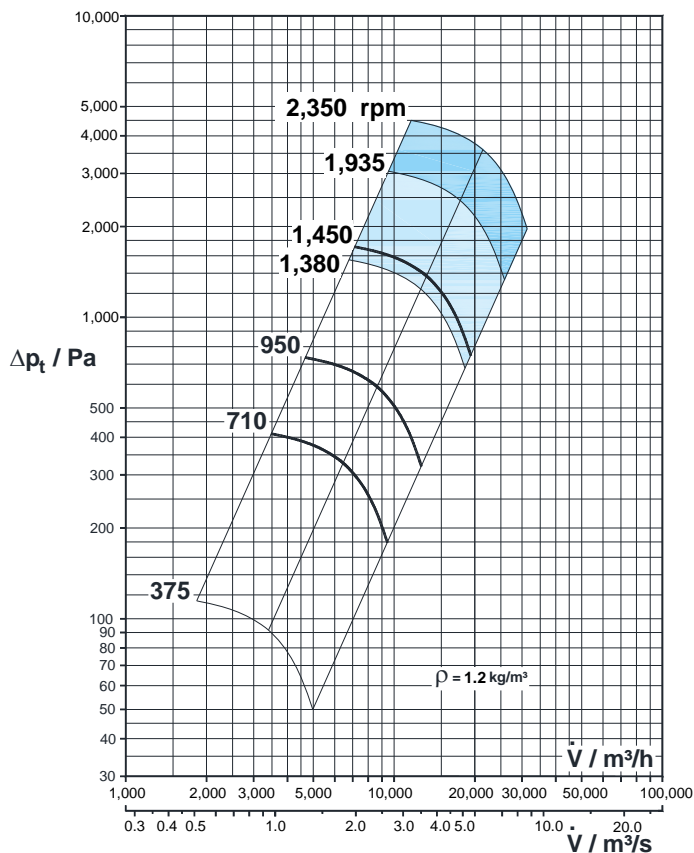
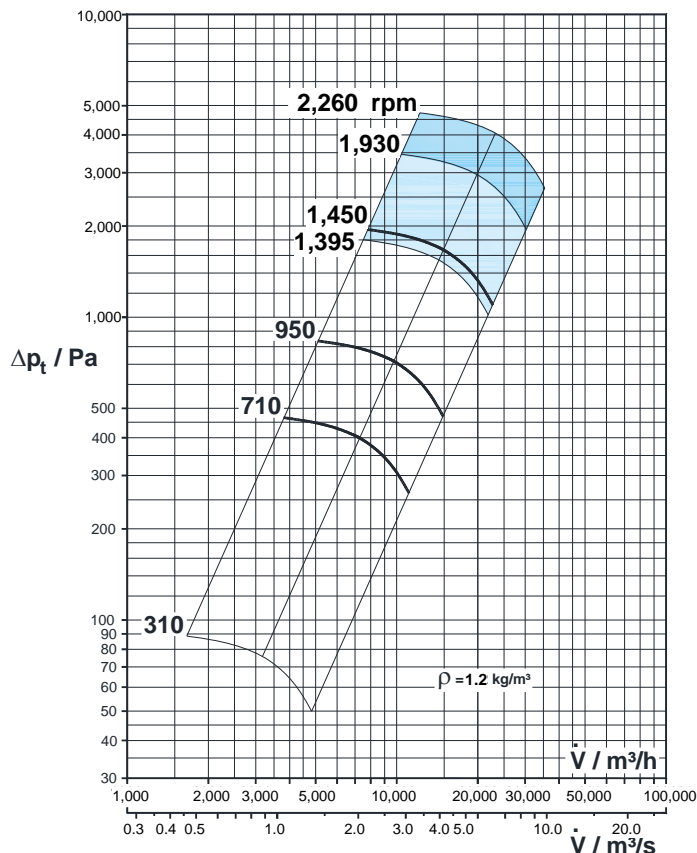




