

Plastic radial fans

VRE 900

Diagrams

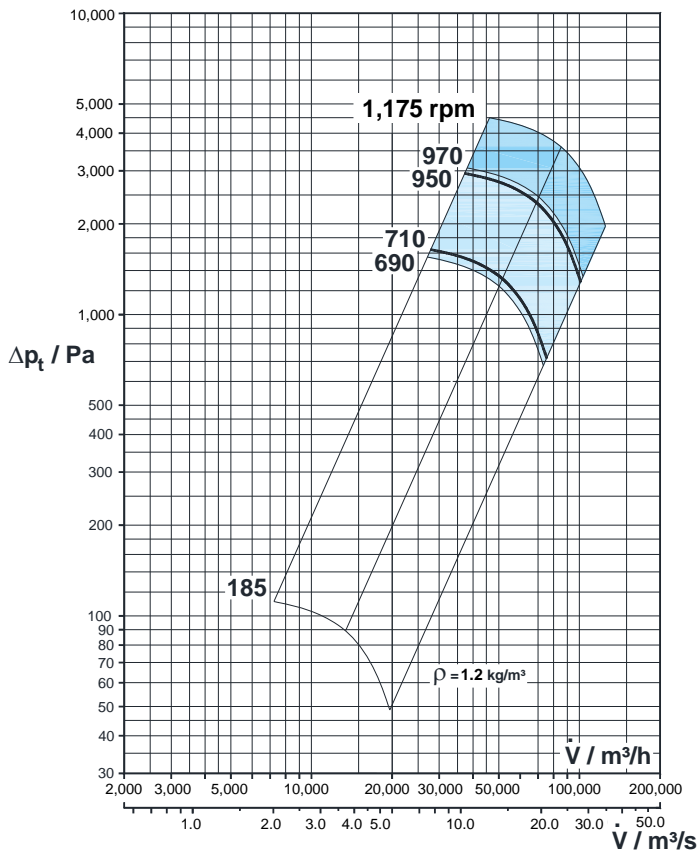


DE WIT
ventilatoren

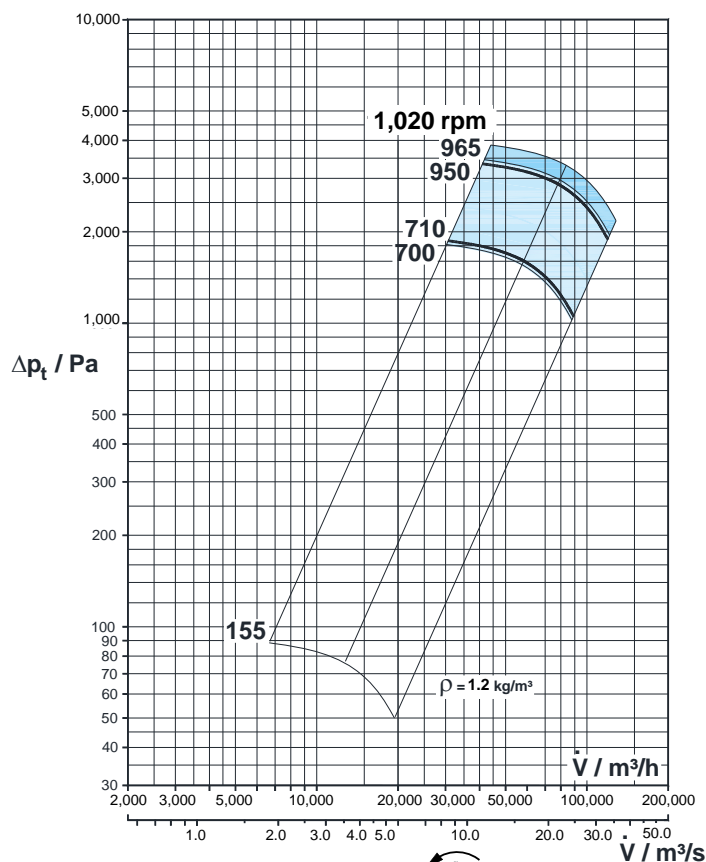
MIETZSCH



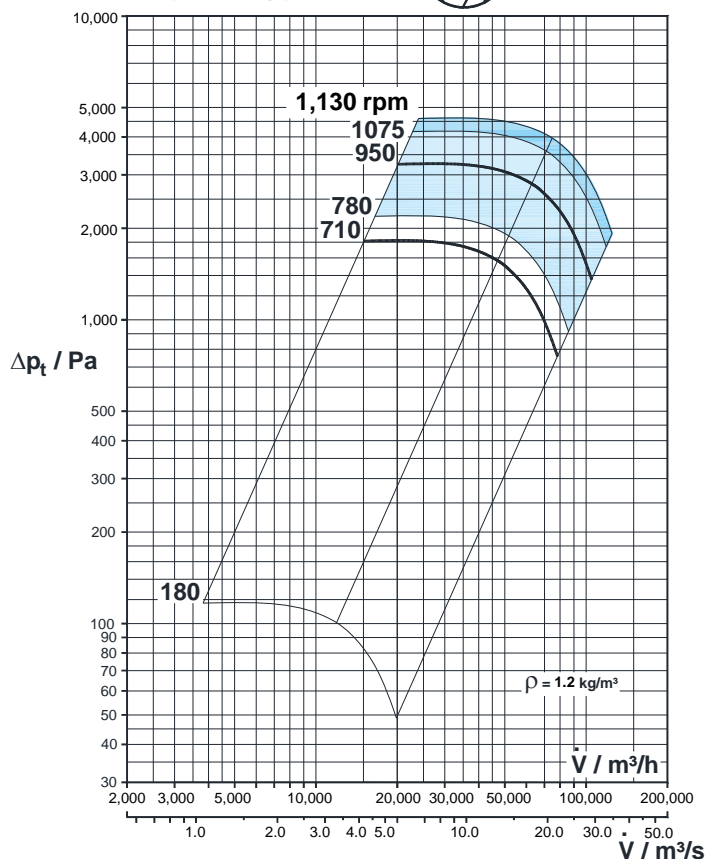
Impeller type 731



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-Okt} / dB(A)								ErP cate- gory D-total
								63	125	250	500	1000	2000	4000	8000	
VRE 900/731W710	710	27.9	30.0	60.0	1.269	77	95	82	88	92	89	85	83	80	76	Level 2
VRE 900/731W950	950	66.7	75.0	136.0	1.646	84	102	89	93	99	96	91	88	86	81	Level 2 ⁵⁾
VRE 900/731W950	1,175 ¹⁾	126.6	132.0	240.0	2.006	88	107	93	98	105	101	96	93	91	84	Level 2 ⁵⁾
VRE 900/733W710	710	44.7	55.0	107.0	1.576	80	98	86	91	95	90	86	84	81	79	- ³⁾
VRE 900/733W950	950	107.2	132.0	240.0	2.006	87	105	93	98	103	97	92	89	87	84	Level 2 ⁵⁾
VRE 900/733W950	1,020 ¹⁾	132.0	132.0	240.0	2.006	88	107	95	100	105	99	94	91	89	95	Level 2 ⁵⁾
VRE 900/673W710	710	32.8	37.0	73.0	1.394	80	97	87	91	91	90	89	82	76	68	Level 2
VRE 900/673W950	950	78.5	90.0	161.0	1.786	86	103	93	97	97	96	95	88	82	74	Level 2 ⁵⁾
VRE 900/673W950	1,130 ¹⁾	132.0	132.0	240.0	2.006	89	106	96	100	102	99	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.

