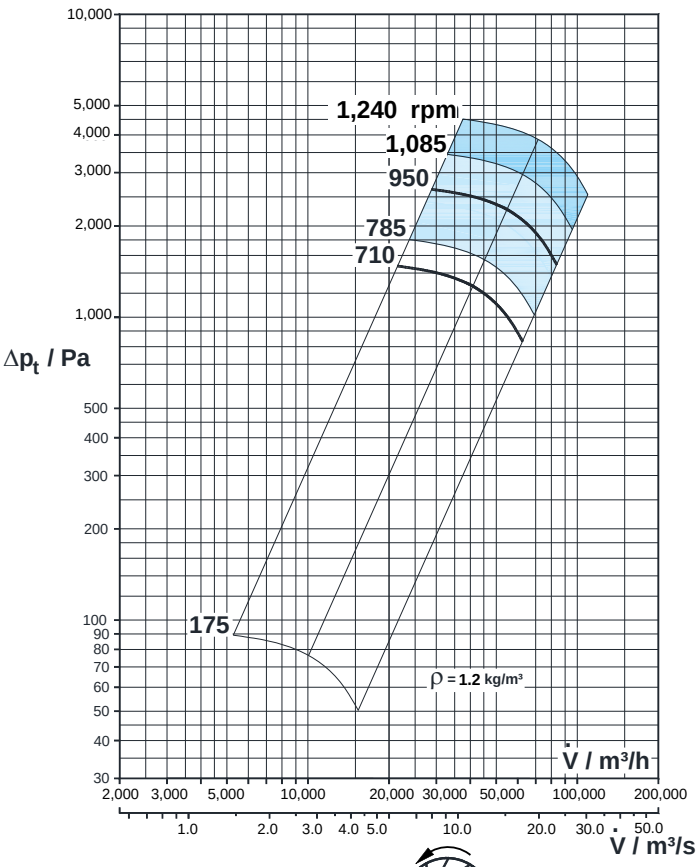
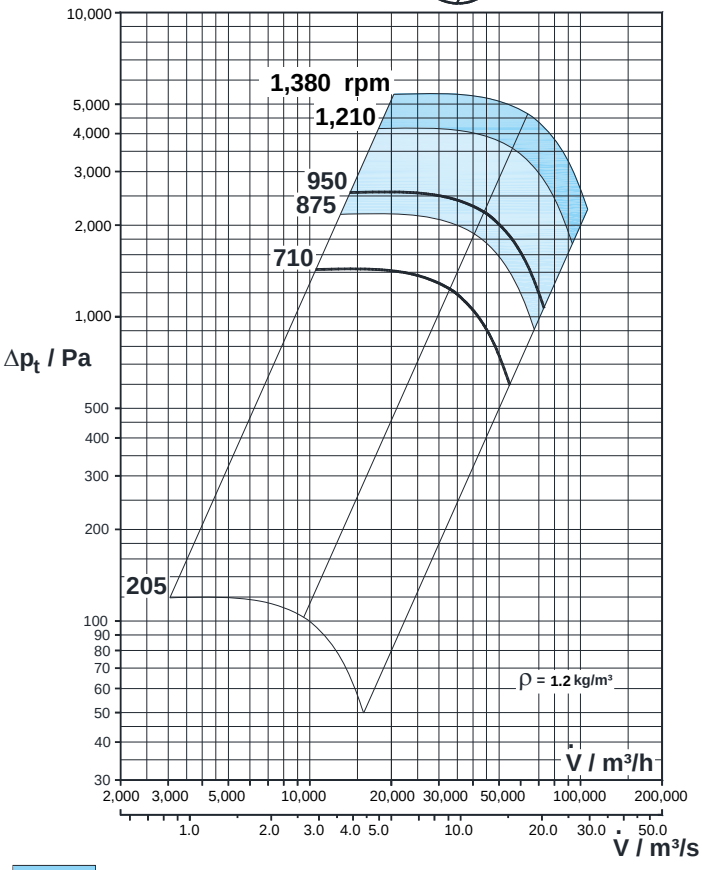
Impeller type 731



Impeller type 733



Impeller type 673



Impeller materials: GFRP CFRP

MOTOR VARIANTS for standard motor 3~400V/50Hz

(Data for other motor types e.g. single phase motors, pole changing motors or Ex motors on request)

