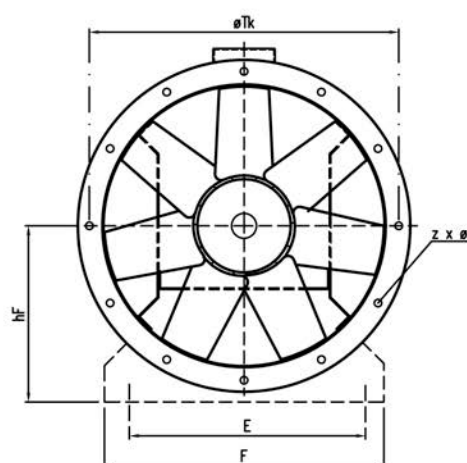
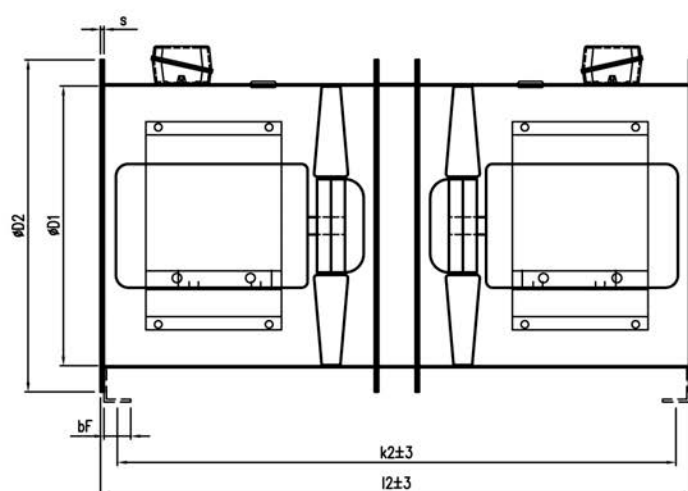


## DESCRIPTION

With just two counter-rotating, in-series axial flow fans, static pressure up to nearly 3500Pa can be achieved. The multi-stage unit consists of two counter-rotating single-stages in series with left-hand and right-hand impellers, without guide vane. The spin of the first stage is transformed into an additional static pressure by the following stage. This way system produces an excellent airstream profile and 2.7 to 3 times the pressure of a single-stage version. Each stage has its own separate motor. When adequately selected, the second stage still produces 65% of the air volume, if one stage fails or is switched off, while consuming only 40% of the energy. The impellers, hubs and blades are made of cast aluminium alloy, the aerodynamical profile guarantees high efficiency and low noise. The blades are with adjustable pitch angle to optimise the point of duty. Different solidities are available for a wider range of performance. All presented data accords to 50Hz supply.