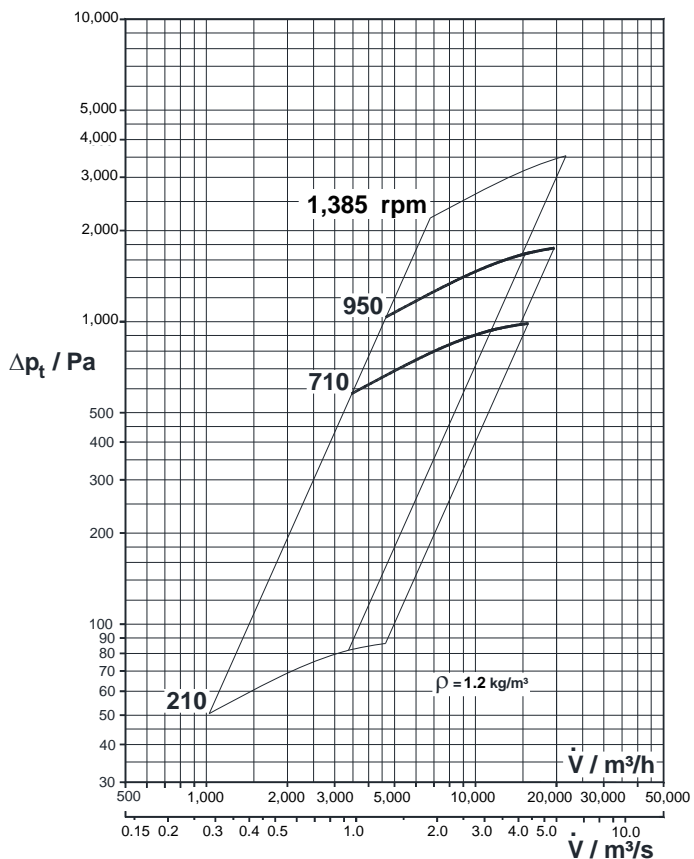
Impeller type 731



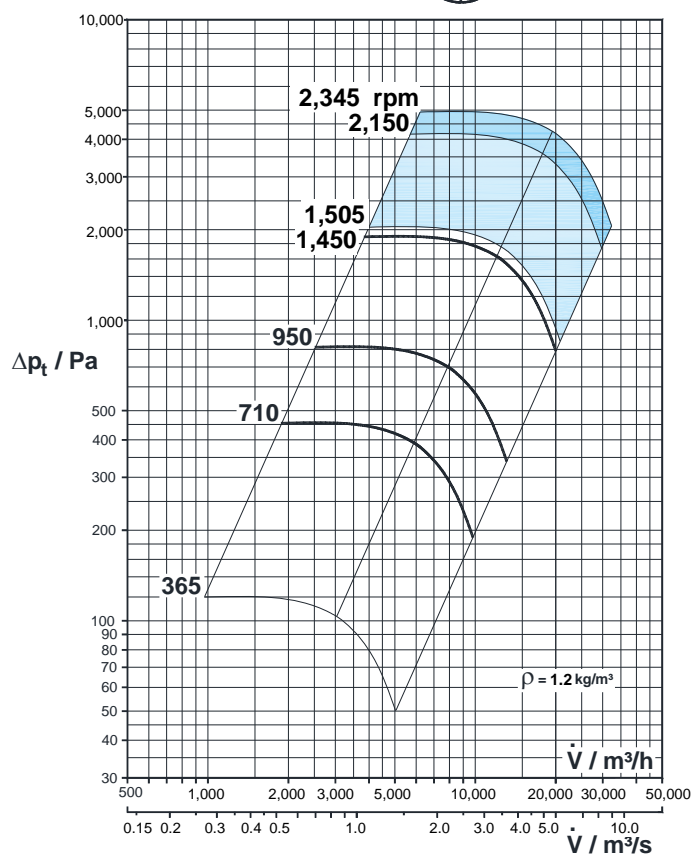
Impeller type 733



Impeller type 734



Impeller type 673



Impeller materials:

