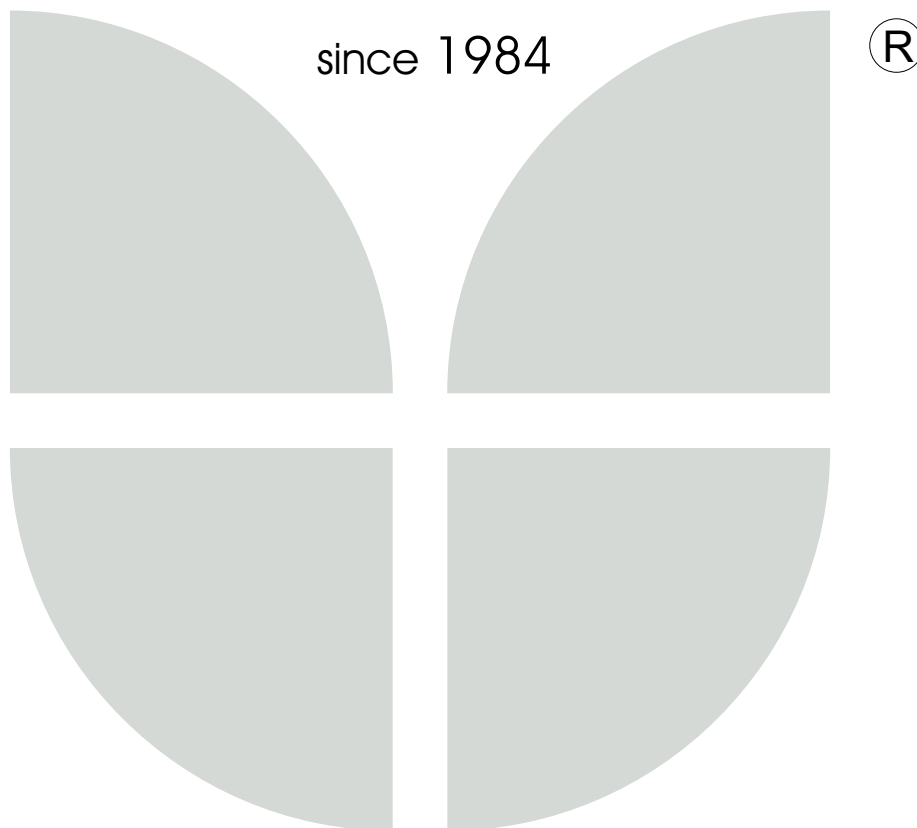
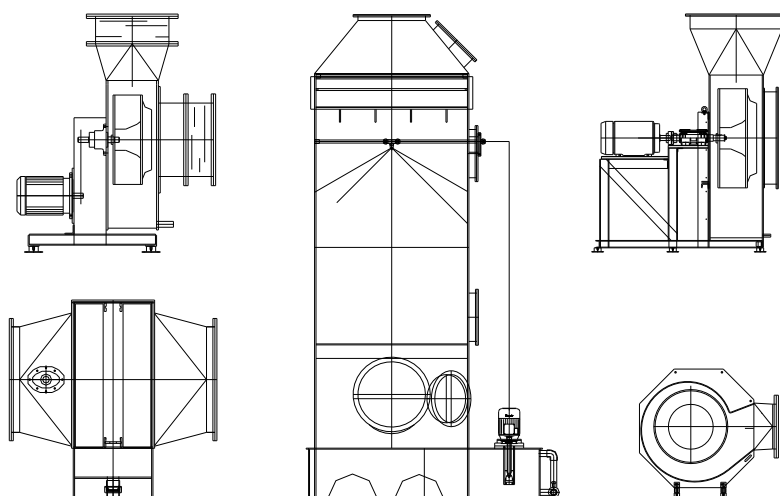


ROOF RADIAL FAN TYPE SD



Scheidt Ventilatoren GmbH

- ➡ Industrial Fan
 - ➡ Washtower
 - ➡ Silencer
 - ➡ Airwasher
 - ➡ Heat Exchanger
 - ➡ Pipes a. formed parts
- of corrosion resistant
plastics*



Scheidt Ventilatoren GmbH

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ROOF RADIAL FAN TYPE SD

Introduktion: VAKUTEC® roof radial fans with the type designation SD are fitted with the approved radial fan rotors. The four digit number after the designation SD defines the roof radial fan in size and speed rate. For example the SD1630 is a roof radial fan size 160 (16x10=160) which operates with a speed rate of 3000 U/min (30x100=3000). Type SD roof radial fans can be used anywhere there is aggressive exhaust air that must be sucked off. They are corrosion and weather proof and work noiselessly, economically and maintenance free.

Corrosion Resistance: The parts which come into contact with the air stream are constructed either according to consistent list of specially chosen synthetic material or if necessary as in the case of the rotors with a suitable coating. The air stream flows through the fan at an axial direction and is blown out vertically (horizontally in fans SD7 and SD11). The driving motor is completely separate from the exhaust air stream..

Sizes and range range of capacity: The VAKUTEC roof radial fans are manufactured in series from size DN75 to DN630 in 13 different sizes. They are suitable for volume streams upto 17.000m³/h. In accordance to the VDI guideline 2060, Balancing quality Q6,3, the heaved fan rotor is installed in flying impact at the shaft end of the driving motor.

