

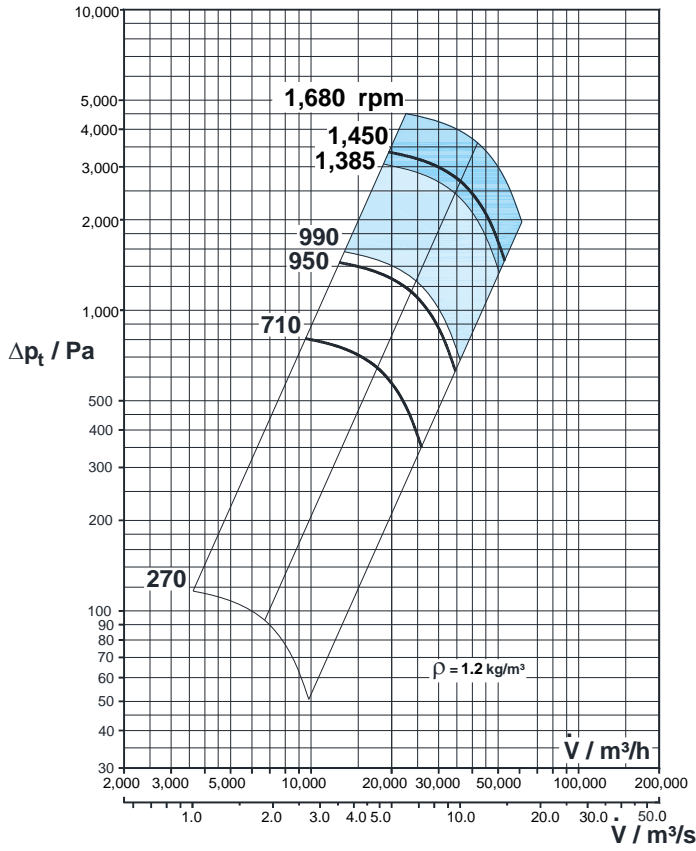
Plastic radial fans

VRE 630

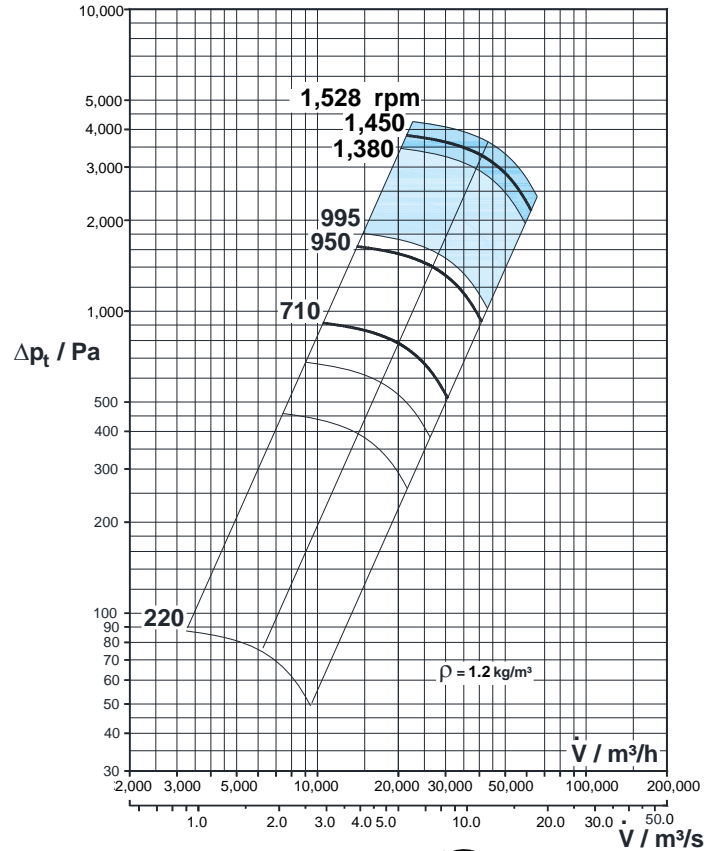
Diagrams



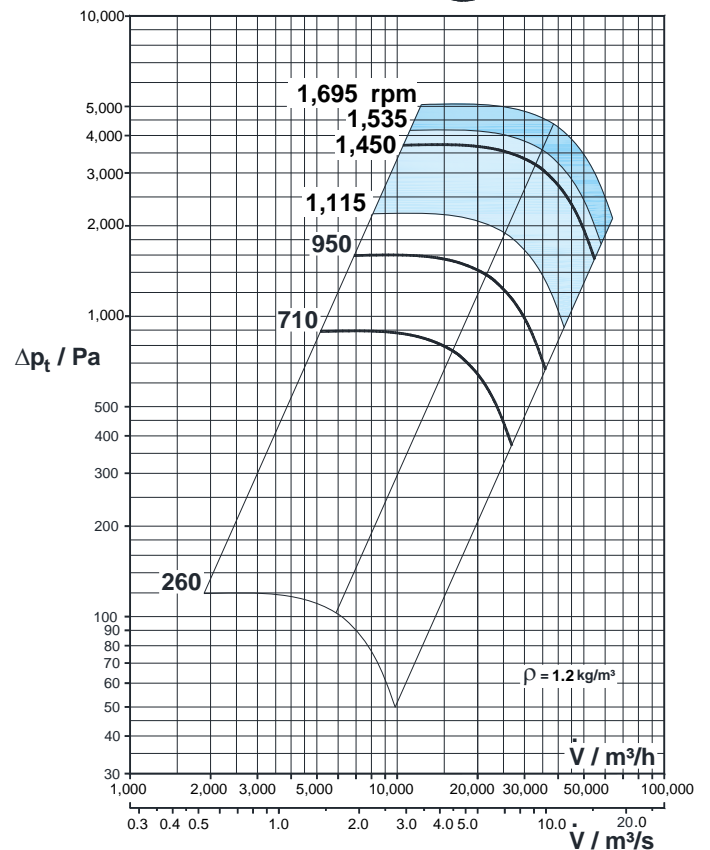
Impeller type 731



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 630/731W710	710	4.68	5.5	13.3	432	66	84	71	77	81	78	74	72	69	65	- ³⁾
VRE 630/731W950	950	11.2	15.0	29.5	538	72	90	77	81	87	84	79	76	74	69	Level 2 ⁵⁾
VRE 630/731W1450	1,450	39.9	45.0	80.0	678	82	100	87	90	98	94	89	86	83	74	Level 2 ⁵⁾
VRE 630/731W1450	1,680 ¹⁾	62.0	75.0	133.0	992	85	103	90	93	101	97	92	88	85	76	Level 2 ⁵⁾
VRE 630/733W710	710	7.52	11.0	25.0	486	69	87	75	80	84	79	75	73	70	68	- ³⁾
VRE 630/733W950	950	18.0	18.5	37.0	573	75	93	81	86	91	85	80	77	75	72	Level 2 ⁵⁾
VRE 630/733W1450	1,450	64.0	75.0	133.0	992	85	103	90	93	101	94	89	86	83	77	Level 2 ⁵⁾
VRE 630/733W1450	1,528 ¹⁾	75.0	75.0	133.0	992	86	104	91	94	103	95	90	87	84	78	Level 2 ⁵⁾
VRE 630/673W710	710	5.51	7.5	17.9	452	69	87	76	81	81	79	78	72	65	58	Level 2
VRE 630/673W950	950	13.2	15.0	29.5	538	75	92	82	86	86	85	84	77	71	63	Level 2 ⁵⁾
VRE 630/673W1450	1,450	47.0	55.0	96.0	817	83	101	91	94	96	93	90	87	79	71	Level 2 ⁵⁾
VRE 630/673W1450	1,695 ¹⁾	75.0	75.0	133.0	992	87	104	94	98	99	97	94	91	82	74	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