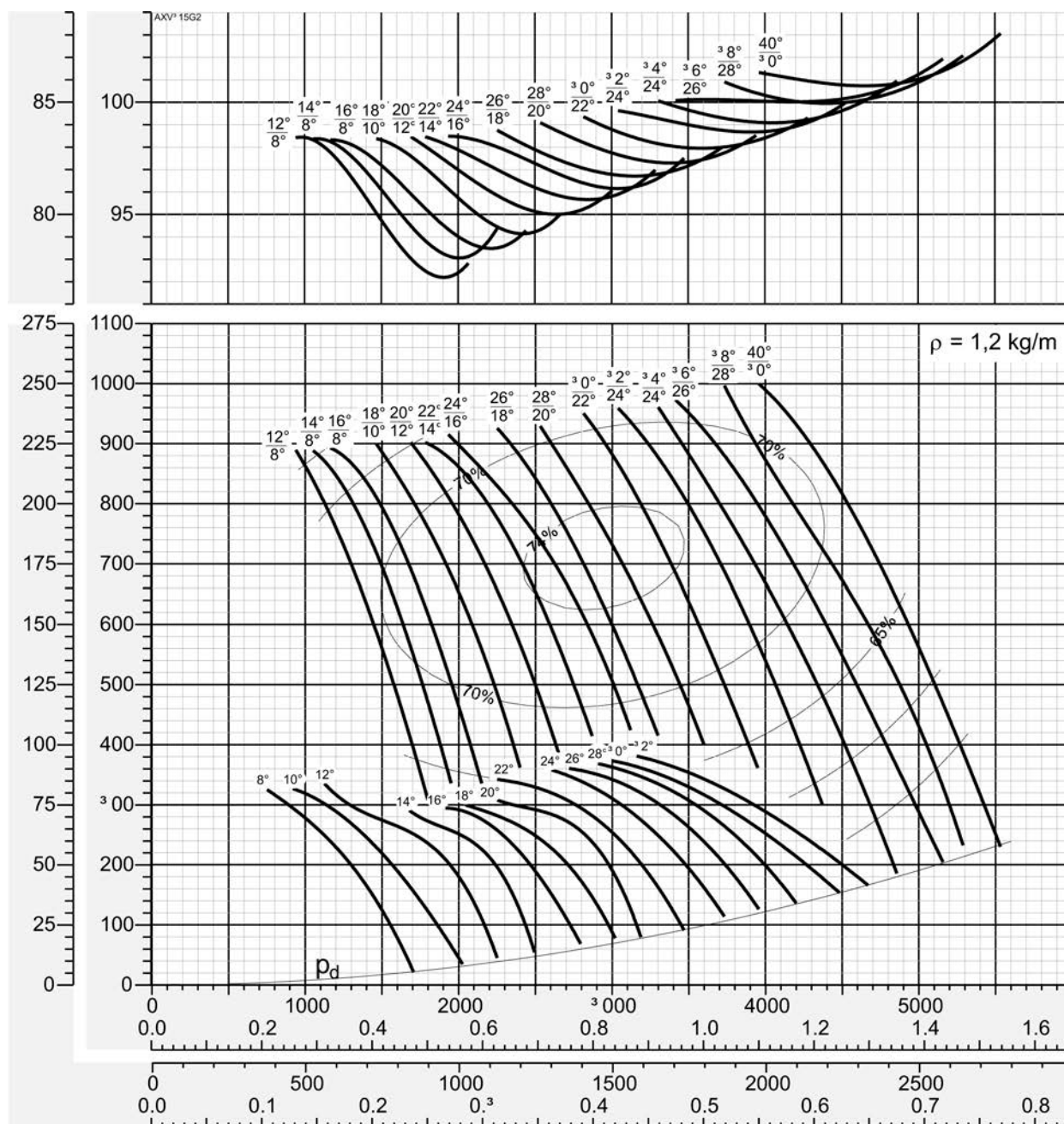
## DIMENSIONS

| Size | Dimensions [mm] |      |     |       |      |      |      |     |      |      |     | Motor max. |
|------|-----------------|------|-----|-------|------|------|------|-----|------|------|-----|------------|
|      | ØD2             | ØD1  | hF  | zxØd  | ØTk  | E    | F    | bF  | k2   | l2   | s   |            |
| 315  | 398             | 320  | 205 | 8x12  | 366  | 265  | 315  | 60  | 1001 | 1065 | 2   | 80         |
| 355  | 438             | 359  | 225 | 8x12  | 405  | 305  | 355  | 60  | 1001 | 1065 | 2   | 80         |
| 400  | 484             | 401  | 250 | 12x12 | 448  | 350  | 400  | 60  | 1031 | 1095 | 2   | 90         |
| 450  | 534             | 450  | 280 | 12x12 | 497  | 400  | 450  | 60  | 1031 | 1095 | 2   | 112        |
| 500  | 584             | 504  | 315 | 12x12 | 551  | 440  | 500  | 70  | 1091 | 1165 | 2   | 112        |
| 560  | 664             | 565  | 345 | 16x14 | 629  | 500  | 560  | 70  | 1624 | 1700 | 3   | 160        |
| 630  | 734             | 634  | 400 | 16x14 | 698  | 570  | 630  | 70  | 1624 | 1700 | 3   | 160        |
| 710  | 814             | 711  | 450 | 16x14 | 775  | 650  | 710  | 70  | 1355 | 1430 | 2.5 | 132        |
| 800  | 904             | 797  | 500 | 12x14 | 861  | 730  | 800  | 80  | 1614 | 1700 | 3   | 160        |
| 900  | 1004            | 894  | 580 | 12x14 | 958  | 830  | 900  | 80  | 1612 | 1700 | 4   | 160        |
| 1000 | 1105            | 1003 | 630 | 12x14 | 1067 | 930  | 990  | 80  | 1822 | 1610 | 4   | 180        |
| 1120 | 1245            | 1125 | 690 | 16x18 | 1200 | 1050 | 1110 | 100 | 2242 | 2350 | 4   | 200        |
| 1250 | 1370            | 1250 | 750 | 16x18 | 1337 | 1180 | 1240 | 100 | 2242 | 2350 | 4   | 225        |