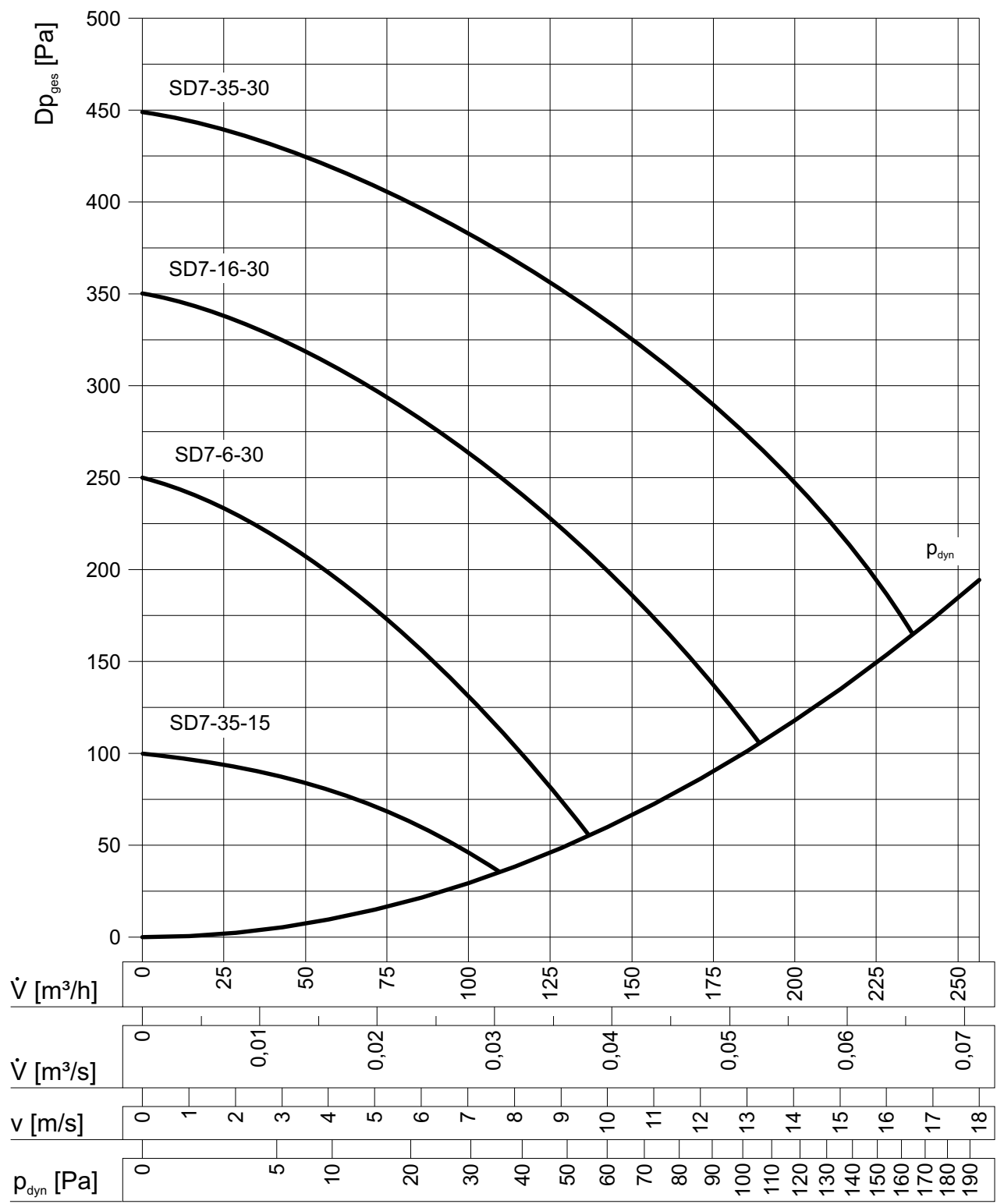
Materials: the material used depends on the kind of medium to be carried. Thus the following materials are applicable:

for the casing PVC PP PE

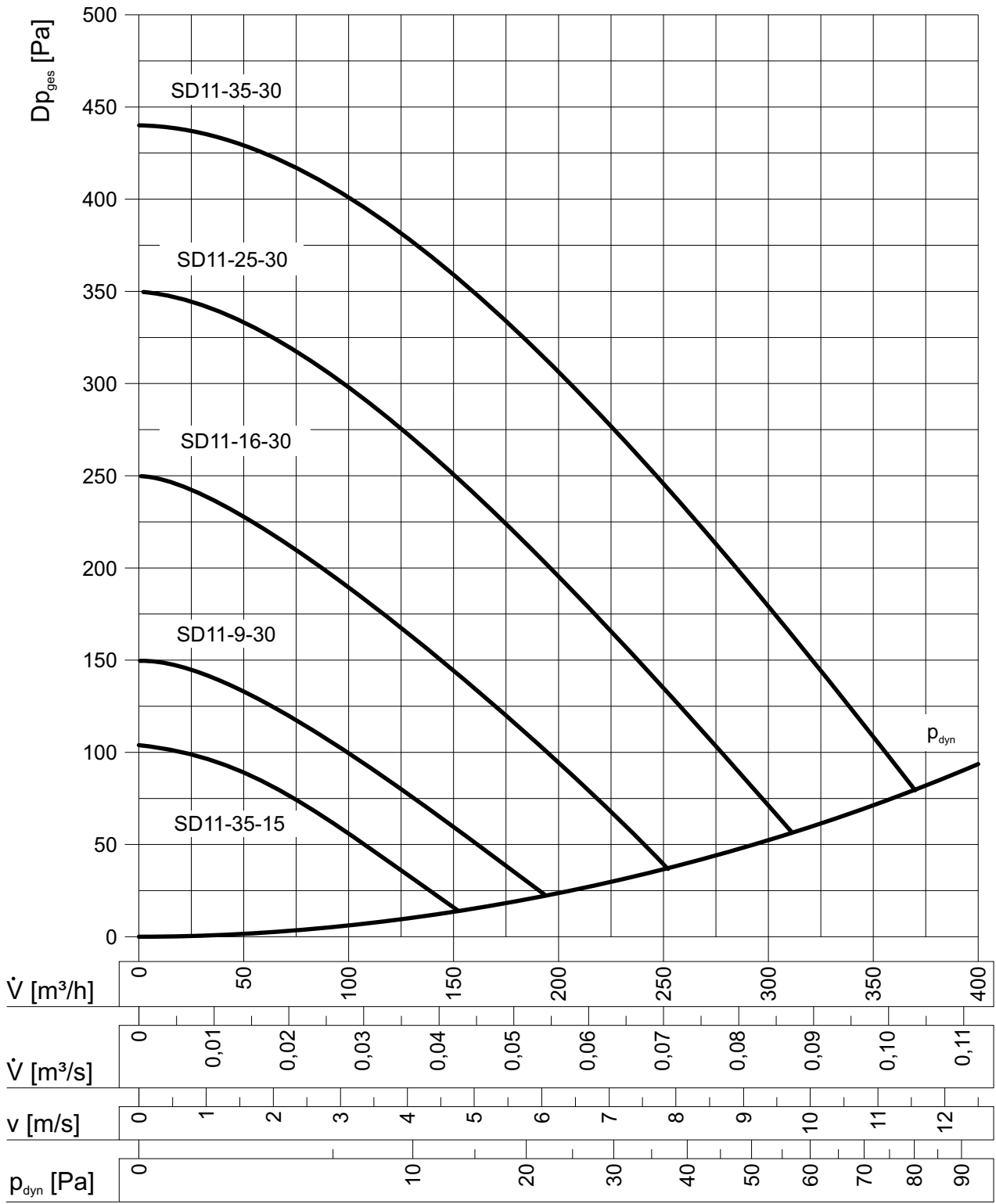
for the fan wheel PVC PP PE steel coated (hard rubber or PVC) or high grade steel

Motors: Only proprietary brands from the EEC range are used according to IEC standards, predominantly externally cooled three phase running cage motors enclosure type IP54. According to the demands explosive proof motors are used