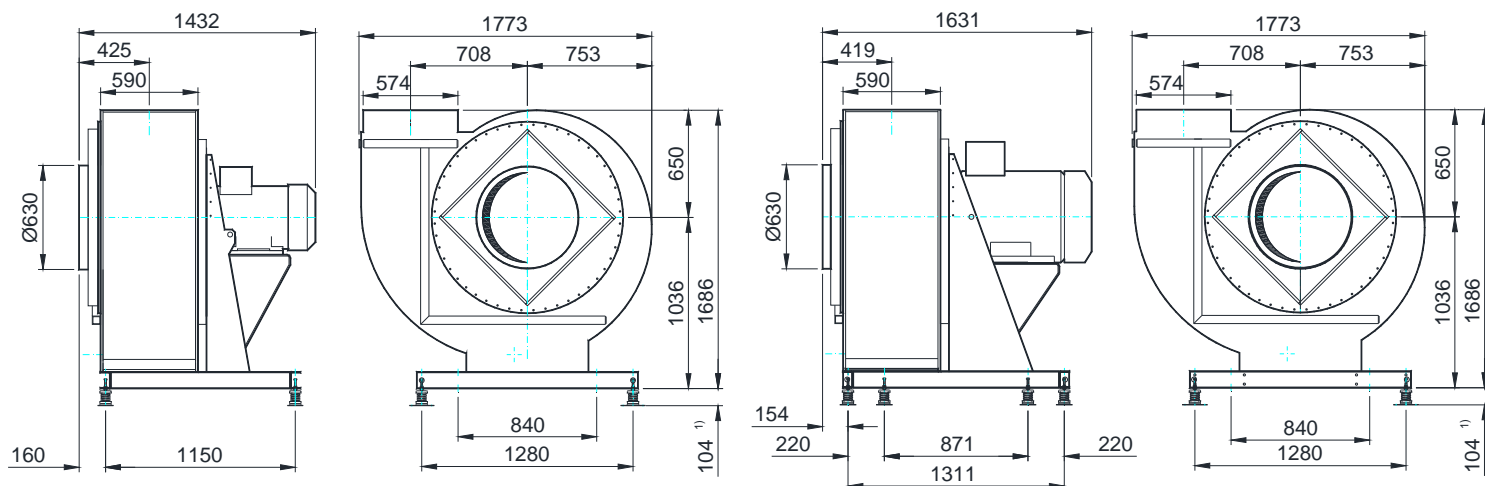
MAIN DIMENSIONS

Casing position 090R

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

for drive power: **<= 45kW**

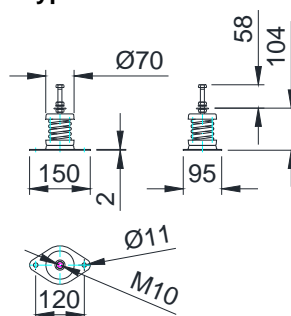
> 45 kW bis 75 kW



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



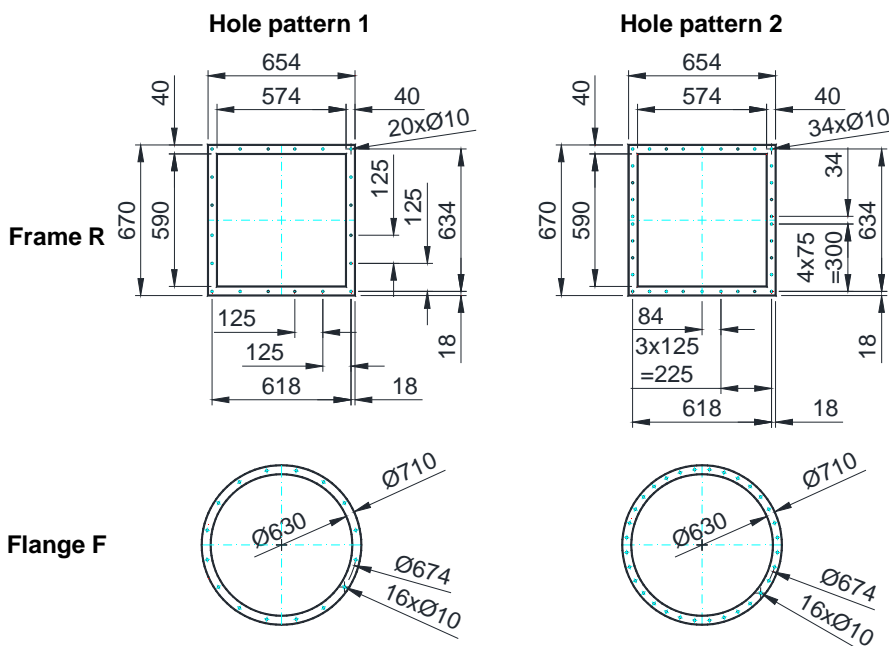
FRAME / FLANGE

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.

