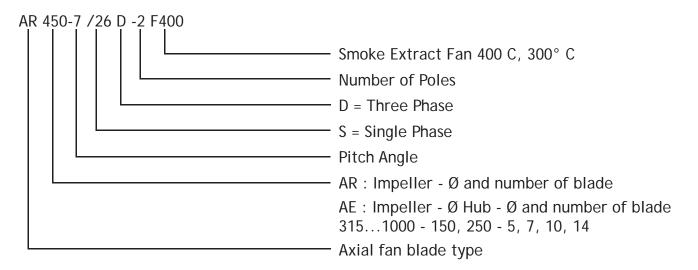
Axial Fan Series Model Nos.: AR







Fan type code



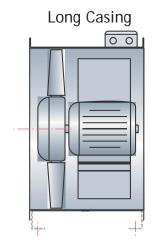
Features and construction

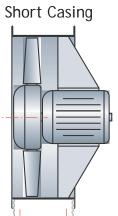
Types and duties

Seacon Axial flow-fans are specially manufactured for all applications and mounting positions in case sizes 315 up to 1600 mm diameter. The performance range is from 1000 up to 360000 m³/h on air volume, at static pressure up to 1500 Pa. Higher pressures are possible on multi-stage versions, contra-rotating. The curves show in this catalogue are for smoke extract version up to 300 C only. For F 400 C, please approvach Lti's s taff for assistant.

Casing:

Fan casing are fabricate using mild steel and treated with hot dip galvanised or epoxyafter manufacturing as an anti Standard length fans are lerg casing type which cover overall length of the impeller and motor. The motor leads (cover by flexible conduti) are connect to the terminal box on the fan casing. Where there is limited mounting for the ducts, short casing are used for installation. The motor cable are taken directly fot the T-box of the motor.





Impellers

Seacon impellers, hubs and blades are made of die-cast aluminium alloy, the sophisticated aerodynamical profile guarantees high efficiency and low noise. The manual pitch adjustable blades allow maximum flexibility to match individual airflow requirement. The variable number of blades increases the performance range.

Each impeller is statically and dynamically balanced and checked to ensure smooth operation. All impeller examined by X-ray to ensure flawless castings.

Motors

Seacon uses totally enclosed fan cool squirrel cage motors rated to IEC 34, if required also in accordance to EPACT. The standard motors have Class F and H enclosure class IP 55.

Ambient temperture of the operation is +40 "C, with 2 or 3 speeds, TAB- or DUAL-wounded are also available. The motor bearings have a L 10 life.

Forms of running

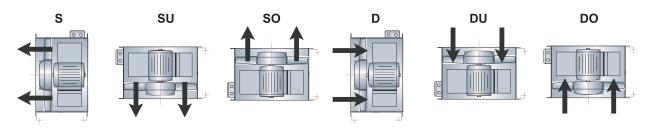
Seacon Axial flow fans are available for all forms of running.

The chart information shows all standard forms of running, please indicate when ordering.

Standard form of running . Type D.

Form of running is especially relevant when weather proof motors are required.

Arrows indicating correct rotating and direction of airflow are shown on the fan casing.



Fan performance curves

The performance curves for these fan types have been established in mounting position D (installed on the pressure side and suction side) and show the total pressure increase ? pt as a function of the volume flow. The dynamic pressure pd2 refers to the flange cross section at the outlet side of the fan.

Sound levels

The ascertaining of the sound level follows the enveloping surface method according to DIN 45635 section 38. In the performance curves shows the unweighted total sound power levels. The octave sound power level is important for the choice of suitable sound attenuators. It is obtained as follows.

$L_{WOkt} = L_{W} + L W_{rel}$

The relative octave sound power level L _{WArel} octave medium frequency can be taken from the tables. These levels has been established at 0.5 X Vmax. The A-weighted octav sound power level is obtained by reducting by the Afilter. (A-filter see page 7)

 $L_{_{WAOkt}} = L_{_{Wokt}} + L_{_{WrelA}}$ The "A" sound power level L $_{_{WA}}$ is obtained by logarithmical addition of all A-weighted octave sound power levels. (See page 7)

Sound power level on suction and on outlet side are nearly the same.

 $L_{W5} \sim L_{W6}$, $L_{WA5} \sim L_{WA6}$, $L_{WA5} \sim L_{WA}$ -3

The sound power level emitted through the housing L, according to DIN 45635, part 38 is obtained approximately as follows:

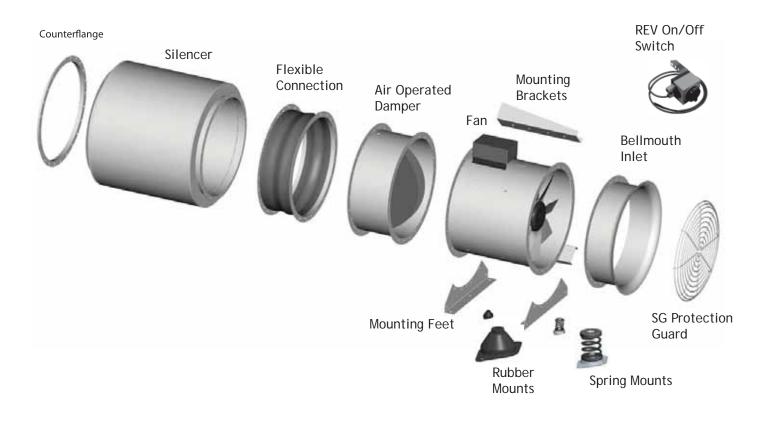
$L_{W3} = L_{W} - 15 dB(A)$

The "A" sound pressure level L_{PA} at a distance of 1 metre is obtained approximately by deducting 7 dB(A) from the "A" sound power level L $_{\mbox{\tiny WA}}.$

It is important to note that the reflection and room characteristic as well as natural frequencies differently influence the sound pressure levels



Fan Installation With Accessories



Certificate and Approval

| TENT NUMBER FOR | | | |
|---|---|--|------------|
| Seacon Engineering Equipmen | Pte. Ltd | | - 1 |
| Alto SA Jacky Work | | | |
| Date 24 June 2008 | | | |
| Subarit, Hut, Semantabe | s.fact.teld | | |
| The ballies membered free Class & Parliaments of R continues," as per ball re- | and Section for Sea Associated In a Tiple - Party 1995 "Specific and of IDMARCONSMICLC -0 | er results at 400°C and complete patient for preserved service and fixed and 18 June 2008. | art s. st. |
| Description of feating faits | | | |
| Hindei Bawel Type Barbie Argin Barbie Romer Spanie Impalie Materia Charg Dia ul fan | | | |
| Ohu Lan D | owne . | GARDA | • |
| California California Martina | Anno Alexandro (M) Televice Alexandro Marcola Al | Name And State 10 State And State State And State And State And State 10 State And State And State And State And State 10 State And State And State And State And State And State 10 State And State And State And State And State And State 10 State And | Feet1 |



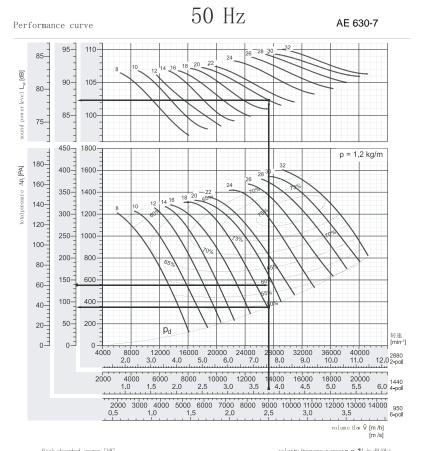
Selection example

Required duty point by customer Volume flow : 3,8 m³/s static pressure: 50 Pa (for total pressure, please add velocity pressure to static pressure - 90 Pa dyn. pressure 50 Pa static pressure = 140 Pa total pressure) Fan speed: 1440 1/min (4-pole) How to use: After having chosen right fan performance curve please draw volume flow and pressure.

In the cross you will find the following fan data:

- motor speed or number of poles 1440 1/min - 4-pole

- pitch angle: 20 degrees
- fan efficiency: 58 %
- sound power level: 87 dB



| | Peak at | sorbe | 1 powe | er [k⊮. | | | | | | | | | | relate | v freq | ieuc i | / spect | n m | 7L IN | dB/OK | t |
|----------------------|---------|-------|--------|---------|------|------|--------|------|------|------|------|------|------|--------|--------|--------|---------|----------------|--------|-------|-----|
| n | | | | | | pitd | h angl | e [] | | | | | | | | 0ct | a ve b | . midf | r. [Hz |] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | $1 \mathrm{k}$ | 2k | 4k | 8k |
| 950 | 0,15 | 0,20 | 0,25 | 0,28 | 0,29 | 0,33 | 0,36 | 0,40 | 0,47 | 0,55 | 0,61 | 0,64 | 0,71 | | - | - | - | | | | |
| motor | 0,37 | | | | | | | 5,5 | | | 1,1 | | | -3 | -5 | -7 | -7 | -8 | -12 | -18 | -24 |
| 1440 | 0,53 | 0,69 | 0,88 | 0,96 | 1,02 | 1,15 | 1,24 | 1,41 | 1,65 | 1,90 | 2,11 | 2,22 | 2,47 | | | | | | | | |
| motor | 0,55 | 1,1 | | | | 1,5 | | | 2,2 | | | 3,0 | | -5 | -6 | -5 | -6 | -7 | -10 | -15 | -21 |
| 2880 | 4,24 | 5,52 | 7,04 | 7,68 | 8,16 | 9,20 | 9,92 | 11,3 | 13,2 | 15,2 | 16,9 | 17,8 | 19,8 | _ | | _ | | _ | | | |
| motor | 5,5 | 7,5 | | 11,0 | | | | 15,0 | | 18,5 | | | 22,0 | -5 | -10 | -/ | -5 | -/ | -8 | -12 | -18 |

Choose motor power:

Two possibilities are practicable to choose the motor power

1) Calculation absorbed power in duty point

$$P_{L}[kW] = \frac{V[m^{3}/s] \cdot \Delta pt [Pa]}{n [\%] \cdot 10} = \frac{3.8 \text{ m}^{3}/s \cdot 140 \text{ Pa}}{58 \cdot 10} = 0.91 \text{ kW}$$

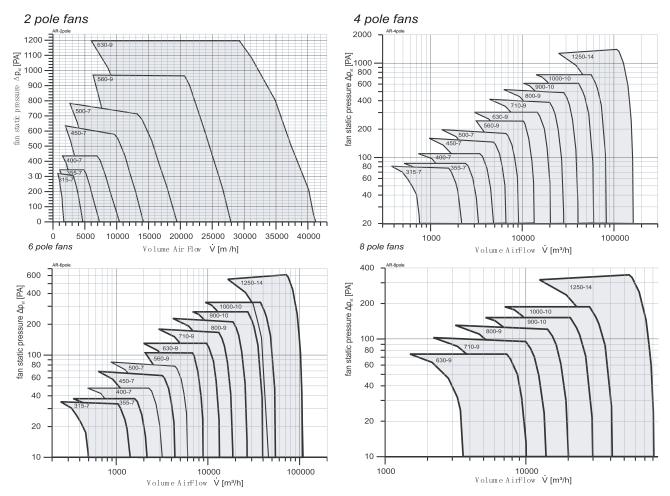
Motor power: 1,1 kW

2) After peak-absorbed power

see chart: 1,24 kW Motor power: 1,5 kW

Peak power is the max power over the whole pitch angle in the worst case.