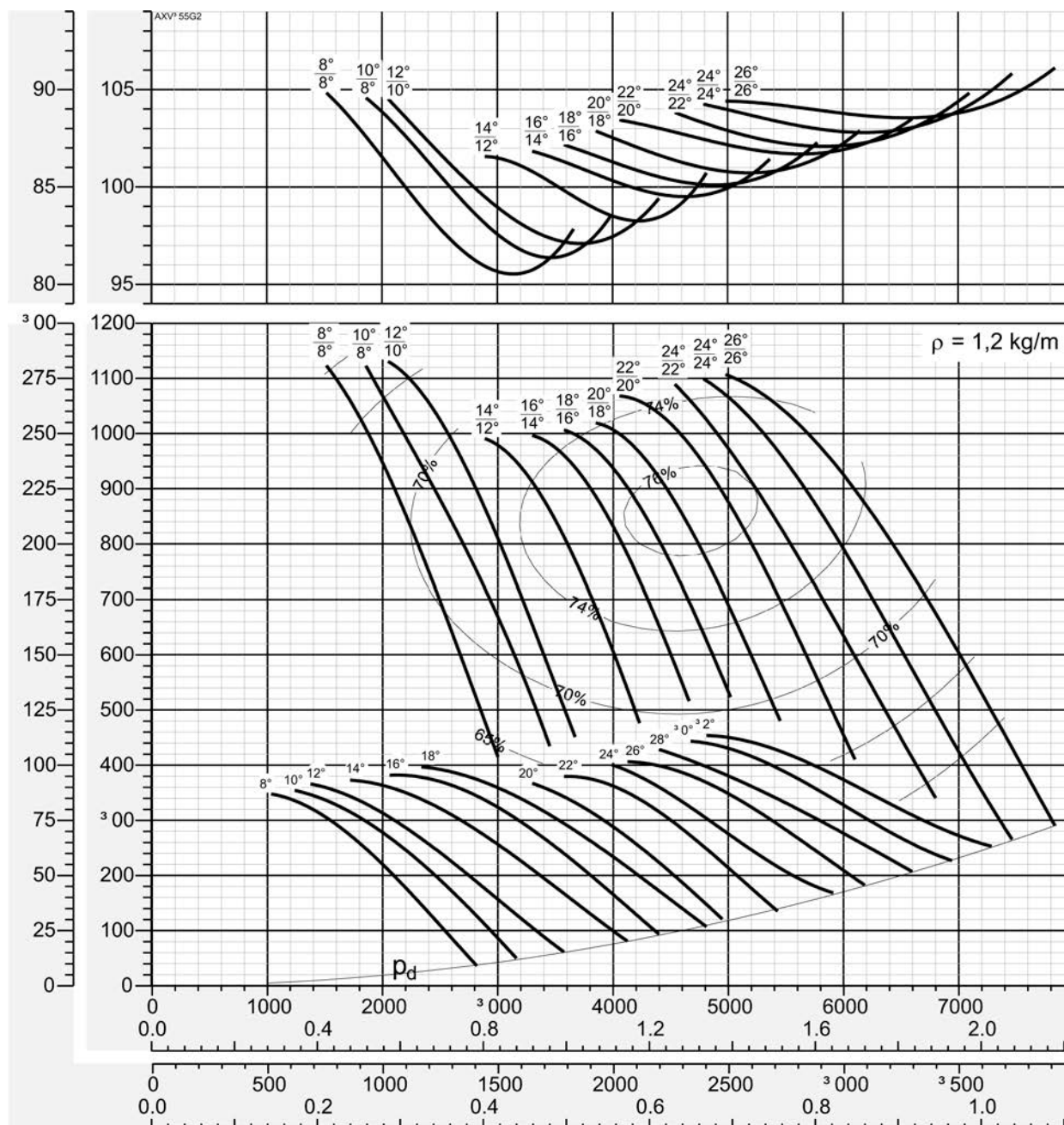
## TECHNICAL SPECIFICATION

### AXG 315-07; 50Hz