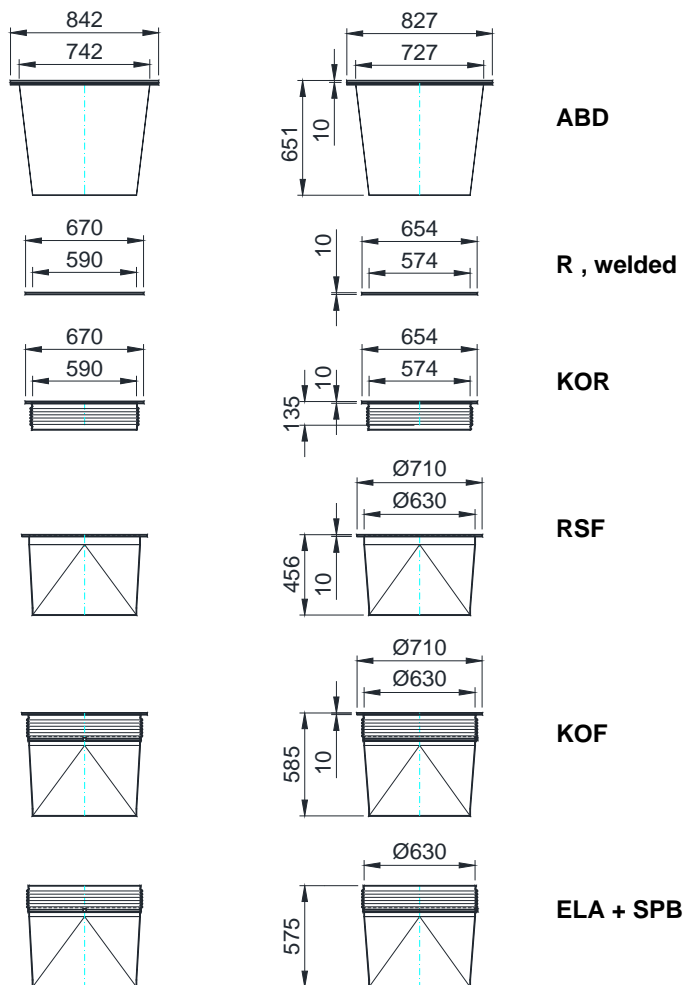


CASING CONNECTIONS

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.

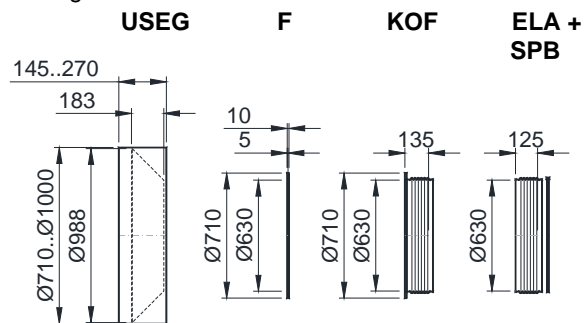
Pressure side casing connection

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

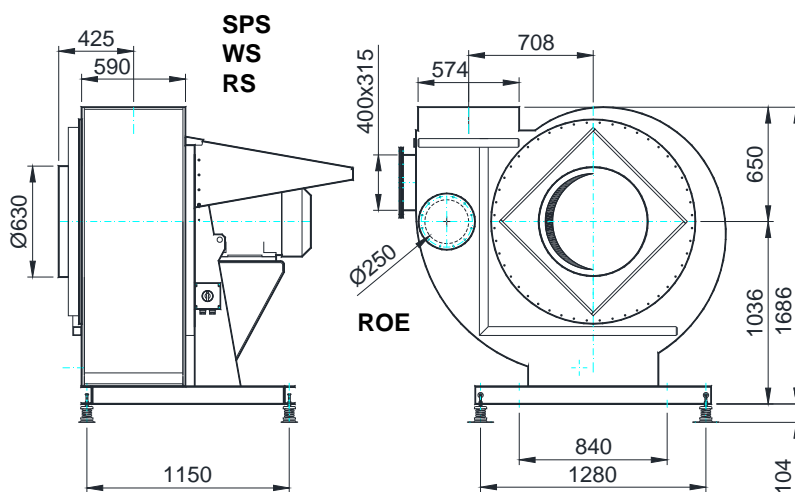


Suction side casing connection

Casing material: all



Accessories



Condensate drain

Casing material: all