How to get the required noise level, see page 7.



Quick Selection



Axial Flow Fan Dimension

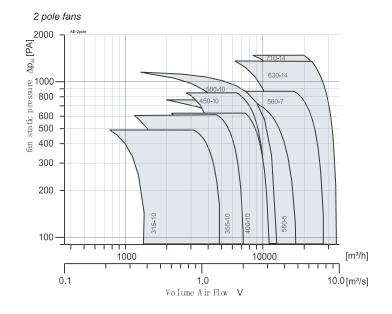
| Size | Di | Da | hF | zxd | Tk | EF | | bF |
|------|-------|------|-------|---------|------|------|------|------|
| [mm] | [mm][| mm][| mm][| mm] | [mm] | [mm] | [mm] | [mm] |
| 315 | 315 | 395 | 2318 | x 12 | 355 | 265 | 315 | 60 |
| 355 | 355 | 435 | 2628 | x 12 | 395 | 305 | 355 | 60 |
| 400 | 400 | 480 | 2971 | 2 x 12 | 440 | 350 | 400 | 60 |
| 450 | 450 | 530 | 3321 | 2 x 12 | 490 | 400 | 450 | 60 |
| 500 | 500 | 580 | 3501 | 2 x 12 | 540 | 440 | 500 | 70 |
| 560 | 560 | 660 | 3661 | 6 x 14 | 605 | 500 | 560 | 70 |
| 630 | 630 | 730 | 49 | 16 x 14 | 675 | 570 | 630 | 70 |
| 710 | 710 | 810 | 4901 | 6 x 14 | 755 | 650 | 710 | 70 |
| 800 | 800 | 900 | 5081 | 6 x 14 | 845 | 730 | 800 | 80 |
| 900 | 900 | 1000 | 5711 | 6 x 14 | 945 | 830 | 900 | 80 |
| 1000 | 1000 | 1100 | 6591 | 6 x 14 | 1050 | 930 | 990 | 80 |
| 1067 | 1067 | 1081 | 11811 | 6 x 14 | 1135 | 997 | 1057 | 80 |
| 1250 | 1250 | 1345 | 7992 | 4 x 14 | 1315 | 1180 | 1240 | 100 |
| 1400 | 1400 | 1530 | | 24 x 14 | 1470 | 1330 | 1390 | 120 |

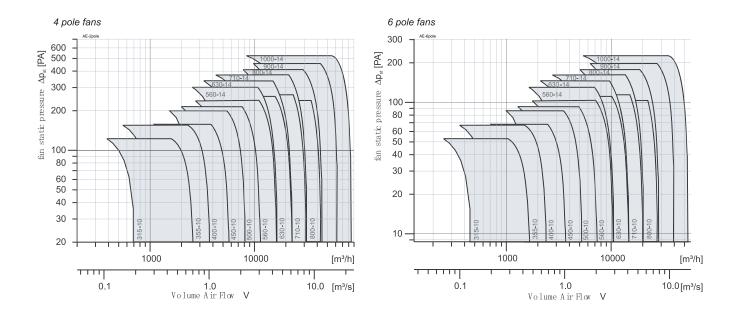
| | | | LH | | | SH | |
|------------|------|------|-------|---------|------|------|------|
| Size | sk | 11 | 1m | otor | k2 | 12 | Imax |
| (mm) | (mm) | (mm) | (mm)m | ах | (mm) | (mm) | (mm) |
| 315/3552 | | 305 | 355 | 80 | 160 | 225 | 350 |
| 400 | 2 | 305 | 355 | 90 | 160 | 225 | 400 |
| 450 | 2 | 350 | 400 | 112 | 160 | 225 | 500 |
| 500 | 2 | 450 | 500 | 132 | 149 | 225 | 400 |
| 560 | 2 | 450 | 500 | 112 | 149 | 225 | 600 |
| 500 | Z | 650 | 700 | 160 | 149 | 225 | 500 |
| 630 | 2 | 450 | 500 | 112 | 224 | 300 | 750 |
| 030 | Z | 650 | 700 | 160 | 149 | 225 | 500 |
| 710 | 3 | 450 | 500 | 112 | 224 | 300 | 750 |
| 800 | 3 | 510 | 560 | 132 | 147 | 225 | 400 |
| 800 | 5 | 650 | 700 | 160 | 147 | 225 | 600 |
| 900 | 3 | 580 | 630 | 160 | 137 | 225 | 500 |
| 1000/10673 | | 580 | 600 | 160 | 212 | 300 | 50 |
| 1000/100/3 | | 730 | 780 | 180 | 137 | 225 | 500 |
| 1250 | 4 | 700 | 800 | 180 | 262 | 350 | 800 |
| 1250 | 4 | 900 | 1000 | 225 | 242 | 350 | 800 |
| 1400 | 4 | | 1200 | 250-280 | | | |
| 1400 | 6 | | 1350 | 315 | | | |

SEACON EQUIDMENTS

SEACON EQUIDMENTS

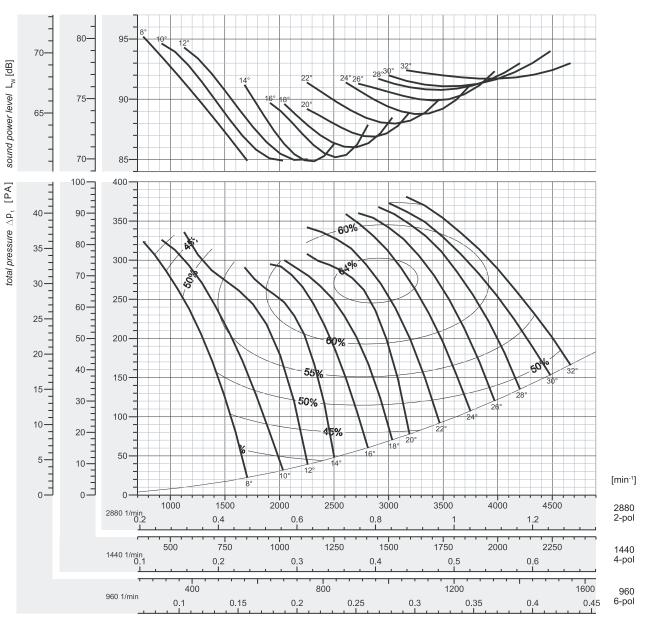
Quick Selection





AR 315-7





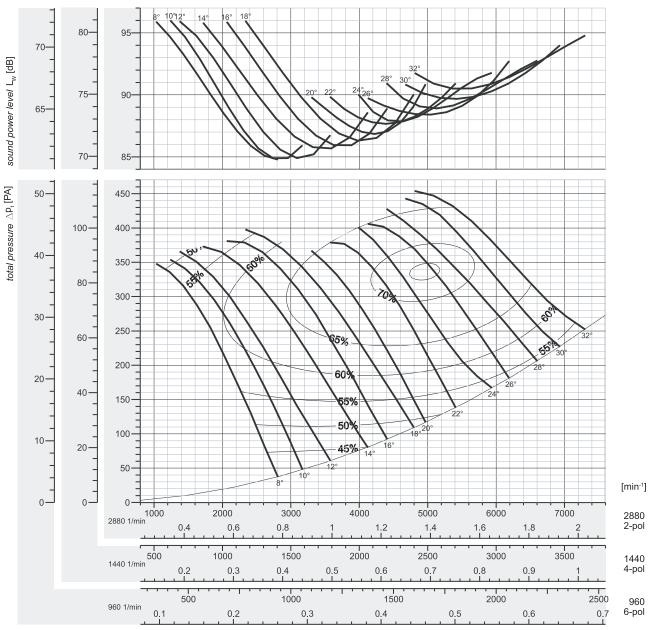
smoke extract versions for 300°C/2h and 400°C/2h on request

volume flow V [m³/h] [m³/s]

| | Peak a | bsorb | ed po | wer [k | wj | | | | | | | | | relativ | e frec | quenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|-------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,02 | 0,02 | 0,02 | 0,02 | 0,02 | 0,02 | -7 | -5 | -7 | -9 | -10 | -15 | -21 | -22 |
| motor | 0,37 | | | | | | | | | | | | | -/ | -5 | -7 | -9 | -10 | -15 | -21 | -22 |
| 1440 | 0,02 | 0,03 | 0,03 | 0,03 | 0,03 | 0,04 | 0,04 | 0,05 | 0,06 | 0,06 | 0,07 | 0,07 | 0,08 | -5 | -6 | -5 | -6 | -7 | -10 | -15 | 21 |
| motor | 0,37 | | | | | | | | | | | | | -5 | -0 | -5 | -0 | -7 | -10 | -15 | -21 |
| 2880 | 0,18 | 0,21 | 0,26 | 0,24 | 0,26 | 0,28 | 0,32 | 0,4 | 0,47 | 0,49 | 0,53 | 0,54 | 0,61 | -5 | -10 | -7 | -5 | -7 | -8 | 10 | -18 |
| motor | 0,37 | | | | | | | 0,55 | | | | | 0,75 | -5 | -10 | -7 | -5 | -7 | -0 | -12 | -10 |