ROOF RADIAL FAN WITH MOULDED CASING TYP **SD-7**



ROOF RADIAL FAN WITH DEEP DRAWING CASING TYP **SD-11**

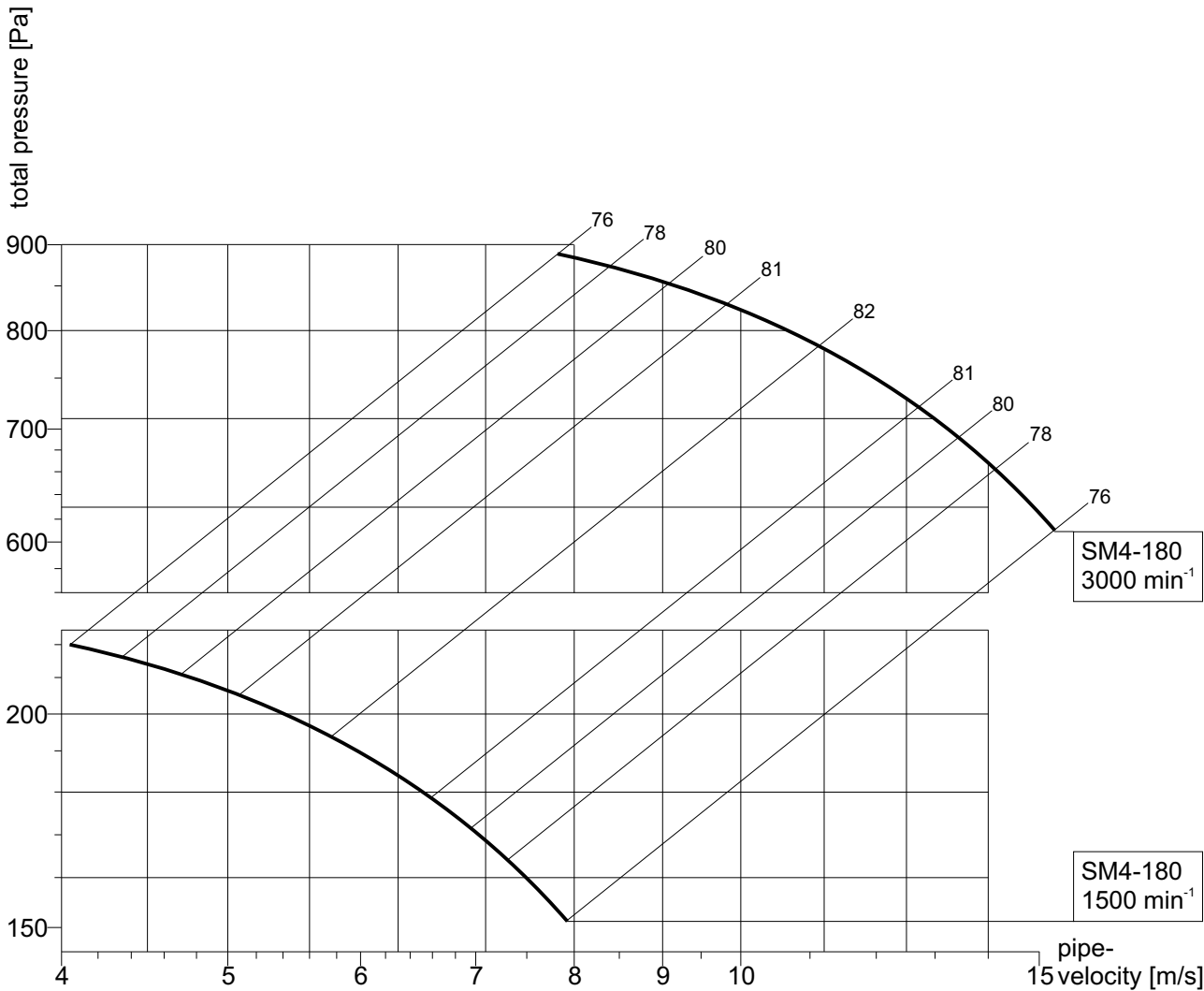


ROOF RADIAL FAN WITH WELDED CASING TYP **SD-160**



Values maked round to preffered numbers

Temperature: **=20°C**
Density: **=1,2kg/m³**



0,080	0,090	0,100	0,112	0,125	0,140	0,160	0,180	0,200	0,224	0,250	0,280	air volume [m³/s]
280	315	355	400	450	500	560	630	710	800	900	1000	air volume [m³/h]

10

20

30

40

50

100

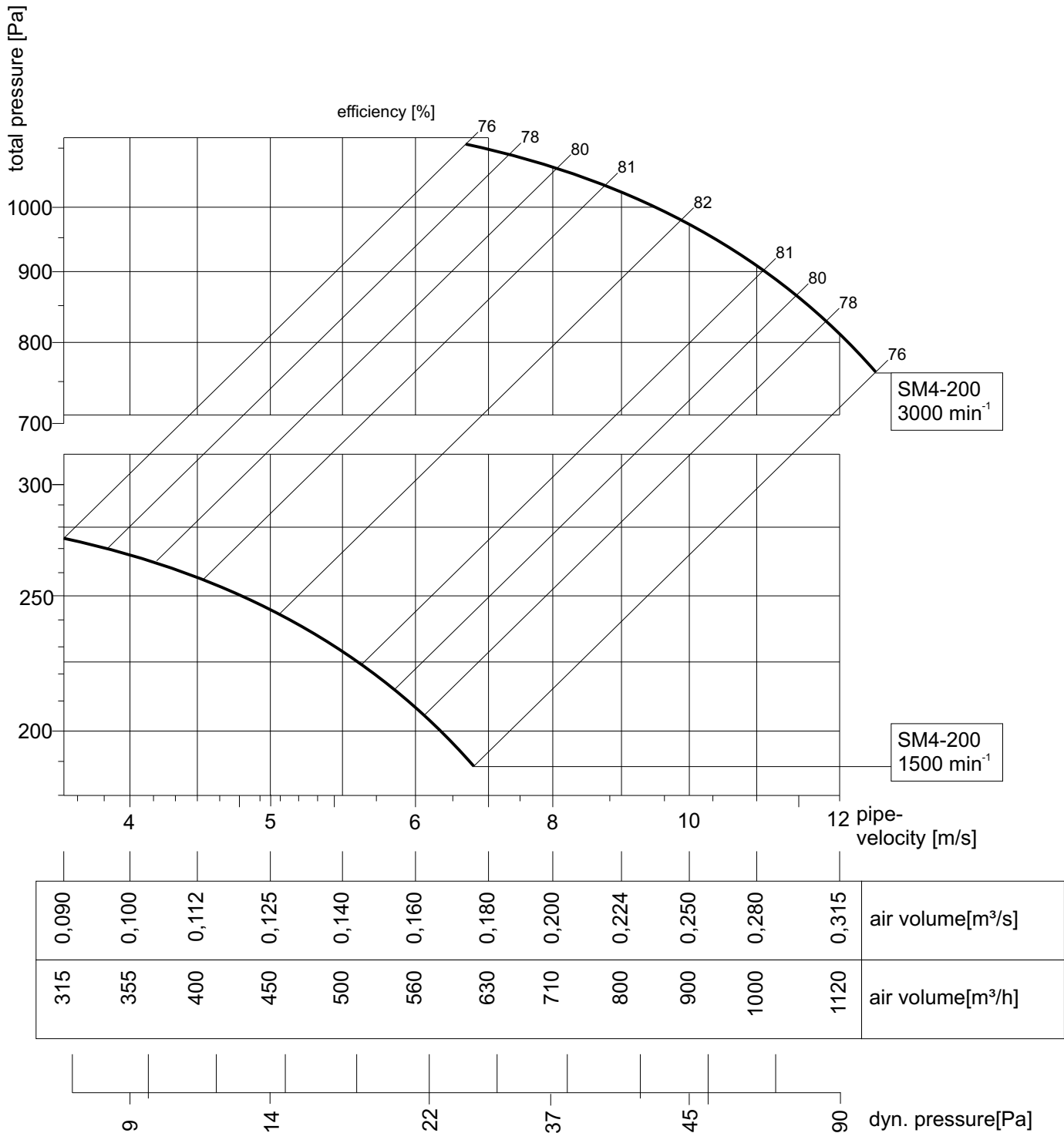
dyn. pressure [Pa]