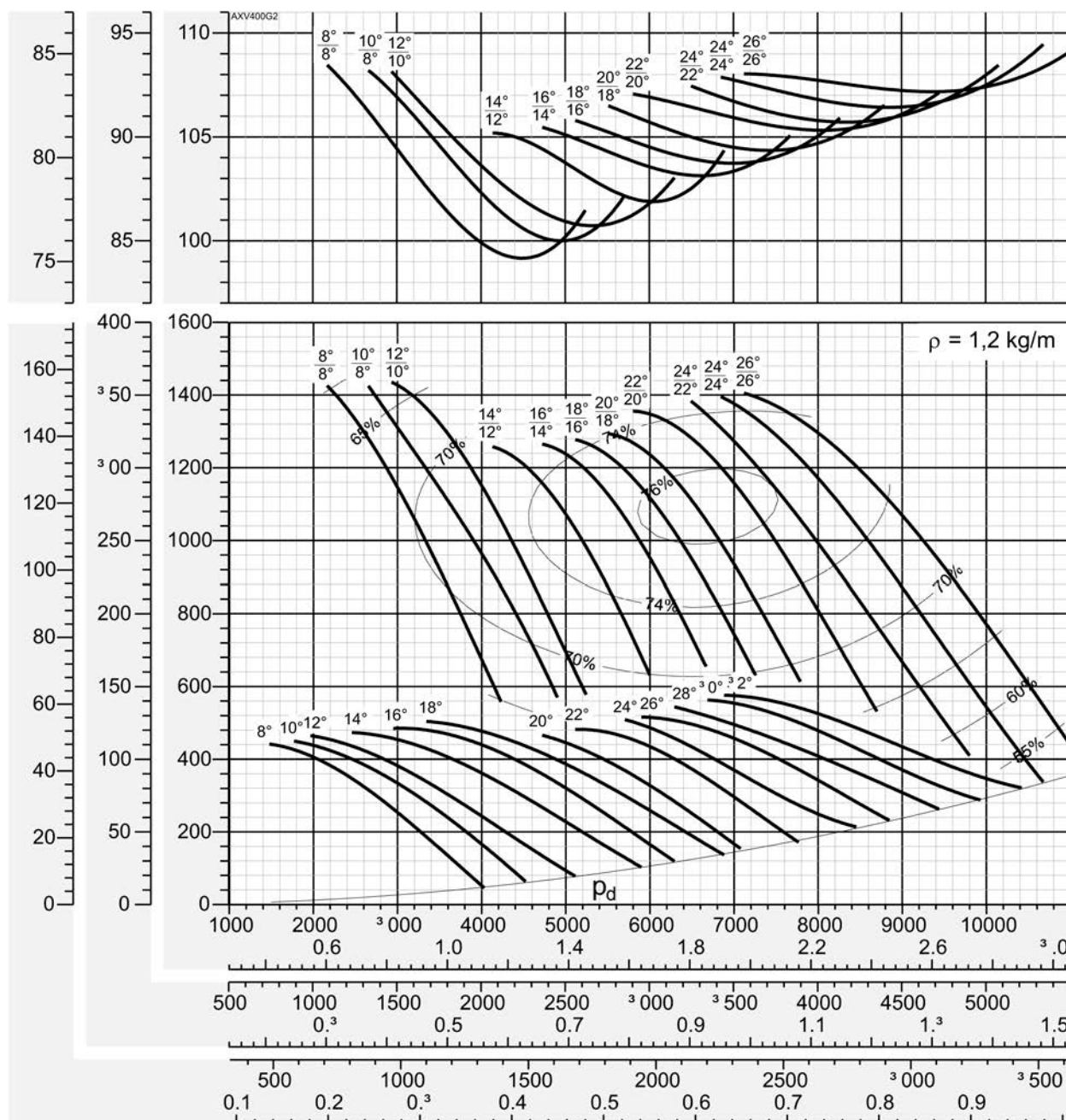
### Relative frequency spectrum $L_{WArel}$ in $\Delta\text{dB/Okt}$