AR 355-7





smoke extract versions for 300°C/2h and 400°C/2h on request

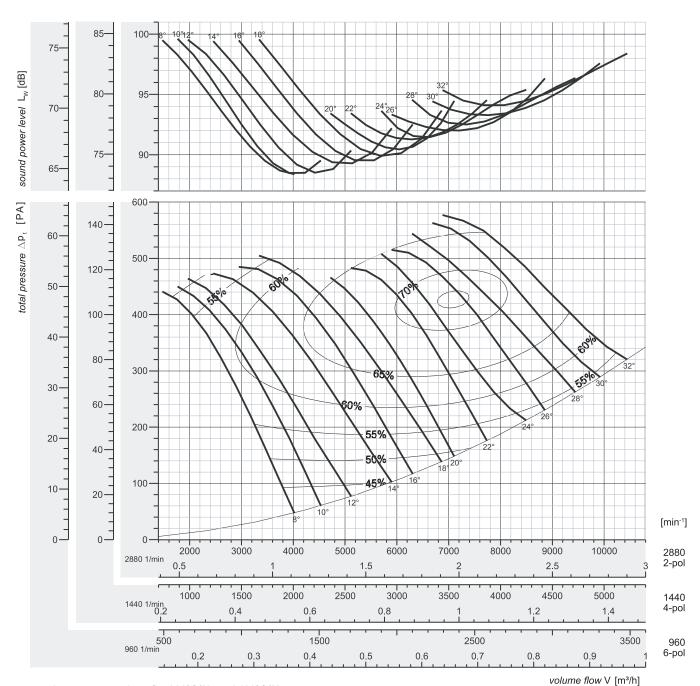
volume flow V [m³/h] [m³/s]

| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e freq | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|-------|--------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . midi | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,01 | 0,01 | 0,02 | 0,02 | 0,02 | 0,02 | 0,02 | 0,03 | 0,03 | 0,03 | 0,04 | 0,04 | 0,04 | -7 | -5 | -7 | -9 | -10 | -15 | -21 | -22 |
| motor | 0,37 | | | | | | | | | | | | | -/ | -0 | -7 | -9 | -10 | -15 | -21 | -22 |
| 1440 | 0,04 | 0,05 | 0,06 | 0,06 | 0,06 | 0,06 | 0,07 | 0,09 | 0,11 | 0,11 | 0,12 | 0,12 | 0,14 | -5 | -6 | -5 | -6 | -7 | 10 | 45 | 04 |
| motor | 0,37 | | | | | | | | | | | | | -5 | -0 | -5 | -0 | -7 | -10 | -15 | -21 |
| 2880 | 0,32 | 0,38 | 0,47 | 0,44 | 0,48 | 0,51 | 0,59 | 0,74 | 0,85 | 0,9 | 0,97 | 0,99 | 1,11 | -5 | 10 | -7 | -5 | -7 | -8 | -12 | 10 |
| motor | 0,37 | 0,55 | | | | | 0,75 | | 0,9 | | 1,1 | | 1,5 | -5 | -10 | -7 | -5 | -7 | -8 | -12 | -18 |

AR 400-7



[m³/s]



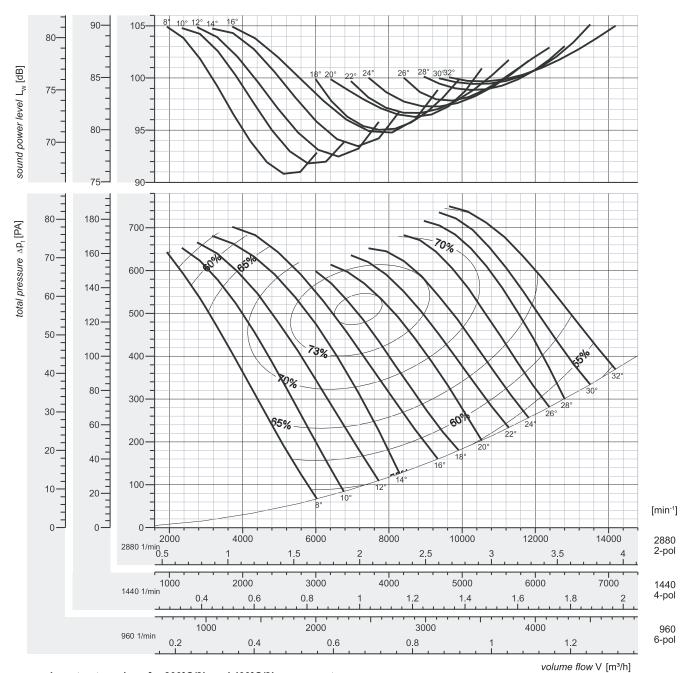
smoke extract versions for 300°C/2h and 400°C/2h on request

| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e freq | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | z] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,02 | 0,02 | 0,02 | 0,02 | 0,03 | 0,03 | 0,03 | 0,04 | 0,04 | 0,05 | 0,05 | 0,06 | 0,06 | -5 | -6 | E | -6 | -7 | -10 | -15 | 01 |
| motor | 0,37 | | | | | | | | | | | | | -5 | -0 | -5 | -0 | -/ | -10 | -15 | -21 |
| 1440 | 0,05 | 0,06 | 0,07 | 0,09 | 0,10 | 0,12 | 0,12 | 0,13 | 0,16 | 0,16 | 0,19 | 0,21 | 0,22 | -5 | -6 | -5 | -6 | -7 | -10 | -15 | -21 |
| motor | 0,37 | | | | | | | | | | | | | -5 | -0 | -5 | -0 | -7 | -10 | -15 | -21 |
| 2880 | 0,42 | 0,48 | 0,56 | 0,68 | 0,81 | 0,92 | 0,95 | 1,06 | 1,24 | 1,30 | 1,49 | 1,68 | 1,79 | -5 | -10 | -7 | -5 | 7 | -8 | -12 | -18 |
| motor | 0,55 | | 0,75 | 1,1 | | | | | 1,5 | | | 2,2 | | -5 | -10 | -7 | -0 | -7 | -8 | -12 | -10 |

AR 450-7



[m³/s]



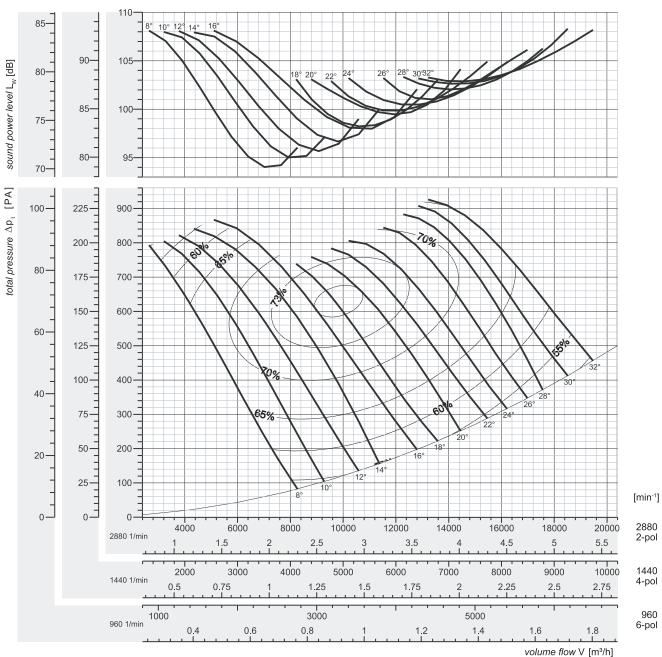
smoke extract versions for 300°C/2h and 400°C/2h on request

| | Peak a | bsorb | ed po | wer [k | wj | | | | | | | | | relativ | e frec | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|--------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h angl | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,03 | 0,03 | 0,04 | 0,04 | 0,05 | 0,05 | 0,06 | 0,06 | 0,07 | 0,08 | 0,10 | 0,11 | 0,12 | -3 | -5 | -7 | -7 | -8 | -12 | -18 | -24 |
| motor | 0,37 | | | | | | | | | | | | | -3 | -5 | -7 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 0,09 | 0,11 | 0,13 | 0,15 | 0,18 | 0,18 | 0,20 | 0,22 | 0,25 | 0,30 | 0,35 | 0,37 | 0,40 | F | 6 | F | 6 | 7 | 10 | 45 | 04 |
| motor | 0,37 | | | | | | | | | | | | 0,55 | -5 | -6 | -5 | -6 | -7 | -10 | -15 | -21 |
| 2880 | 0,70 | 0,87 | 1,03 | 1,22 | 1,40 | 1,41 | 1,56 | 1,76 | 1,96 | 2,36 | 2,77 | 2,94 | 3,22 | | 10 | 7 | _ | 7 | 0 | 40 | 10 |
| motor | 1,1 | | | 1,5 | | | 2,2 | | | 3,0 | | | 4,0 | -5 | -10 | -7 | -5 | -7 | -8 | -12 | -18 |