000L	045L	090L	135L	180L	225L
000R	045R	090R	135R	180R	225R

MAIN DIMENSIONS

Casing position

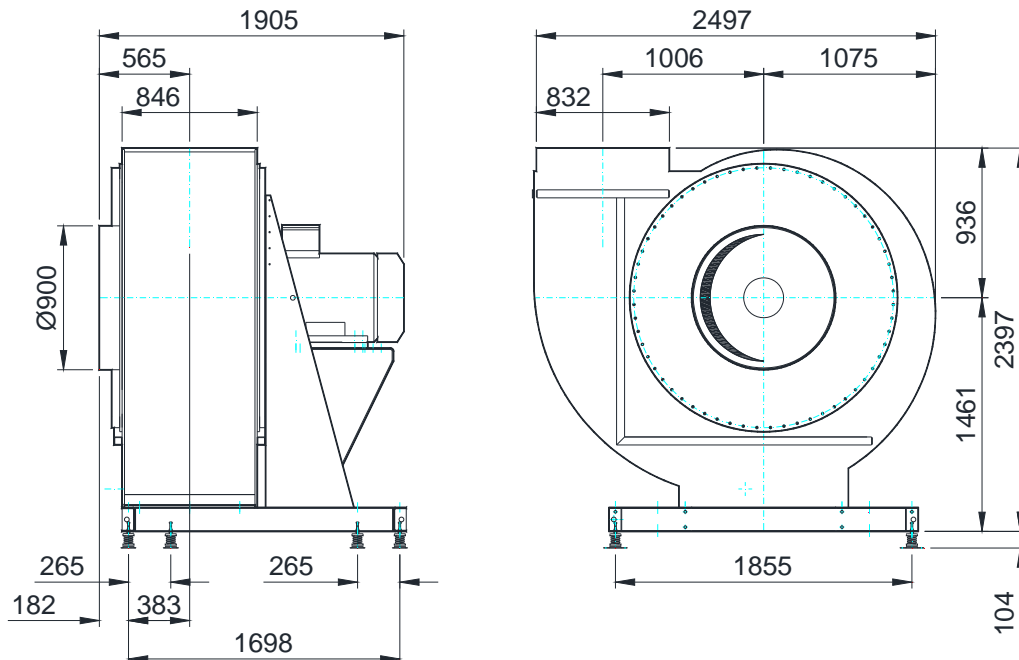
Casing material:

for drive power:

090R

PPs, PE, PVC, PEX, PP, PPsX, PVDF

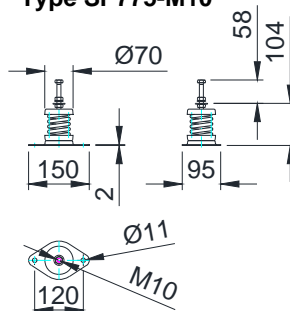
30kW bis 132 kW



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

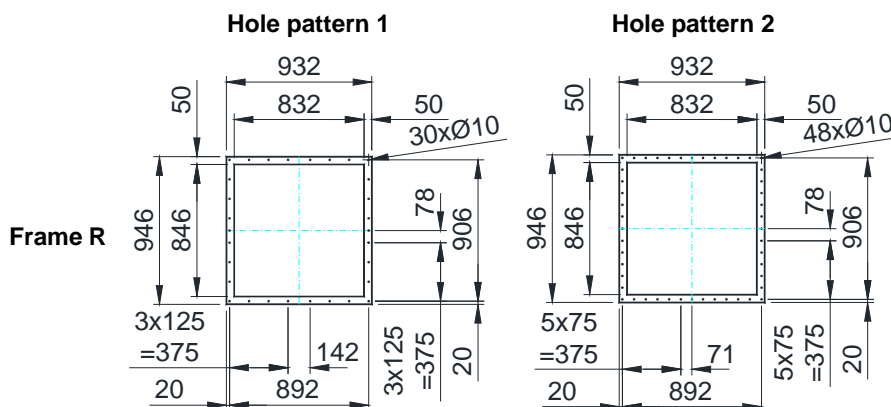


FRAME / FLANGE

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

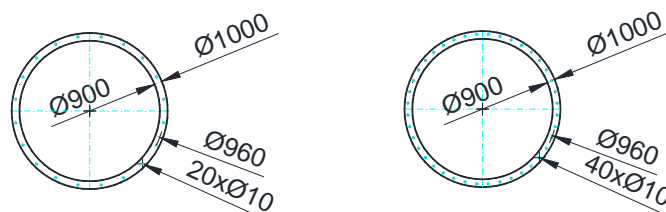
Drilling pattern:

- 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.