Fan type	Speed rpm	Power require-ment kW	Nominal motor power kW	Nominal motor current A	Weight with Motor kg	L_{A3m} dB(A)	L_{WA} dB(A)	Octave level $L_{WA\text{-}Okt}$ / dB(A) 63	125	250	500	1000	2000	4000	8000	ErP cate-gory D-total
VRE 800/731W710	710	15.5	18.5	38.5	791	74	91	78	84	88	85	81	79	76	72	Level 2
VRE 800/731W950	950	37.0	45.0	82.0	1.202	80	98	85	89	95	92	87	84	82	77	Level 2[5)]
VRE 800/731W950	1,325[1)]	100.3	110.0	199.0	1.682	87	105	91	95	103	99	94	91	88	80	Level 2[5)]
VRE 800/733W710	710	24.8	30.0	60.0	992	77	94	82	87	91	86	82	80	77	75	-[3)]
VRE 800/733W950	950	59.5	75.0	136.0	1.442	83	101	89	94	99	93	88	85	83	80	-[3)]
VRE 800/733W950	1,240[1)]	132.0	132.0	240.0	1.802	89	107	94	98	105	99	94	91	88	83	Level 2[5)]
VRE 800/673W710	710	18.1	18.5	38.5	791	76	94	83	88	88	87	86	79	73	65	Level 2
VRE 800/673W950	950	43.1	45.0	82.0	1.202	82	99	89	94	93	92	91	84	78	70	Level 2[5)]
VRE 800/673W950	1,380[1)]	132.0	132.0	240.0	1.802	89	107	97	100	102	100	96	93	85	77	Level 2[5)]

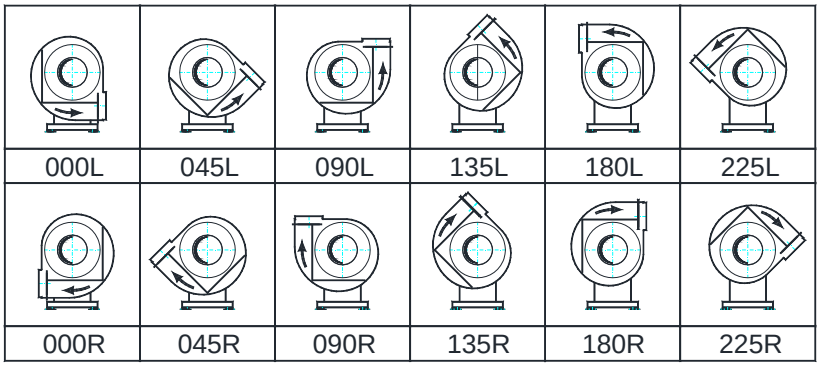
[1)] - during operation with frequency converter > 50 Hz
[2)] - Fan does not fall within scope of ErP directive
[3)] - Fan for moving aggressive media
[4)] - When using IE2 motors
[5)] - When using IE3 motors
[6)] - When using IE4 motors

L_{A3m} = A - evaluated noise level at a distance of 3 m
L_{WA} = A - evaluated noise level in the channel

CASING POSITIONS

The fan is available in casing positions **L** (left) and **R** (right), each in 6 different casing positions.
The position of the casing is set by the manufacturer and requires significant effort to change subsequently. The axle height specified with casing position 090R in the dimension drawing remains unchanged.

Corresponding drawings in dxf format are available on the MIETZSCH CD.