AR 500-7



[m³/s]



smoke extract versions for 300°C/2h and 400°C/2h on request

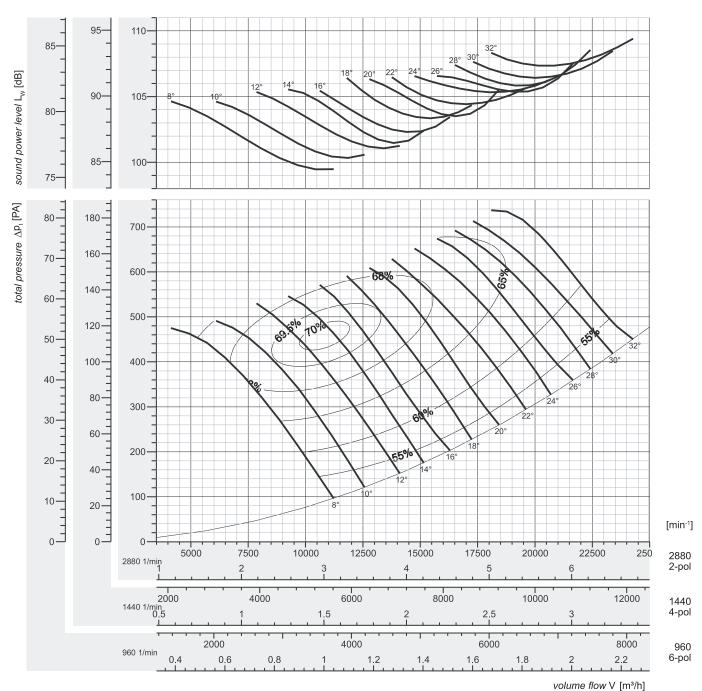
| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e frec | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|---|-------|-------|--------|------|------|------|------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | 0,04 0,05 0,06 0,07 0,09 0,09 0,09 0,11 0,12 0,14 0,17 0,18 0,37 0,15 0,18 0,22 0,26 0,30 0,33 0,37 0,42 0,50 0,59 0,62 | | | | | | | | | | | | | | | Oct | ave b | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,04 | 0,05 | 0,06 | 0,07 | 0,09 | 0,09 | 0,09 | 0,11 | 0,12 | 0,14 | 0,17 | 0,18 | 0,20 | -3 | -5 | -7 | -7 | -8 | -12 | -18 | -24 |
| motor | 0,37 | | | | | | | | | | | | | -3 | -5 | -7 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 0,15 | 0,18 | 0,22 | 0,26 | 0,30 | 0,30 | 0,33 | 0,37 | 0,42 | 0,50 | 0,59 | 0,62 | 0,68 | -5 | -6 | -5 | 6 | 7 | 10 | -15 | -21 |
| motor | 0,37 | | | | | | | | 0,55 | | 0,75 | | | -5 | -0 | -5 | -6 | -7 | -10 | -15 | -21 |
| 2880 | 1,19 | 1,47 | 1,74 | 2,06 | 2,37 | 2,39 | 2,63 | 2,98 | 3,32 | 3,99 | | | | -5 | -10 | -7 | -5 | -7 | -8 | -12 | -18 |
| motor | 1,5 | | 2,2 | | 3,0 | | | | 4,0 | | -* | | | -5 | -10 | -7 | -5 | -7 | -0 | -12 | -10 |

* nicht möglich / out of range

AR 560-3



[m³/s]



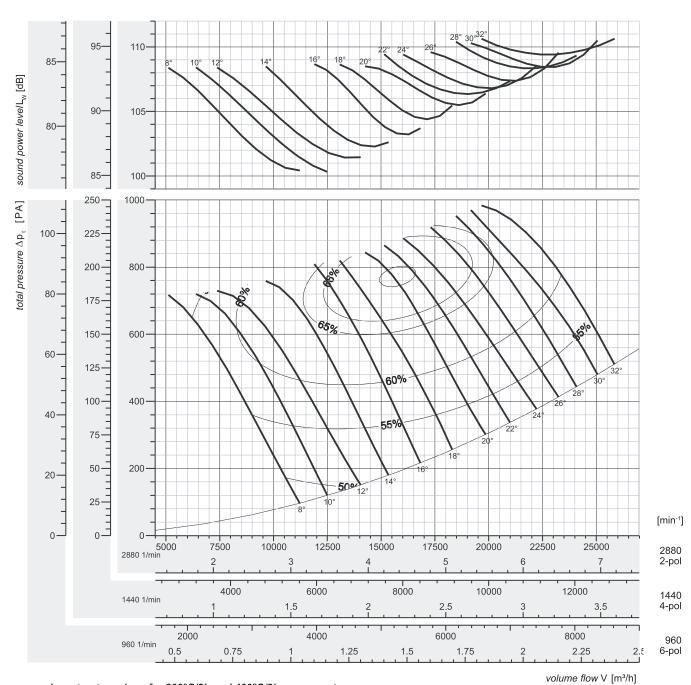
smoke extract versions for 300°C/2h and 400°C/2h on request

| | Peak a | bsorb | ed po | wer [k | w] | | | | | | | | | relativ | e freq | quenc | y spe | ctrun | n ∆L i | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|--------|--------|------|------|------|------|------|---------|--------|-------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h angl | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz |] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,04 | 0,05 | 0,06 | 0,08 | 0,09 | 0,10 | 0,12 | 0,13 | 0,15 | 0,16 | 0,18 | 0,20 | 0,22 | -3 | -5 | -7 | -7 | -8 | -12 | -18 | -24 |
| motor | 0,37 | | | | | | | | | | | | | -3 | -5 | -7 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 0,14 | 0,17 | 0,22 | 0,27 | 0,31 | 0,36 | 0,41 | 0,46 | 0,51 | 0,57 | 0,62 | 0,68 | 0,77 | -5 | -6 | -5 | 6 | -7 | -10 | -15 | 21 |
| motor | 0,55 | | | | | | | | | | 0,75 | | | -5 | -0 | -5 | -0 | -7 | -10 | -15 | -21 |
| 2880 | 1,11 | 1,39 | 1,76 | 2,14 | 2,51 | 2,89 | 3,28 | 3,65 | 4,10 | 4,54 | 4,97 | 5,44 | 6,19 | F | 10 | -7 | E | 7 | 0 | 10 | 10 |
| motor | 1,5 | | 2,2 | | 3,0 | | 4,0 | | 5,5 | | | | 7,5 | -5 | -10 | -7 | -5 | -7 | -8 | -12 | -18 |

AR 560-6



[m³/s]



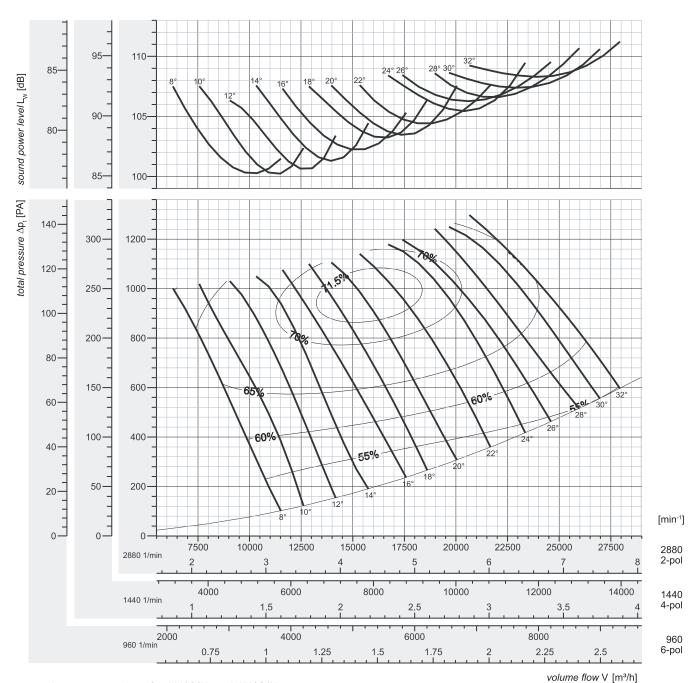
smoke extract versions for 300°C/2h and 400°C/2h on request

| | Peak a | bsorb | ed po | wer [k | w] | | | | | | | | | relativ | e freq | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | z] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,07 | 0,09 | 0,10 | 0,12 | 0,15 | 0,16 | 0,18 | 0,20 | 0,22 | 0,24 | 0,27 | 0,29 | 0,31 | -3 | -5 | -7 | -7 | -8 | 10 | -18 | -24 |
| motor | 0,37 | | | | | | | | | | | | | -3 | -5 | -7 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 0,25 | 0,31 | 0,35 | 0,42 | 0,53 | 0,57 | 0,64 | 0,70 | 0,76 | 0,85 | 0,96 | 1,02 | 1,08 | -5 | -6 | -5 | -6 | -7 | 10 | -15 | 01 |
| motor | 0,55 | | | | | 0,75 | | | 1,1 | | | | | -5 | -0 | -5 | -0 | -7 | -10 | -15 | -21 |
| 2880 | 2,04 | 2,46 | 2,76 | 3,39 | 4,21 | 4,58 | 5,14 | 5,59 | 6,06 | 6,78 | 7,65 | 8,19 | 8,67 | -5 | 10 | -7 | F | 7 | 0 | 10 | 10 |
| motor | 2,2 | 3,0 | | 4,0 | 5,5 | | | 7,5 | | | 11,0 | | | -5 | -10 | -7 | -9 | -7 | -8 | -12 | -18 |

AR 560-9



[m³/s]



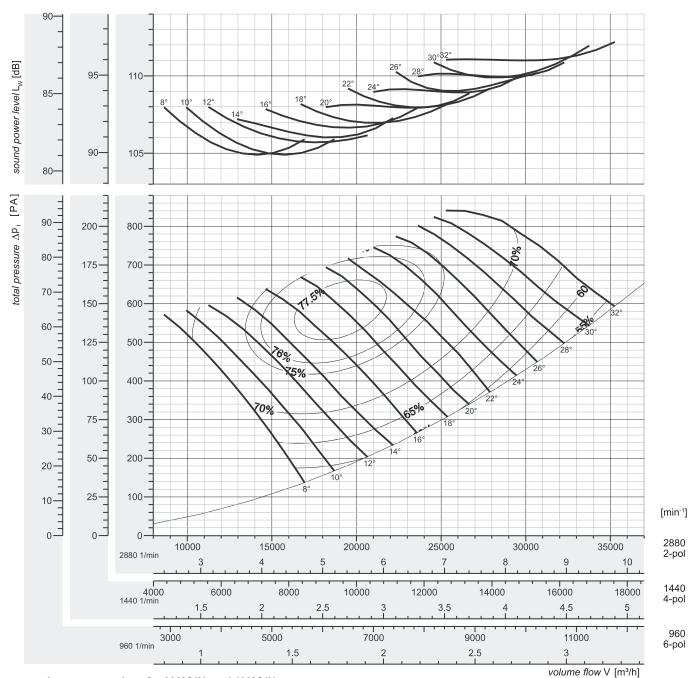
smoke extract versions for 300°C/2h and 400°C/2h on request