Flange F

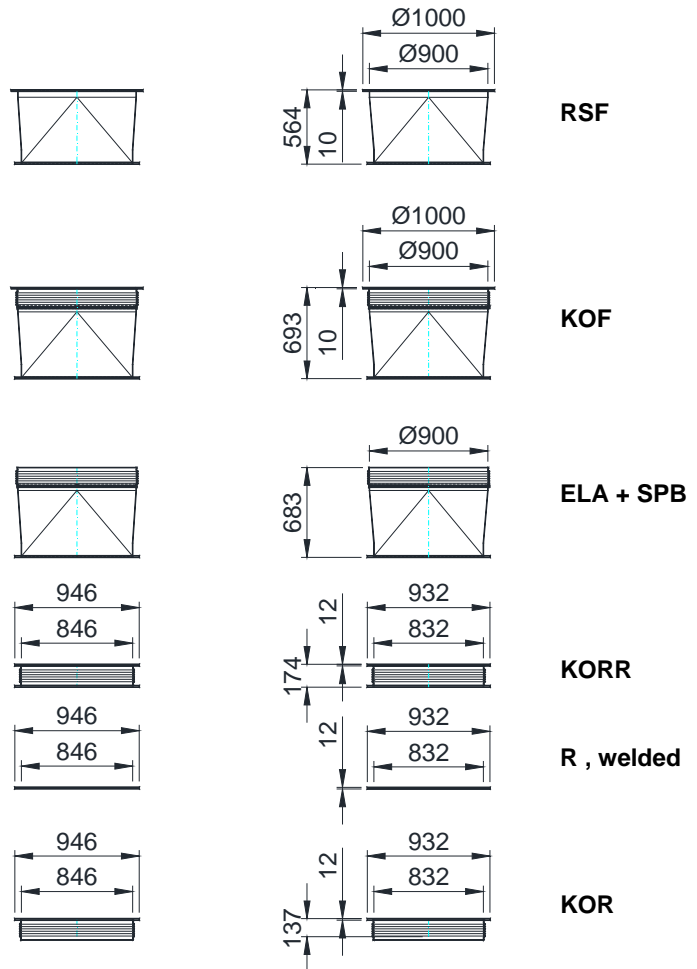


CASING CONNECTIONS

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.

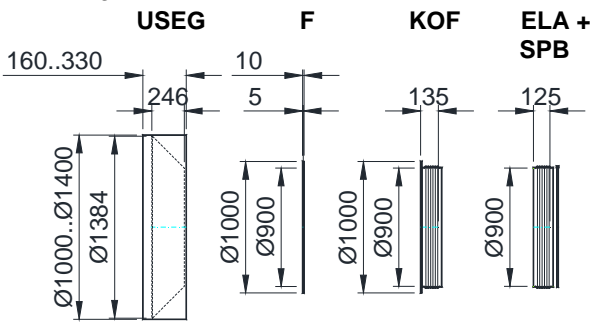
Pressure side casing connection

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

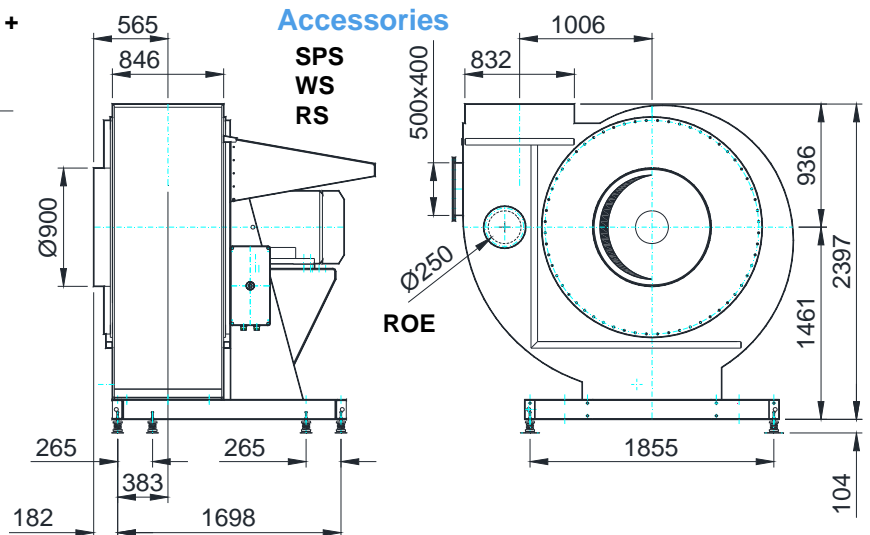


Suction side casing connection

Casing material: all



Accessories



Condensate drain

Casing material: all