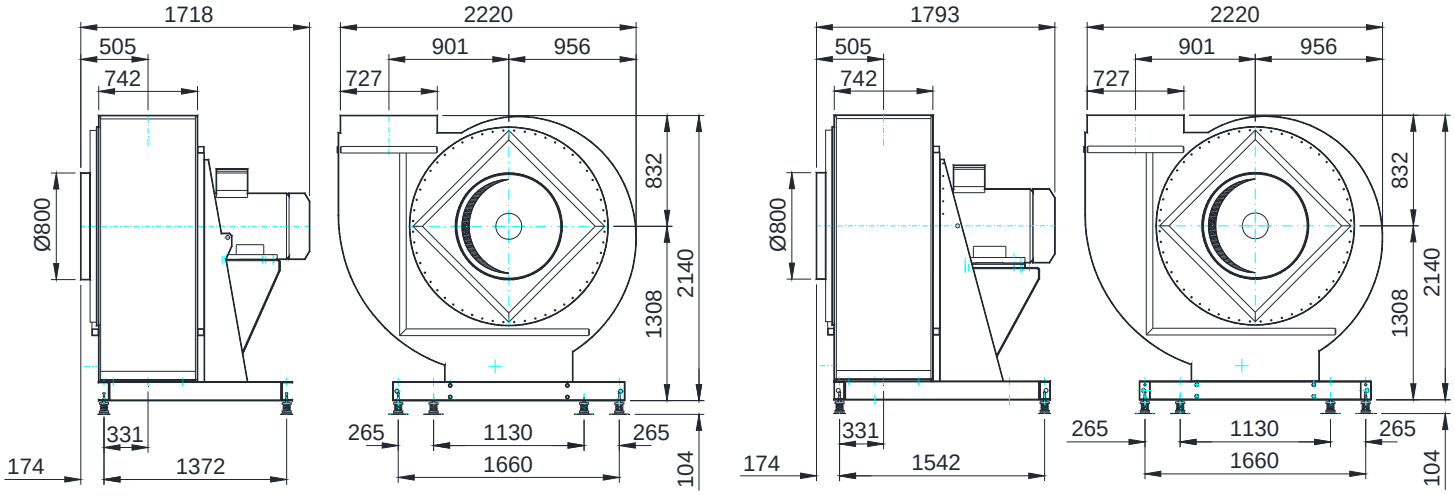


MAIN DIMENSIONS

Casing position **090R**

Casing material: PPs, PVC, PE, PP, PPsX, PEX, PPsX, PVDF

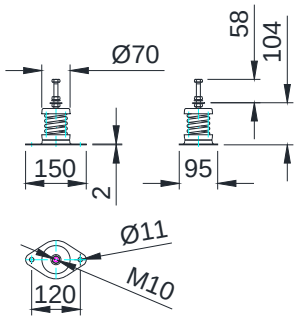
for drive power: **<= 37kW** **> 37 kW bis 132 kW**



VIBRATION ISOLATION

The manufacturer equips all fans with a set of rubber insulators of type SP775-M10 that is designed for the size, speed and drive power of the fan.

Type SP775-M10



FRAME / FLANGE

Frame and flange are designed according to MIETZSCH standard MWS 54030 or MWS 53030.

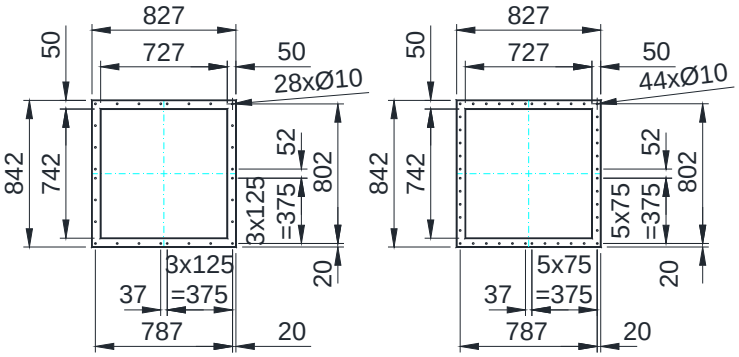
Drilling pattern:

- 0 – undrilled (e.g. F0, KOF0)
- 1 – hole pattern 1 for normal requirements (e.g. KOF1)
- 2 – hole pattern 2 (double the number of screws) for high positive pressures and strong condensation (e.g. F2, KOF2)

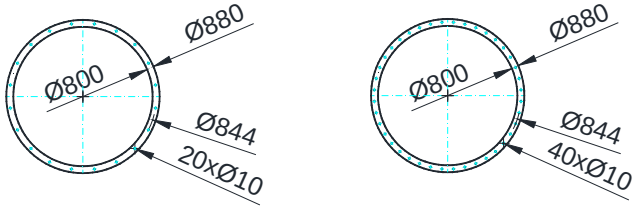
Models according to other standards or special designs are possible on request.