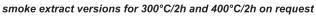
relative frequency spectrum \(\Delta\)L in dB/Okt Peak absorbed power [kW] pitch angle [°] Octave b. midfr. [Hz] n 20 125 250 500 1k 2k 4k [min⁻¹] 8 10 12 14 16 18 22 24 26 28 30 32 63 8k 960 0,10 0,12 0,14 0,16 0,18 0,21 0,23 0,26 0,29 0,31 0,33 0,38 0,41 -3 -5 -7 -7 -8 -12 -18 -24 motor 0,37 0,55 0,72 0,79 0,89 1440 0,36 0,42 0,50 0,55 0,64 1,01 1,06 1,13 1,32 1,45 -6 -5 -15 -21 -5 -6 -7 -10 motor 0,55 0,75 1,1 1,5 5,08 6,32 7,13 8,04 8,50 9,07 2880 2,87 3,38 3,99 4,43 5,77 10,6 11,6 -5 -10 -7 -5 -7 -8 -12 -18 3,0 7,5 15 motor 4,0 5,5 11

AR 630-3



[m³/s]

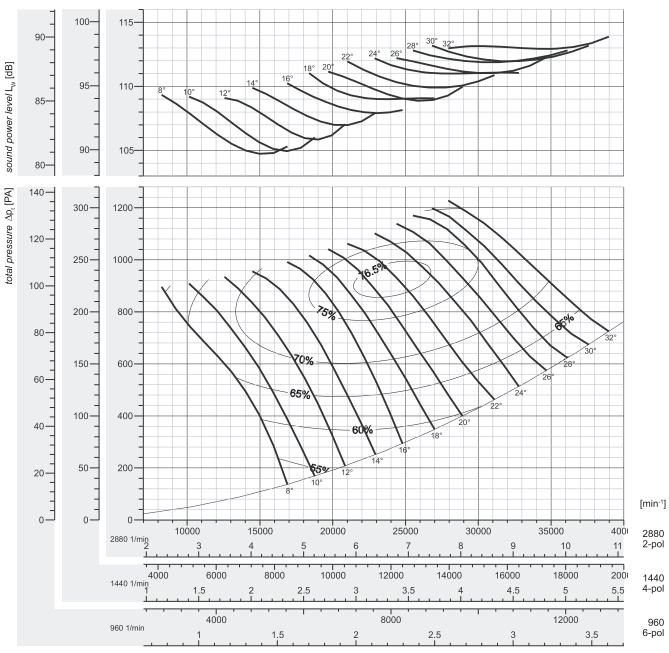




| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e frec | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | z] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,08 | 0,08 | 0,10 | 0,11 | 0,13 | 0,15 | 0,17 | 0,18 | 0,21 | 0,24 | 0,29 | 0,34 | 0,39 | -3 | -5 | -7 | -7 | -8 | -12 | -18 | -24 |
| motor | 0,37 | | | | | | | | | | | | 0,55 | -3 | -5 | -7 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 0,26 | 0,28 | 0,33 | 0,37 | 0,44 | 0,51 | 0,58 | 0,64 | 0,74 | 0,85 | 1,01 | 1,18 | 1,37 | -4 | 7 | 7 | -7 | 10 | 15 | 01 | 07 |
| motor | 0,55 | | | | | | 0,75 | | | 1,1 | | 1,5 | | -4 | -7 | -7 | -7 | -10 | -15 | -21 | -21 |
| 2880 | 2,10 | 2,21 | 2,66 | 2,97 | 3,50 | 4,06 | 4,60 | 5,10 | 5,93 | 6,80 | 8,07 | 9,42 | 10,9 | F | 6 | F | 6 | -7 | 10 | 15 | 01 |
| motor | 2,2 | | 3,0 | | 4,0 | 5,5 | | | 7,5 | | 11,0 | | | -5 | -6 | -5 | -6 | -/ | -10 | -15 | -21 |

AR 630-6





smoke extract versions for 300°C/2h and 400°C/2h on request

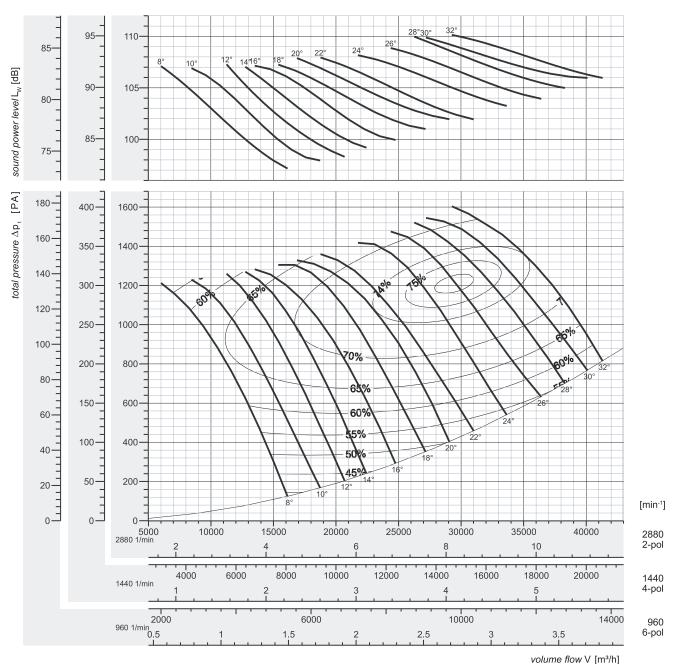
volume flow V [m³/h] [m³/s]

| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e freq | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,12 | 0,15 | 0,18 | 0,21 | 0,24 | 0,27 | 0,28 | 0,31 | 0,34 | 0,39 | 0,42 | 0,46 | 0,50 | -3 | -5 | -7 | -7 | -8 | -12 | 10 | -24 |
| motor | 0,37 | | | | | | | | | 0,55 | | | | -3 | -5 | -7 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 0,42 | 0,51 | 0,62 | 0,72 | 0,83 | 0,93 | 0,99 | 1,08 | 1,20 | 1,36 | 1,47 | 1,62 | 1,75 | -7 | -3 | -7 | -7 | -8 | -12 | -18 | 24 |
| motor | 0,55 | | 0,75 | | 1,1 | | | | 1,5 | | | 2,2 | | -/ | -3 | -7 | -7 | -0 | -12 | -10 | -24 |
| 2880 | 3,39 | 4,07 | 4,92 | 5,73 | 6,63 | 7,41 | 7,90 | 8,62 | 9,61 | 10,8 | 11,8 | 12,9 | 14,0 | -5 | -10 | 7 | -5 | -7 | -8 | -12 | -18 |
| motor | 4,0 | 5,5 | | 7,5 | | | 11,0 | | | | 15,0 | | | -5 | -10 | -7 | -5 | -7 | -0 | -12 | -10 |

AR 630-9



[m³/s]



smoke extract versions for 300°C/2h and 400°C/2h on request

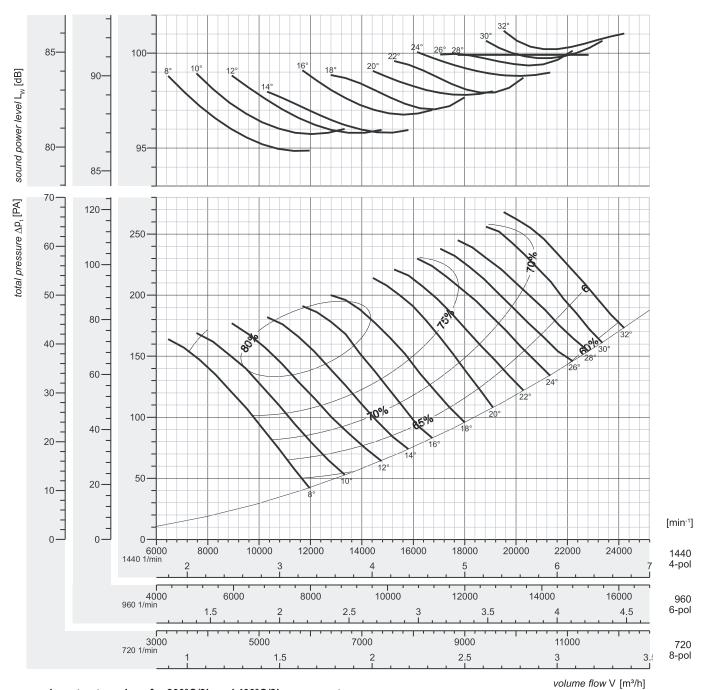
```
relative frequency spectrum ∆L in dB/Okt
        Peak absorbed power [kW]
                                       pitch angle [°]
                                                                                                 Octave b. midfr. [Hz]
 n
                                                                                            125 250 500 1k 2k 4k
[min<sup>-1</sup>]
                                            20
                                                                   28
                                                                               32
                                                                                                                          8k
          8
                10
                     12
                           14
                                 16
                                       18
                                                  22
                                                        24
                                                             26
                                                                         30
                                                                                       63
 960
         0,15
                                      0,33
                                           0,36
                                                 0,40
                                                       0,47
                                                            0,55 0,61
                                                                        0,64
              0,20
                    0,25
                          0,28 0,29
                                                                             0,71
                                                                                       -3
                                                                                             -5
                                                                                                 -7
                                                                                                      -7
                                                                                                               -12 -18 -24
                                                                                                            -8
         0,37
                                                 0,55
                                                                  0,75
motor
1440
         0,53 0,69
                    0,88
                          0,96 1,02
                                      1,15
                                           1,24
                                                 1,41
                                                       1,65 1,90
                                                                  2,11
                                                                        2,22
                                                                             2,47
                                                                                       -5
                                                                                            -6
                                                                                                 -5
                                                                                                      -6
                                                                                                           -7
                                                                                                                -10 -15 -21
motor
         0,55 0,75
                     1,1
                                      1,5
                                                       2,2
                                                                        3,0
2880
         4,24
               5,52
                    7,04
                          7,68 8,16 9,20 9,92
                                                 11,3
                                                       13,2
                                                            15,2
                                                                  16,9
                                                                        17,8
                                                                                           -10 -7
                                                                                       -5
                                                                                                      -5
                                                                                                           -7
                                                                                                                -8
                                                                                                                    -12 -18
                                                                               _*
                                                 15,0
                                                             18,5
         5,5
               7,5
                          11,0
motor
```