PPs, PPsX, PVC, PVDF



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 450/731W710	710	0.83	1.1	3.0	151	57	75	62	68	72	69	65	63	60	56	- ³⁾
VRE 450/731W950	950	2.09	2.2	5.5	171	63	81	68	72	78	75	70	67	65	60	Level 2 ⁴⁾
VRE 450/731W1450	1,450	7.37	7.5	14.3	200	72	90	77	80	88	84	79	76	73	64	Level 2 ⁵⁾
VRE 450/731W1450	2,350 ¹⁾	31.6	37.0	66.0	435	82	100	87	90	98	93	88	85	82	72	Level 2 ⁵⁾
VRE 450/733W710	710	1.40	1.5	3.95	149	60	78	66	71	75	70	66	64	61	58	- ³⁾
VRE 450/733W950	950	3.35	4.0	8.4	181	66	84	72	77	82	76	71	68	66	63	Level 2 ⁴⁾
VRE 450/733W1450	1,450	11.90	15.0	28.5	240	75	93	80	83	91	84	79	76	73	67	Level 2 ⁵⁾
VRE 450/733W1450	2,260 ¹⁾	45.00	45.0	80.0	470	84	103	91	94	102	94	89	86	82	76	Level 2 ⁵⁾
VRE 450/734W710	710	6.83	7.5	17.9	237	66	83	67	69	76	81	76	71	67	56	Level 2
VRE 450/734W950	950	14.60	15.0	29.5	323	71	89	74	78	82	86	79	74	68	58	Level 2 ⁵⁾
VRE 450/734W950	1,385 ¹⁾	30.00	30.0	56.0	477	78	96	80	85	88	91	91	86	80	69	Level 2 ⁵⁾
VRE 450/673W710	710	1.02	1.1	3.0	140	59	76	66	70	70	69	68	61	55	47	Level 2
VRE 450/673W950	950	2.45	4.0	8.4	178	65	82	72	76	76	75	74	67	61	53	Level 2 ⁴⁾
VRE 450/673W1450	1,450	8.73	11.0	20.5	212	73	90	80	84	85	83	80	77	69	61	Level 2 ⁵⁾
VRE 450/673W1450	2,346 ¹⁾	37.00	37.0	66.0	435	84	102	89	96	96	96	92	87	82	72	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

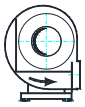

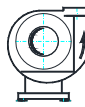

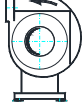

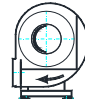
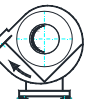
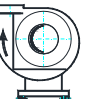