ROOF RADIAL FAN WITH WELDED CASING TYP **SD-180**



Values maked round to preffered numbers

Temperature: q=20°C
Density: r=1,2kg/m³

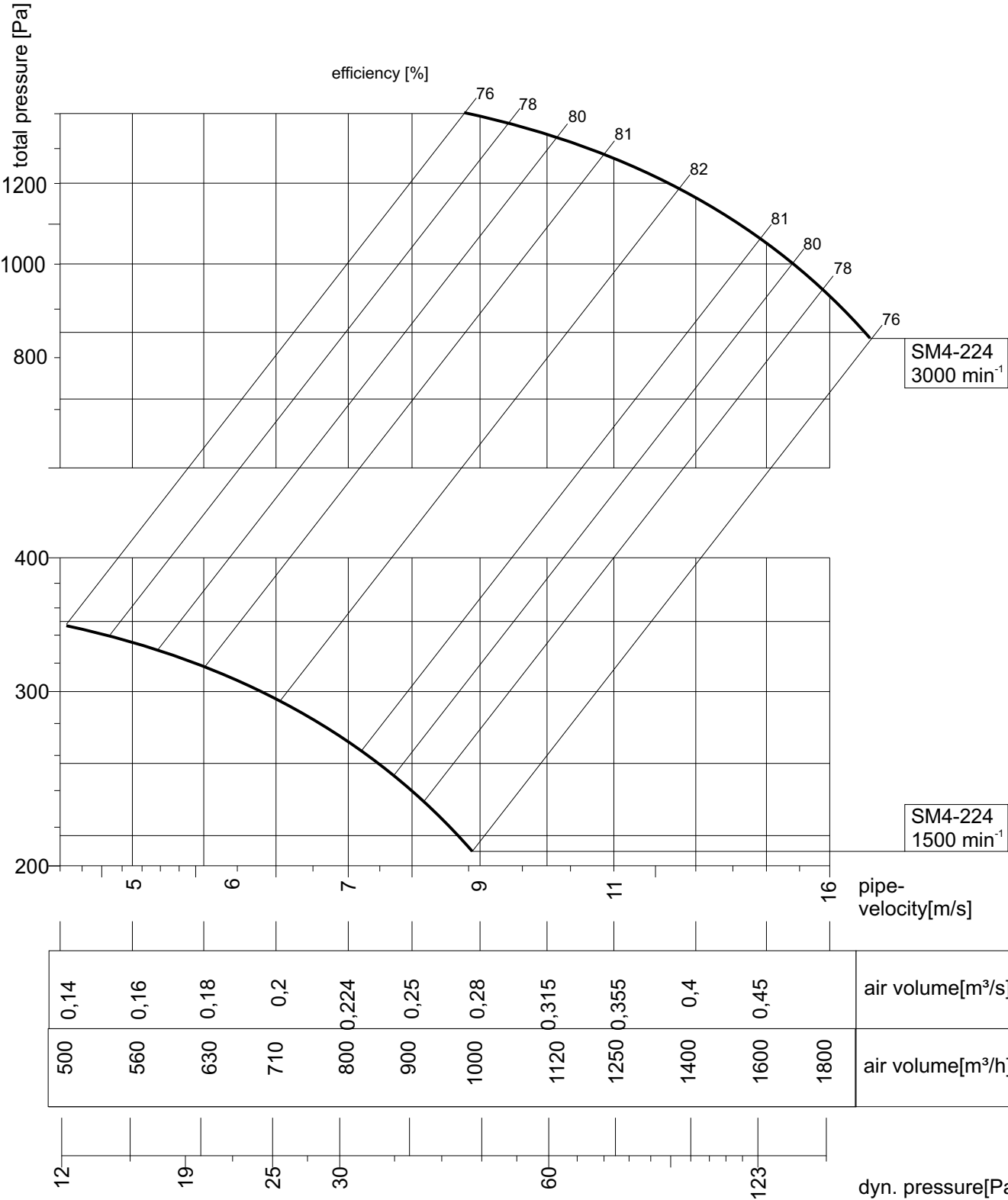


ROOF RADIAL FAN WITH WELDED CASING TYP **SD-200**



Values maked round to preffered numbers

Temperature: q=20°C
Density: r=1,2kg/m³

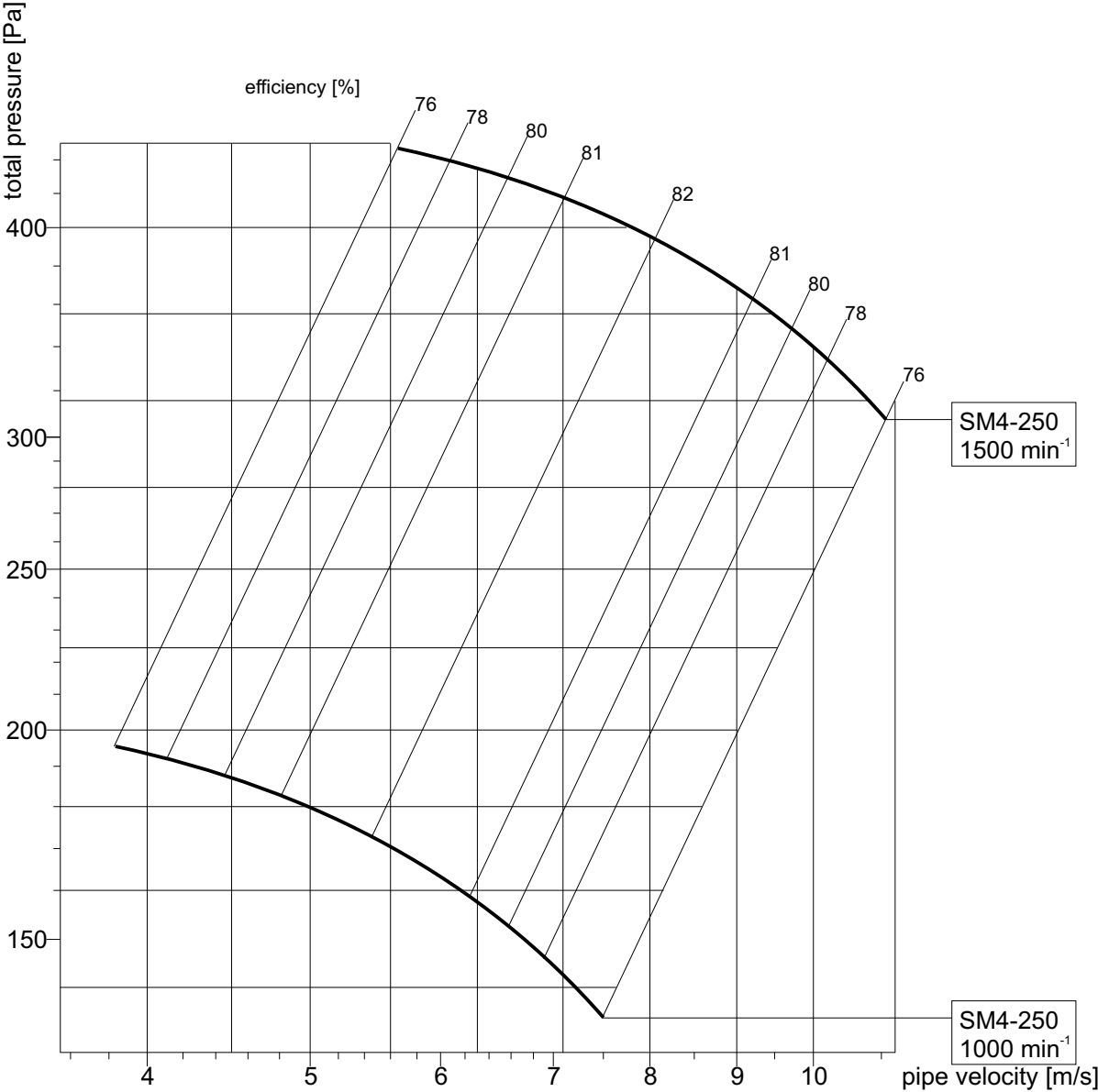


ROOF RADIAL FAN WITH WELDED CASING TYP **SD-250**

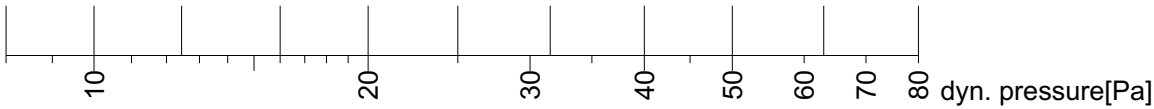


Values maked round to preffered numbers

Temperature: $q=20^{\circ}\text{C}$
Density: $r=1,2\text{kg/m}^3$



0,18	0,2	0,224	0,25	0,28	0,315	0,355	0,4	0,45	0,5	0,56	air volume[m³/s]
630	710	800	900	1000	1120	1250	1400	1600	1800	2000	air volume[m³/h]