* nicht möglich / out of range

AR 710-3



[m³/s]

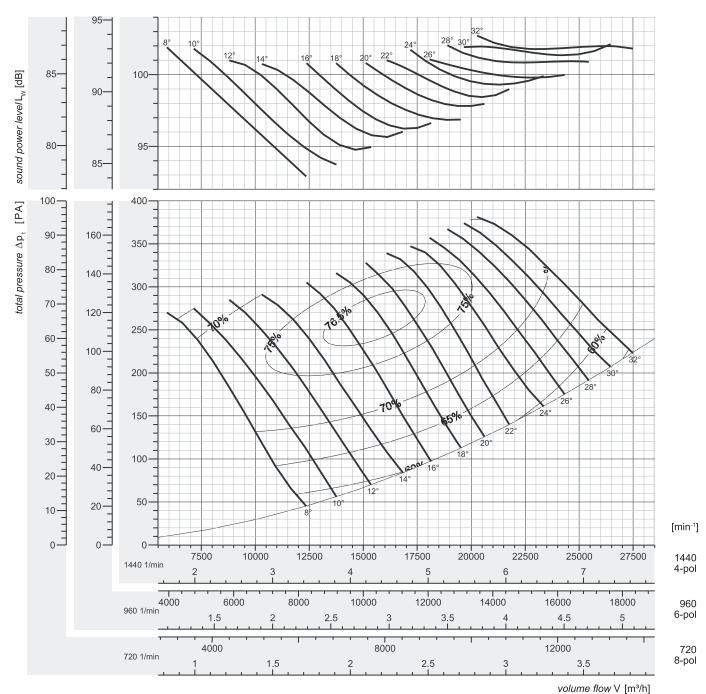


| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e frec | juenc | y spe | ctrun | n∆Li | <u>n dB/</u> | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|-------|-------|-------|---------|--------------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | ː] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,12 | 0,14 | 0,16 | 0,20 | 0,23 | 0,26 | 0,32 | 0,35 | 0,40 | 0,44 | 0,48 | 0,54 | 0,61 | 5 | 7 | -7 | 0 | -12 | 10 | 24 | -30 |
| motor | 0,37 | | | | | | | | 0,55 | | | | 0,75 | -5 | -7 | -7 | -0 | -12 | -10 | -24 | -30 |
| 1440 | 0,42 | 0,49 | 0,57 | 0,68 | 0,80 | 0,91 | 1,11 | 1,23 | 1,38 | 1,54 | 1,66 | 1,89 | 2,12 | 4 | 7 | 7 | -7 | 10 | 15 | 01 | -27 |
| motor | 0,55 | | 0,75 | | 1,1 | | 1,5 | | | 2,2 | | | | -4 | -7 | -7 | -7 | -10 | -15 | -21 | -21 |

AR 710-6

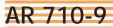


. [m³/s]



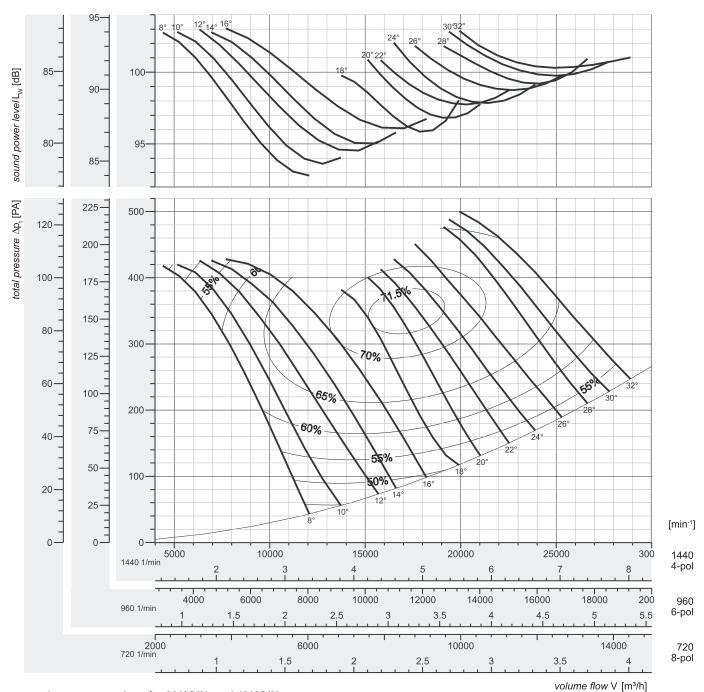
smoke extract versions for 300°C/2h and 400°C/2h on request

Peak absorbed power [kW] relative frequency spectrum ΔL in dB/Okt pitch angle [°] Octave b. midfr. [Hz] n 20 125 250 500 1k 2k 8k [min⁻¹] 8 10 12 14 16 18 22 24 26 28 30 32 63 4k 960 0,20 0,24 0,30 0,35 0,43 0,50 0,56 0,60 0,66 0,71 0,78 0,84 0,89 -15 -21 -27 -6 -5 -6 -7 -10 0,55 0,37 0,75 1,1 motor 1440 0,71 0,84 1,03 1,21 1,50 1,73 1,94 2,10 2,30 2,49 2,71 2,92 3,10 -7 -3 -7 -7 -8 -12 -18 -24 motor 0,75 1,1 1,5 2,2 3,0 4,0





[m³/s]

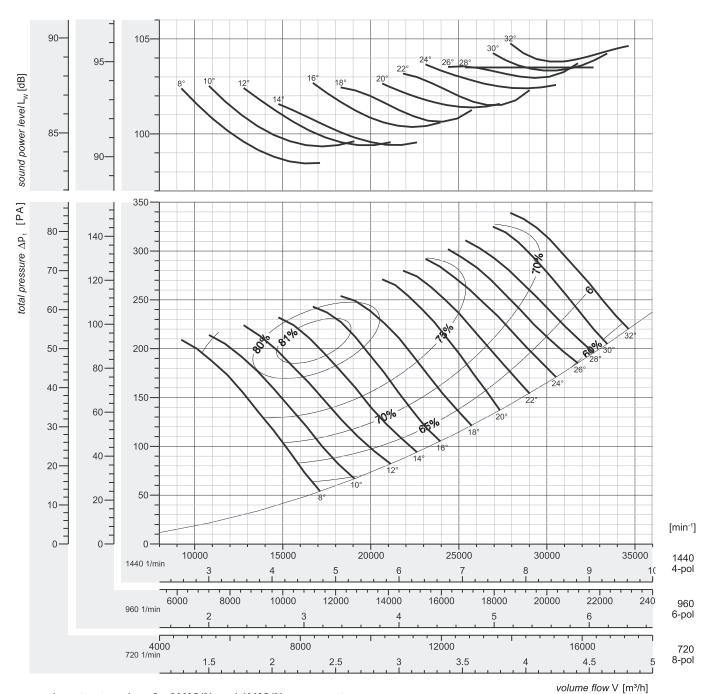


| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e frec | juenc | y spe | ctrun | n ∆L i | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|-------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz |] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,34 | 0,38 | 0,45 | 0,48 | 0,53 | 0,62 | 0,71 | 0,78 | 0,84 | 0,96 | 1,13 | 1,19 | 1,28 | -10 | -7 | F | -7 | 0 | 10 | 10 | 24 |
| motor | 0,37 | 0,55 | | | | 0,75 | | 1,1 | | | 1,5 | | | -10 | -7 | -5 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 1,19 | 1,34 | 1,55 | 1,68 | 1,86 | 2,17 | 2,48 | 2,70 | 2,93 | 3,35 | 3,95 | 4,16 | 4,46 | Б | -6 | -5 | 6 | 7 | -10 | Б | -21 |
| motor | 1,5 | | 2,2 | | | | 3,0 | | | 4,0 | | 5,5 | | -5 | -0 | -5 | -0 | -7 | -10 | -5 | -21 |

AR 800-3



[m³/s]

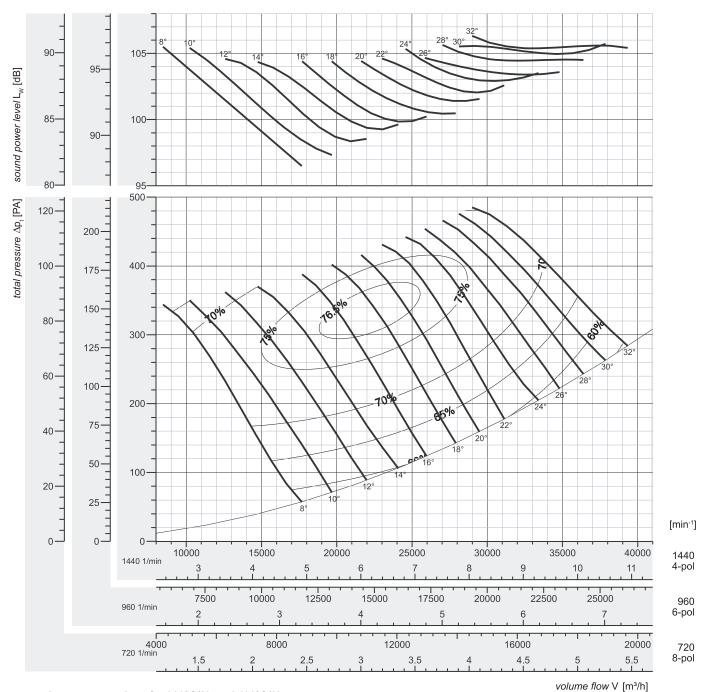


| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e frec | luenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|--------|--------|------|------|------|------|------|---------|--------|-------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h angl | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,22 | 0,25 | 0,30 | 0,36 | 0,42 | 0,47 | 0,58 | 0,64 | 0,72 | 0,80 | 0,88 | 0,99 | 1,11 | - | 7 | 7 | -8 | 10 | 10 | 24 | -30 |
| motor | 0,55 | | | | | | 0,75 | | | 1,1 | | | | -5 | -7 | -7 | -0 | -12 | -10 | -24 | -30 |
| 1440 | 0,77 | 0,88 | 1,04 | 1,24 | 1,45 | 1,65 | 2,02 | 2,24 | 2,51 | 2,79 | 3,05 | 3,43 | 3,86 | | 7 | 7 | 7 | 10 | 15 | -21 | 27 |
| motor | 1,1 | | | 1,5 | | 2,2 | | 3,0 | | | 4,0 | | | -4 | -7 | -7 | -7 | -10 | -15 | -21 | -21 |