L_{WA} = A - evaluated noise level in the channel

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

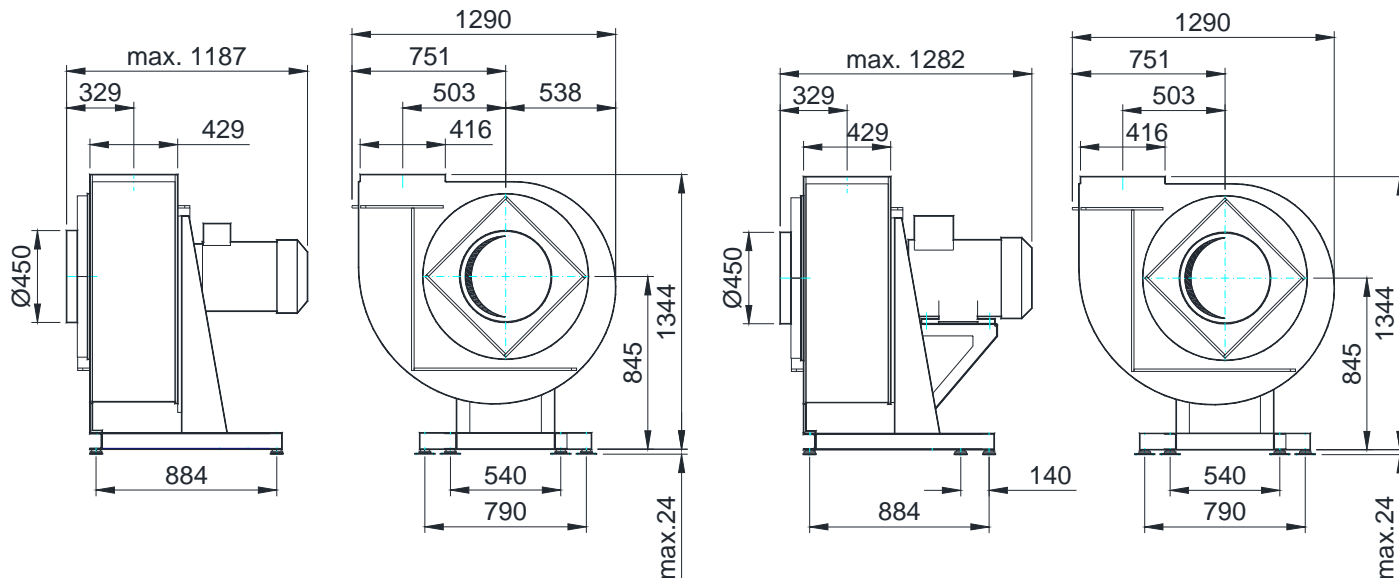
MAIN DIMENSIONS

Casing position 090R

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

for drive power: **<= 15 kW**

> 15 kW bis 37 kW

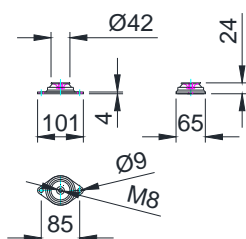


VIBRATION ISOLATION

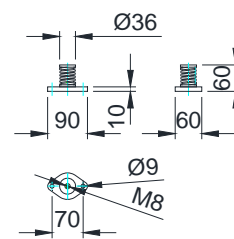
The manufacturer equips all fans with a set of rubber insulators of type 60-100SF that is designed for the size, speed and drive power of the fan.

Stainless steel spring insulators as e.g. type MFI40-M8 can be exploited on special demand if natural frequency and isolation effectiveness require particularly high demands on vibration isolation. Due to the materials used (stainless steel A2 and PE-HD) stainless steel spring insulators can be used in areas sensitive to corrosion and hygiene.

Type 60-100 SF M8



Type MFI 40 M8



FRAME / FLANGE

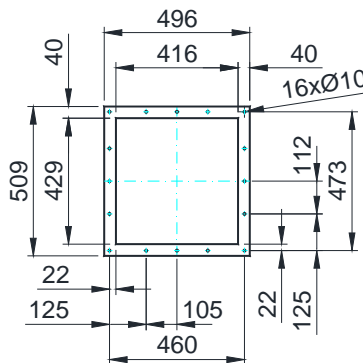
Frame and flange are designed according to MIETZSCH standard MWS 54030 or MWS 53030.

Drilling pattern:

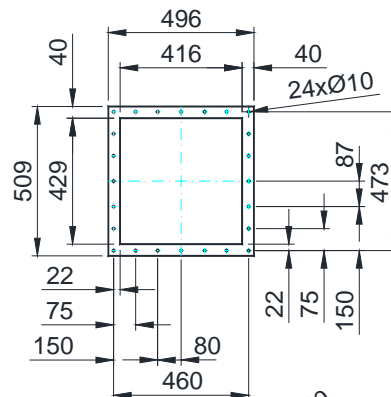
- 0 – undrilled (e.g. F0, KOF0)
- 1 – hole pattern 1 for normal requirements (e.g. KOF1)
- 2 – hole pattern 2 (double the number of screws) for high positive pressures and strong condensation (e.g. F2, KOF2)

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

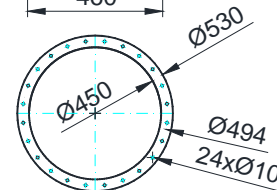
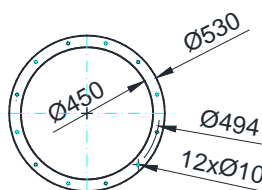
Hole pattern 1