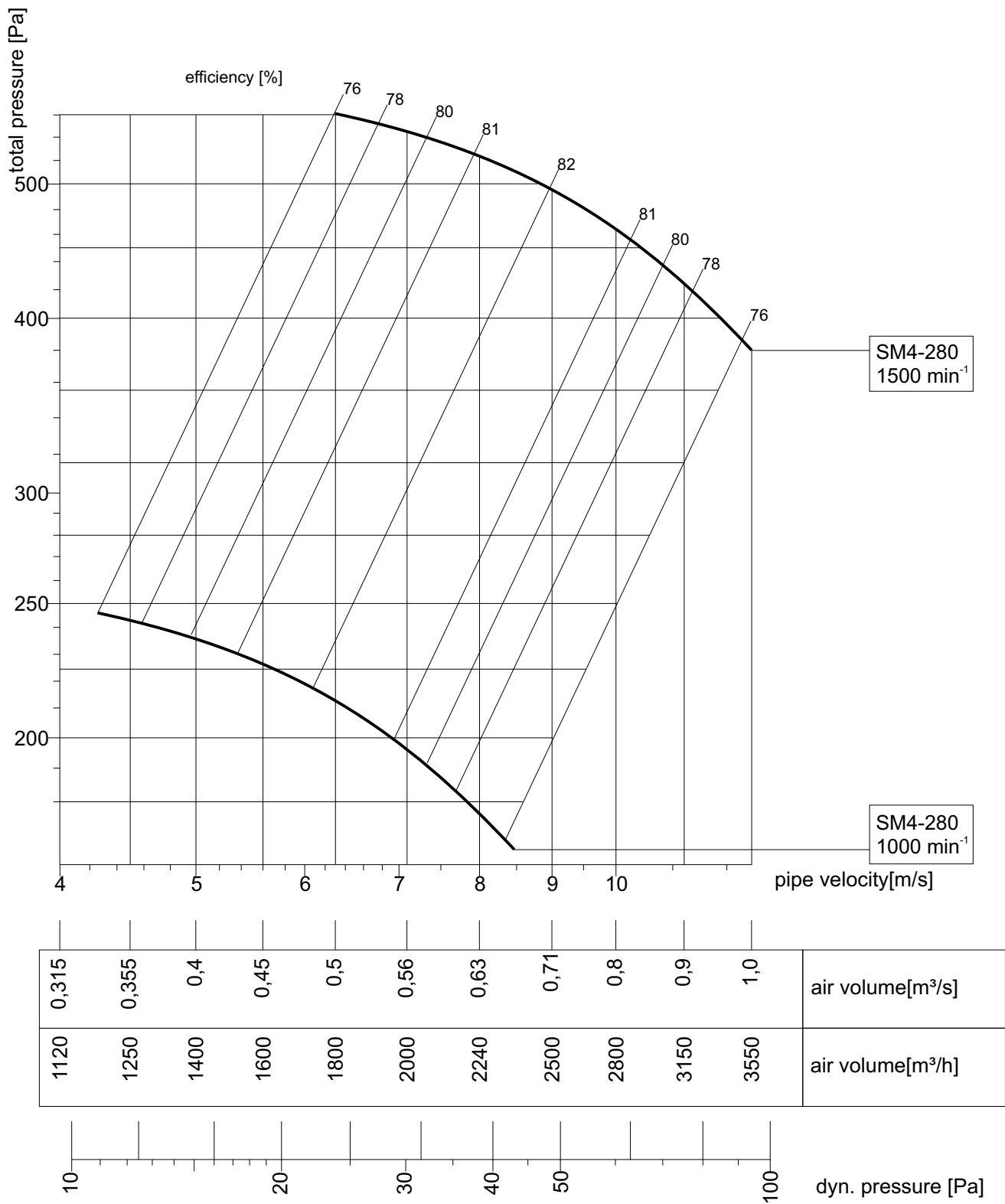


ROOF RADIAL FAN WITH WELDED CASING TYP **SD-315**



Values maked round to preffered numbers

Temperature: $q=20^{\circ}\text{C}$
Density: $r=1,2\text{kg/m}^3$

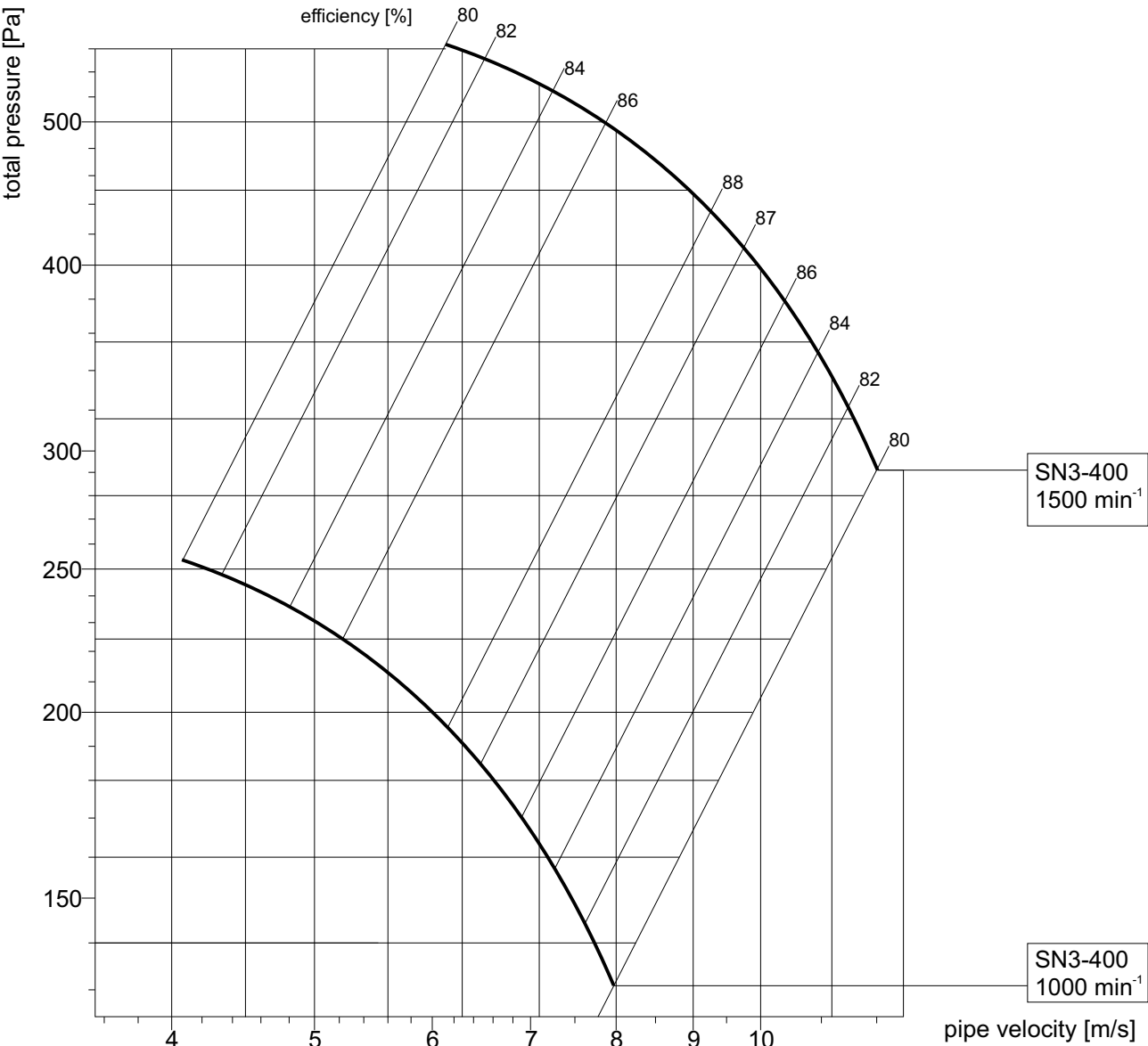


ROOF RADIAL FAN WITH
WELDED CASING
TYP **SD-355**

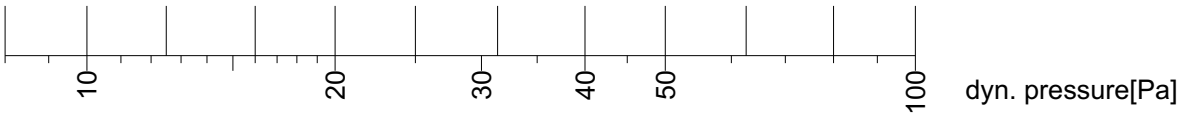


Values maked round to preffered numbers

Temperature: q=20°C
Density: r=1,2kg/m³



0,355	0,4	0,45	0,5	0,56	0,63	0,71	0,8	0,9	1,0	1,12	1,25	air volume[m³/s]
1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000	4500	air volume[m³/h]