AR 800-6



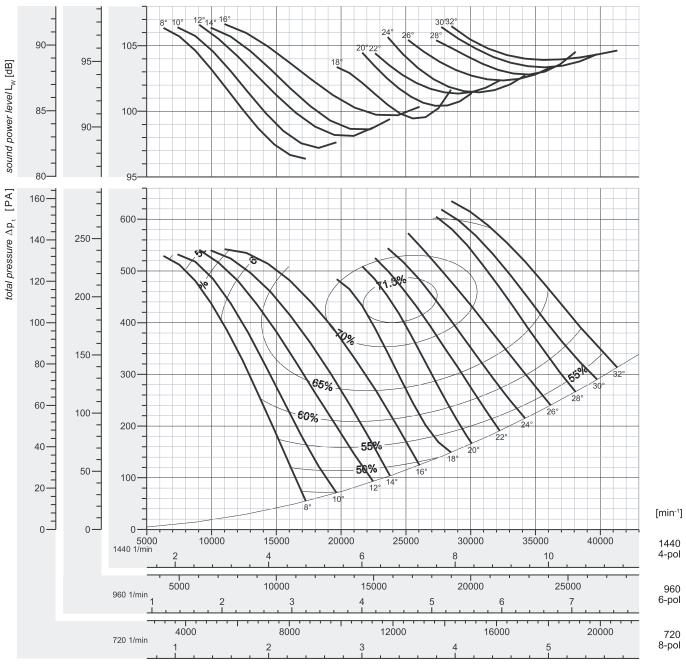
[m³/s]



| | Peak a | bsorb | ed po | wer [k\ | W] | | | | | | | | | relativ | e frec | quenc | y spe | ctrun | n∆Li | <u>n dB/</u> | Okt |
|----------------------|--------|-------|-------|---------|------|------|-------|--------|------|------|------|------|------|---------|--------|-------|-------|-------|---------|--------------|-----|
| n | | | | | | pito | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,37 | 0,44 | 0,54 | 0,63 | 0,78 | 0,90 | 1,01 | 1,09 | 1,20 | 1,30 | 1,41 | 1,52 | 1,61 | 6 | 5 | 6 | -7 | 10 | 15 | 01 | -27 |
| motor | 0,55 | | | 0,75 | 1,1 | | | | 1,5 | | | 2,2 | | -0 | -5 | -0 | -7 | -10 | -15 | -21 | -21 |
| 1440 | 1,29 | 1,53 | 1,88 | 2,20 | 2,73 | 3,13 | 3,52 | 3,81 | 4,19 | 4,52 | 4,91 | 5,31 | 5,62 | 7 | 2 | -7 | -7 | 0 | -12 | -18 | -24 |
| motor | 1,5 | 2,2 | | | 3,0 | 4,0 | | | 5,5 | | | | 7,5 | -/ | -3 | -7 | -7 | -0 | -12 | -10 | -24 |

AR 800-9





smoke extract versions for 300°C/2h and 400°C/2h on request

volume flow V [m³/h] [m³/s]

| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e freq | uenc | y spe | ctrun | n ∆L i | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|--------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b. | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,62 | 0,70 | 0,81 | 0,88 | 0,97 | 1,13 | 1,29 | 1,41 | 1,52 | 1,75 | 2,06 | 2,17 | 2,32 | -10 | -7 | F | -7 | 0 | -12 | -18 | -24 |
| motor | 0,75 | | 1,1 | | | 1,5 | | | 2,2 | | | | 3,0 | -10 | -7 | -5 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 2,16 | 2,44 | 2,81 | 3,05 | 3,37 | 3,95 | 4,51 | 4,91 | 5,31 | 6,08 | 7,18 | 7,56 | 8,09 | - | 0 | F | 0 | -7 | 10 | -15 | 04 |
| motor | 2,2 | 3,0 | | 4,0 | | | 5,5 | | | 7,5 | | 11,0 | | -5 | -0 | -5 | -0 | -7 | -10 | -15 | -21 |

AR 900-5

2,2

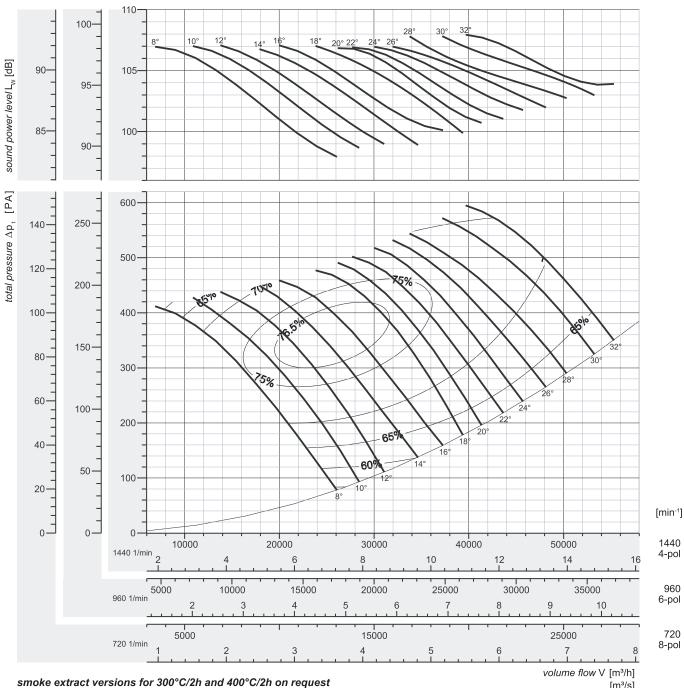
motor

3,0

4,0

5,5





[m³/s]

2k 4k

-8

-10 -7

11,0

-5 -7 -15 -21

-12 -18

8k

-27

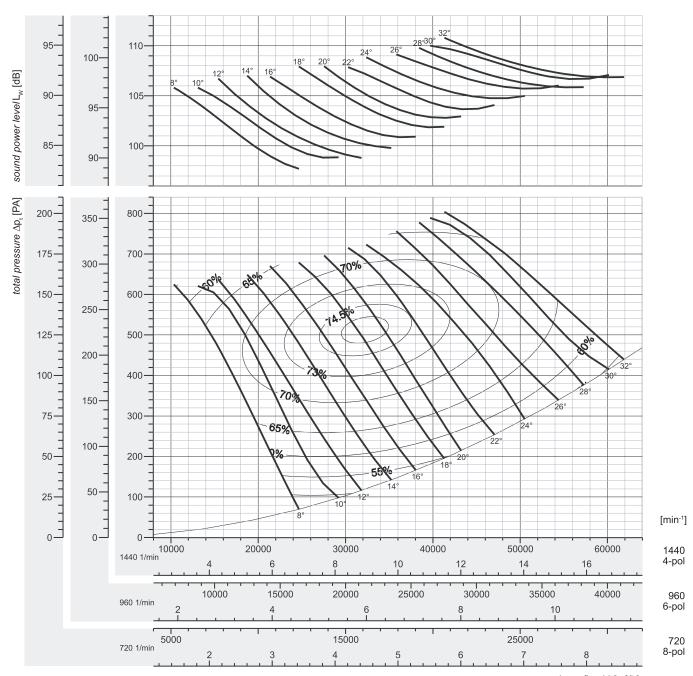
-24

Peak absorbed power [kW] relative frequency spectrum ∆L in dB/Okt n pitch angle [°] Octave b. midfr. [Hz] 30 32 125 250 500 1k [min⁻¹] 8 10 12 14 16 18 20 22 24 26 28 63 1,93 2,49 960 0,52 0,63 0,79 0,95 1,08 1,30 1,44 1,59 1,76 2,09 2,81 -6 -5 -6 -7 -10 0,55 0,75 1,1 1,5 2,2 3,0 motor 1440 2,20 4,54 5,01 5,52 6,13 6,73 7,28 8,68 1,82 2,76 3,30 3,76 9,80

7,5

AR 900-10





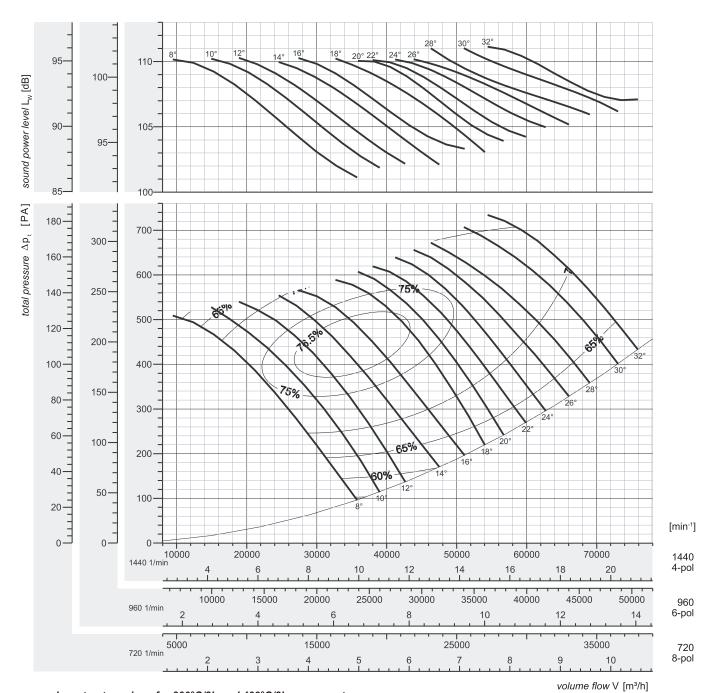
volume flow V [m³/h] [m³/s]

| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e frec | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | z] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,95 | 1,13 | 1,30 | 1,59 | 1,83 | 2,08 | 2,35 | 2,65 | 2,89 | 3,32 | 3,78 | 3,96 | 4,21 | -10 | -7 | -5 | -7 | 0 | -12 | 10 | -24 |
| motor | 1,1 | 1,5 | | 2,2 | | | 3,0 | | | 4,0 | | | 5,5 | -10 | -7 | -5 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 3,30 | 3,94 | 4,54 | 5,54 | 6,39 | 7,26 | 8,19 | 9,24 | 10,1 | 11,6 | 13,2 | 13,8 | 14,7 | -10 | -12 | 6 | -5 | 7 | 10 | 15 | 04 |
| motor | 4,0 | | 5,5 | | 7,5 | | 11,0 | | | 15,0 | | | | -10 | -12 | -0 | -5 | -7 | -10 | -15 | -21 |