Hole pattern 2



Flange F

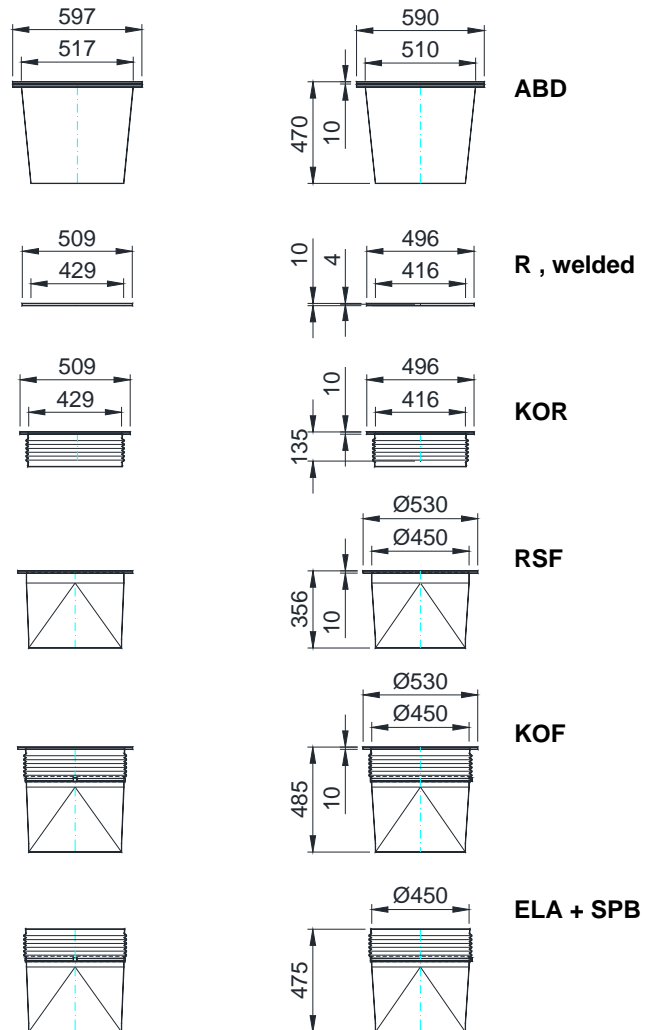


CASING CONNECTIONS

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.

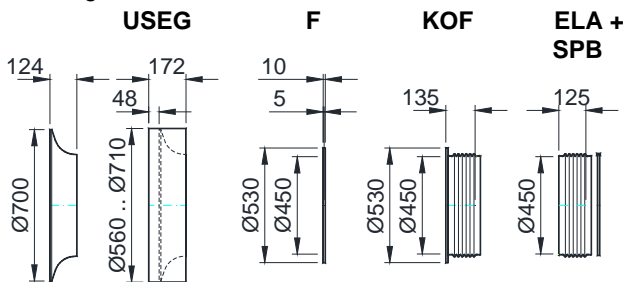
Pressure side casing connection

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

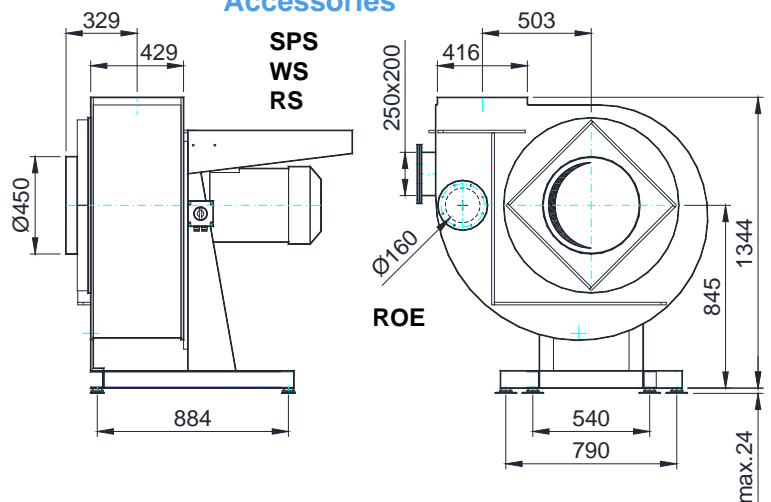


Suction side casing connection

Casing material: all



Accessories



Condensate drain

Casing material: all