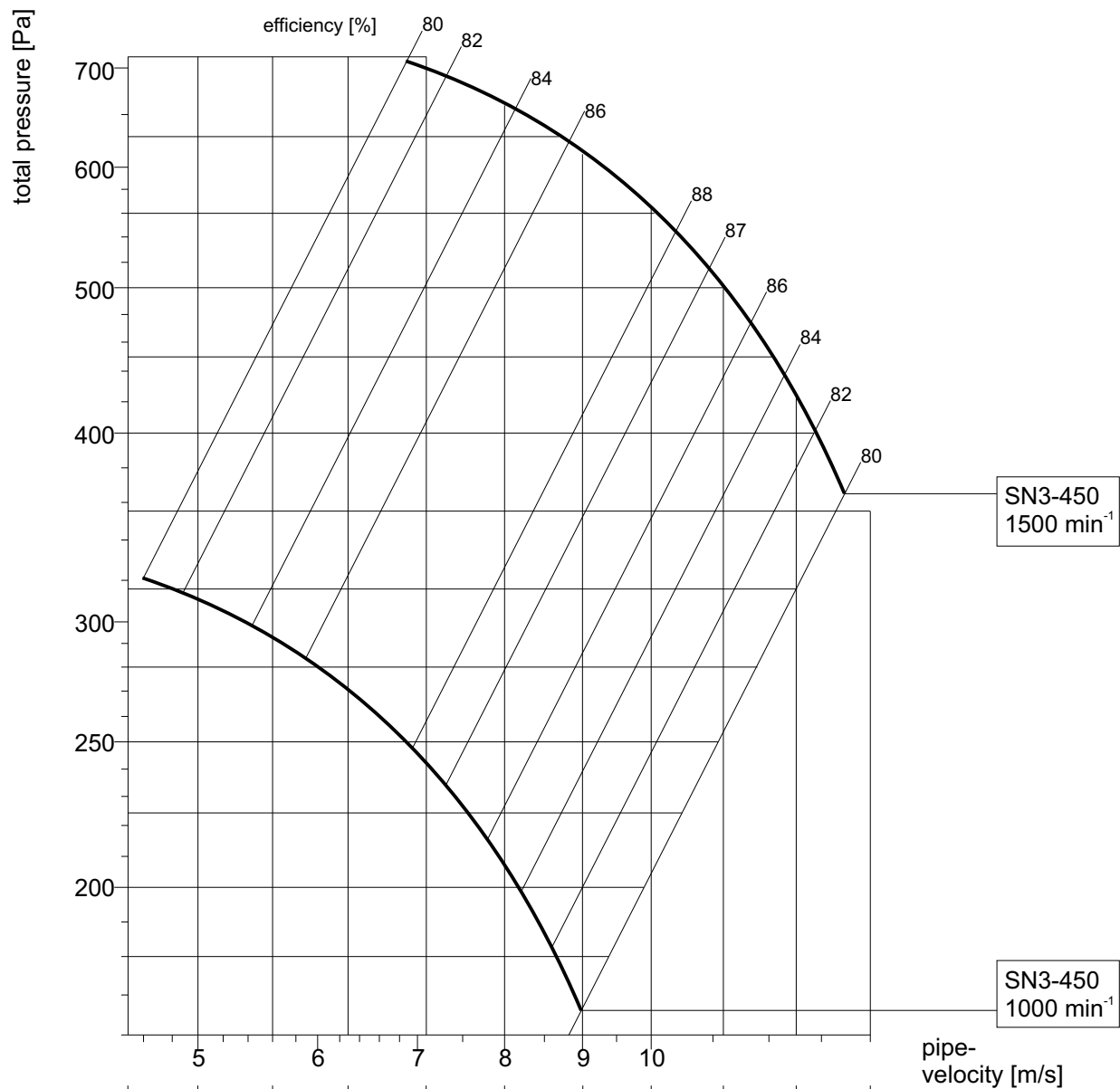


ROOF RADIAL FAN WITH WELDED CASING TYP **SD-400**



Values maked round to preffered numbers

Temperature: $q=20^{\circ}\text{C}$
Density: $r=1,2\text{kg/m}^3$



0,56	0,63	0,71	0,8	0,9	1,0	1,12	1,25	1,4	1,6	1,8	air volume[m ³ /s]
2000	2240	2500	2800	3150	3550	4000	4500	5000	5600	6300	air volume[m ³ /h]



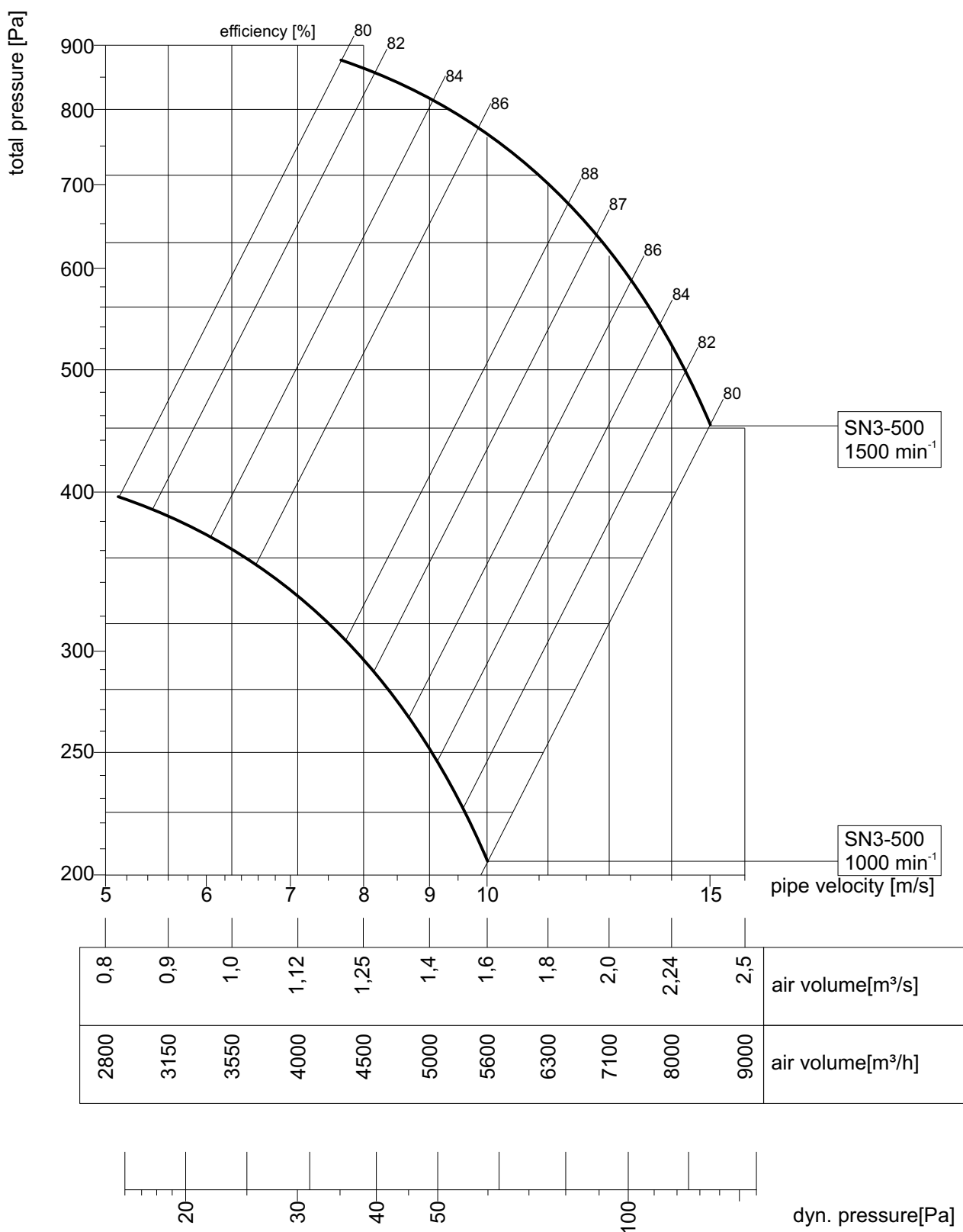
ROOF RADIAL FAN WITH WELDED CASING TYP SD-450