AR 1000-5



[m³/s]

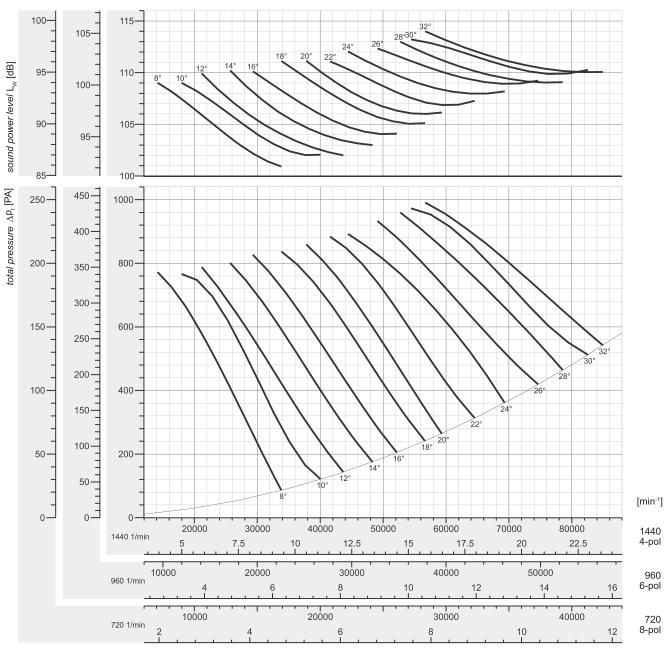


smoke extract versions for 300°C/2h and 400°C/2h on request

| | Peak a | bsorb | ed po | wer [k | w] | | | | | | | | | relativ | e frec | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|--------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h angl | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | ː] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 0,89 | 1,07 | 1,34 | 1,60 | 1,83 | 2,21 | 2,43 | 2,69 | 2,98 | 3,27 | 3,54 | 4,22 | 4,77 | -6 | -5 | -6 | -7 | 10 | -15 | 01 | -27 |
| motor | 1,1 | | 1,5 | 2,2 | | 3,0 | | | | 4,0 | | 5,5 | | -0 | -5 | -0 | -7 | -10 | -15 | -21 | -21 |
| 1440 | 3,09 | 3,73 | 4,68 | 5,59 | 6,37 | 7,69 | 8,48 | 9,35 | 10,4 | 11,4 | 12,3 | 14,7 | 16,6 | -10 | -7 | -5 | -7 | -8 | -12 | -18 | -24 |
| motor | 4,0 | | 5,5 | 7,5 | | 11,0 | | | | 15,0 | | | 18,5 | -10 | -7 | -5 | -/ | -0 | -12 | -10 | -24 |

AR1000-10





smoke extract versions for 300°C/2h and 400°C/2h on request

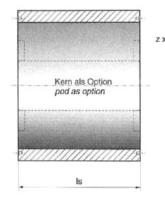


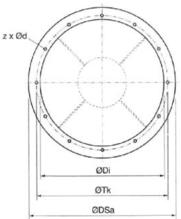
| | Peak a | bsorb | ed po | wer [k | W] | | | | | | | | | relativ | e freq | uenc | y spe | ctrun | n∆Li | n dB/ | Okt |
|----------------------|--------|-------|-------|--------|------|------|-------|--------|------|------|------|------|------|---------|--------|------|-------|-------|---------|-------|-----|
| n | | | | | | pitc | h ang | le [°] | | | | | | | | Oct | ave b | . mid | fr. [Hz | :] | |
| [min ⁻¹] | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 960 | 1,60 | 1,92 | 2,21 | 2,69 | 3,11 | 3,53 | 3,98 | 4,78 | 4,90 | 5,62 | 6,41 | 6,78 | 7,12 | -10 | -7 | F | -7 | 0 | 10 | 10 | -24 |
| motor | 2,2 | | 3,0 | | 4,0 | | | 5,5 | | 7,5 | | | | -10 | -7 | -5 | -7 | -0 | -12 | -10 | -24 |
| 1440 | 5,58 | 6,67 | 7,69 | 9,37 | 10,8 | 12,3 | 13,9 | 16,7 | 17,1 | 19,6 | 22,3 | 23,6 | 24,8 | -10 | 10 | 6 | -5 | 7 | 10 | -15 | 01 |
| motor | 7,5 | | 11,0 | | | 15,0 | | 18,5 | | 22,0 | | 30* | | -10 | -12 | -0 | -5 | -7 | -10 | -15 | -21 |

* Motor ragt aus Ventilator-Gehäuse / motor protudes the fan housing

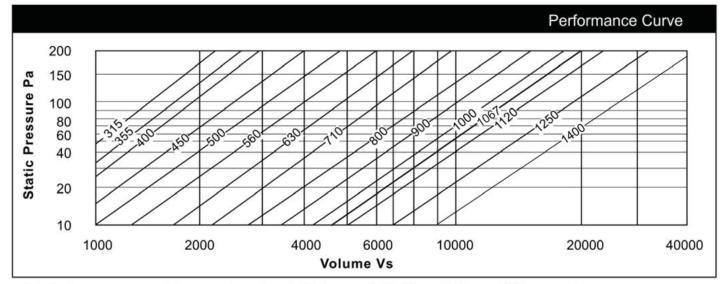
Silencer







| | Disa | D | Τk | ld | 7 1 | | | Max | k kg | |
|------|-------|------|------|------|------|---------|------|------|------|-----|
| Size | рва | U | 15 | Iu | ΖX | | LP | LP | HP | ΗP |
| | mm | mm | mm | 1D | 2D | mm | 1D | 2D | 1D | 2D |
| 3154 | 65 | 3153 | 55 | 3156 | 30 | 8 x 81 | 01 | 82 | 02 | 9 |
| 3555 | 00 | 3553 | 95 | 3557 | 10 | 8 x 81 | 21 | 92 | 23 | 0 |
| 4005 | 50 | 4004 | 40 | 4008 | 00 | 12 x 81 | 32 | 02 | 33 | 1 |
| 4506 | 00 | 4504 | 90 | 4509 | 00 | 12 x 81 | 82 | 62 | 93 | 7 |
| 5006 | 50 | 5005 | 40 | 500 | 1000 | 12 x 82 | 33 | 23 | 54 | 3 |
| 5607 | 10 | 5606 | 05 | 560 | 1120 | 16 x 82 | 53 | 94 | 35 | 5 |
| 6307 | 80 | 6306 | 75 | 630 | 1260 | 16 x 83 | 24 | 35 | 26 | 4 |
| 7108 | 60 | 7107 | 55 | 710 | 1420 | 16 x 83 | 94 | 86 | 37 | 8 |
| 800 | 10008 | 00 | 8458 | 00 | 1600 | 16 x 85 | 06 | 17 | 99 | 9 |
| 900 | 11009 | 00 | 9459 | 00 | 1800 | 16 x 10 | 74 | 87 | 130 | 157 |
| 1000 | 1200 | 1000 | 1050 | 1000 | 2000 | 16 x 10 | 91 | 1071 | 61 | 193 |
| 1067 | 1267 | 1067 | 1135 | 1067 | 2134 | 16 x 10 | 1011 | 31 | 185 | 252 |
| 1250 | 1450 | 1250 | 1315 | 1250 | 2500 | 24 x 10 | 1261 | 63 | 231 | 315 |
| 1400 | 1650 | 1400 | 1470 | 1400 | 2800 | 24 x 14 | 1501 | 94 | 285 | 385 |



*Note: Performance curves relate to pressure losses through HP silencers only. The LP models have negligible pressure loss.

| Model | Turne | | | | Insertion I | Loss at Hz | | | |
|-----------------------------|----------------|----|-----|------|-------------|------------|----|----|----|
| Model | Туре | 63 | 125 | 2505 | 00 | 1K | 2K | 4K | 8K |
| LP 315/355/400/450/500/5601 | D1 | | 47 | | 10 | 14 | 11 | 88 | |
| HP 315/355/400/450/500/560 | 1D (Kern/Pod)4 | | 69 | | 13 | 19 | 19 | 16 | 14 |
| LP 315/355/400/450/500/5602 | D4 | | 81 | 21 | 72 | 31 | 71 | 31 | 2 |
| HP 315/355/400/450/500/560 | 2D (Kern/Pod)7 | | 11 | 15 | 24 | 28 | 28 | 26 | 22 |
| LP 630/710/800/900 | 1D | 35 | | 91 | 41 | 49 | | 87 | |
| HP 630/710/800/900 | 1D (Kern/Pod)4 | | 61 | 01 | 72 | 32 | 11 | 91 | 1 |
| LP 630/710/800/900 | 2D | 68 | | 14 | 23 | 24 | 14 | 13 | 10 |
| HP 630/710/800/900 | 2D (Kern/Pod)7 | | 11 | 16 | 29 | 34 | 32 | 30 | 19 |
| LP 1000/1067/1250 | 1D | 35 | | 10 | 14 | 13 | 87 | | 7 |
| HP 1000/1067/1250 | 1D (Kern/Pod)4 | | 61 | 22 | 01 | 91 | 51 | 41 | 2 |
| LP 1000/1067/1250 | 2D | 69 | | 14 | 21 | 20 | 13 | 11 | 10 |
| HP 1000/1067/1250 | 2D (Kern/Pod)7 | | 12 | 19 | 29 | 28 | 26 | 22 | 17 |
| HP 1400/1067/1250 | 1D (Kern/Pod)4 | | 71 | 42 | 42 | 01 | 38 | | 6 |



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