Hole pattern 1 **Hole pattern 2**

Frame R



Flange F

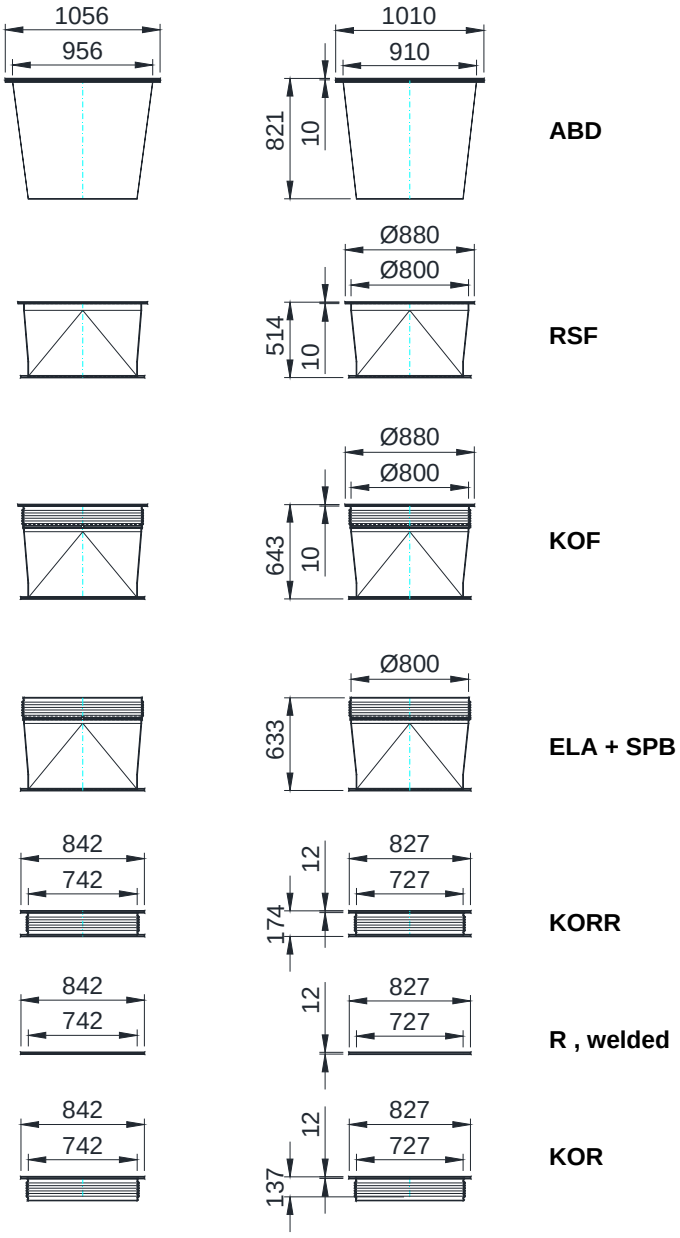


CASING CONNECTIONS

The basic model of the fan depicted under MAIN DIMENSIONS can be supplemented with a range of accessories and thus adapted optimally to the specific operating conditions. In addition to the standard range, special models and even special designs are possible on request. The variants shown in the dimension drawing therefore only cover the most frequently used casing connections and condensate drains. For detailed information, refer to the SPECIAL DESIGNS and ACCESSORIES sections.

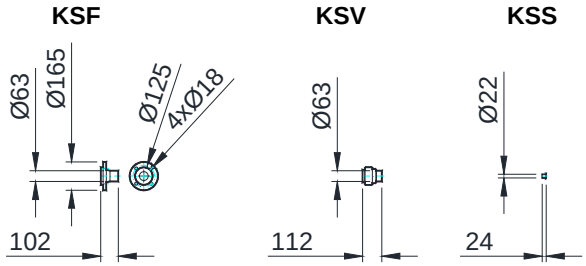
Pressure side casing connection

Casing material: PPs, PVC, PE, PEX, PP, PPsX, PVDF



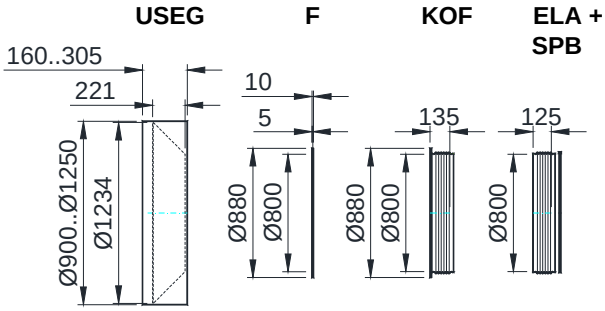
Condensate drain

Casing material: all



Suction side casing connection

Casing material: all



Accessories