Values made round to preferred numbers

Temperature: $q=20^{\circ}\text{C}$

Density: $r=1,2\text{kg/m}^3$



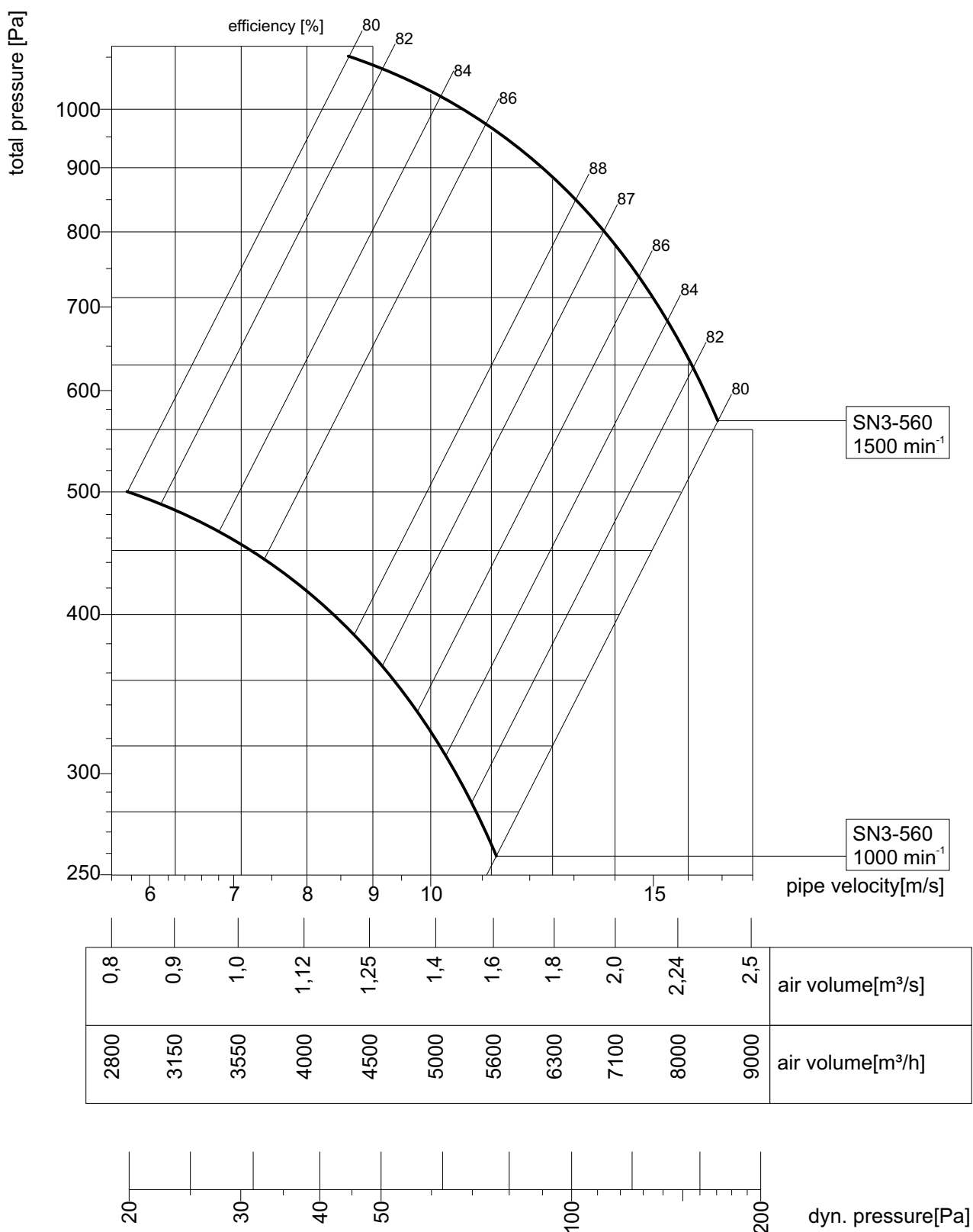
ROOF RADIAL FAN WITH WELDED CASING TYP SD-500



Values made round to preferred numbers

Temperature: $q=20^{\circ}\text{C}$

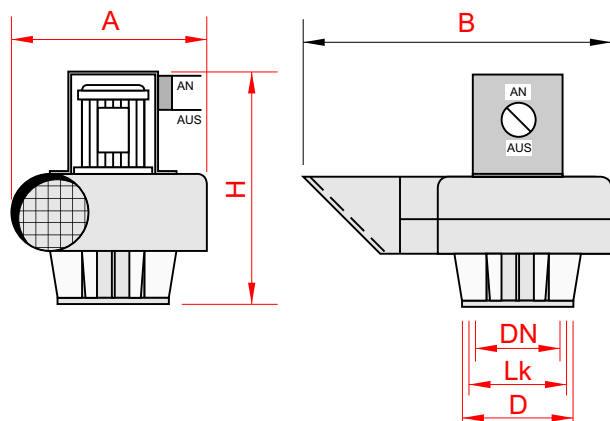
Density: $r=1,2\text{kg/m}^3$



Measurement Dimensions Line of Products **SD**

In addition to the standard sizes of **VAKUTEC®-Roof Radial Fans**, greater sizes according special requirement are available.

Roof Radial Fan DN75 and DN110

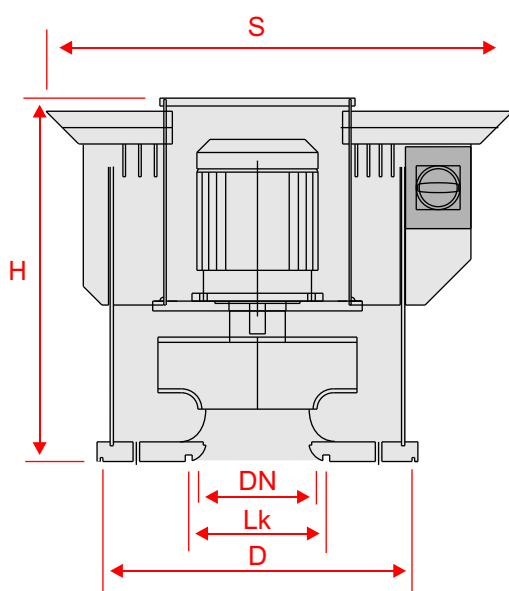


see also
VAKUTEC®-small radial fan
SK design D

Type	H	A	B	DN	Lk	D
SD 75	280	280	350	75	115	155
SD 110	320	310	450	110	150	190

Change of dimensions and construction with reservation.

Roof Radial Fan DN160 and greater



Type	H	S	DN	Lk	D
SD 160	555	590	160	200	490
SD 180	555	590	160	210	490
SD 200	555	630	200	240	490
SD 250	555	630	250	290	490
SD 315	630	770	315	350	630
SD 355	660	925	355	400	700
SD 400	720	1020	400	435	820
SD 450	750	1120	450	490	920
SD 500	900	1200	500	580	980

Change of dimensions and construction with reservation.