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 2880                   | -5                   | -10 | -7  | -5  | -7 | -8  | -12 | -18 |

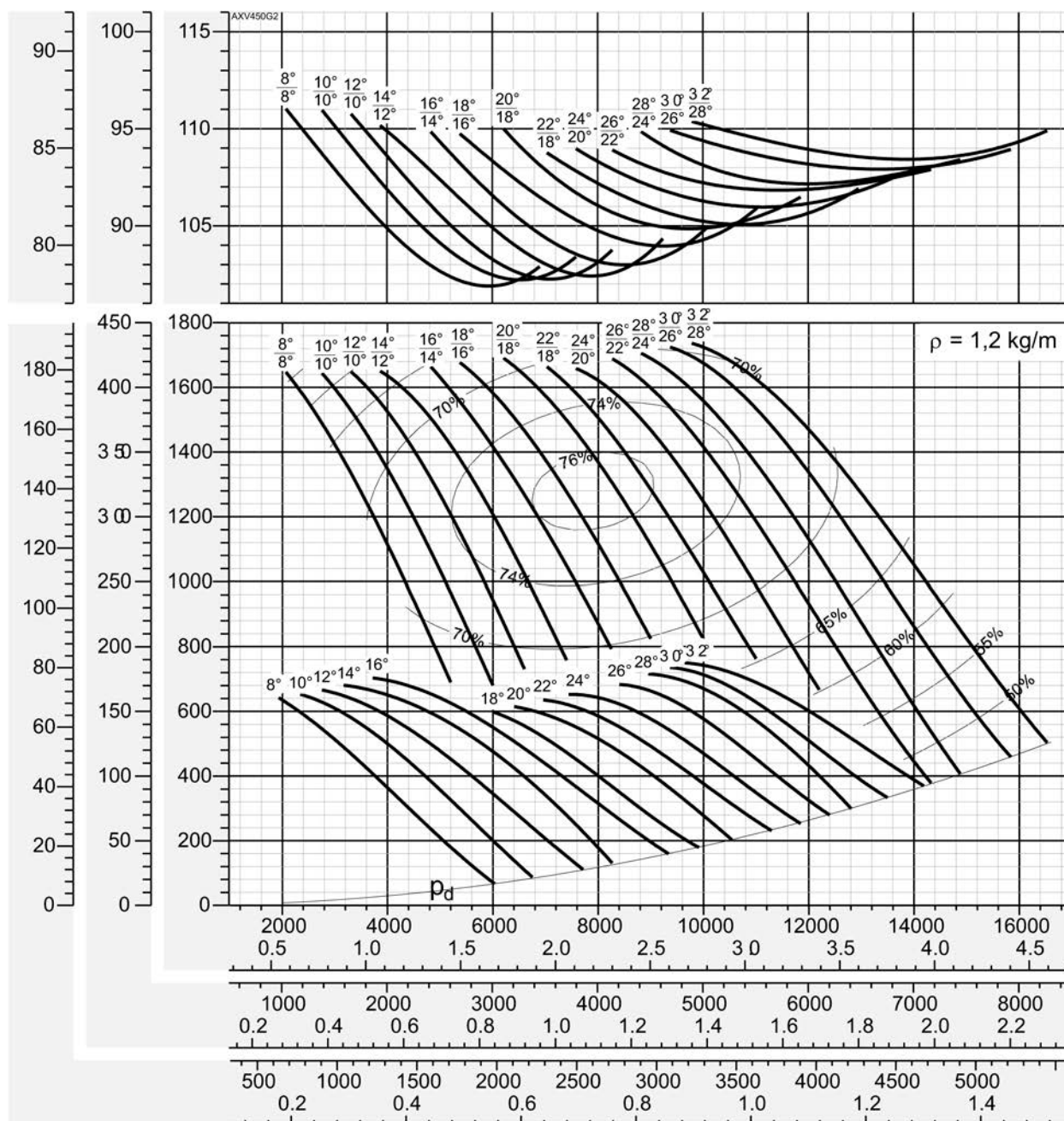
**AXG 355-07; 50Hz**

**Relative frequency spectrum  $L_{W\text{rel}}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 2880                   | -5                   | -10 | -7  | -5  | -7 | -8  | -12 | -18 |



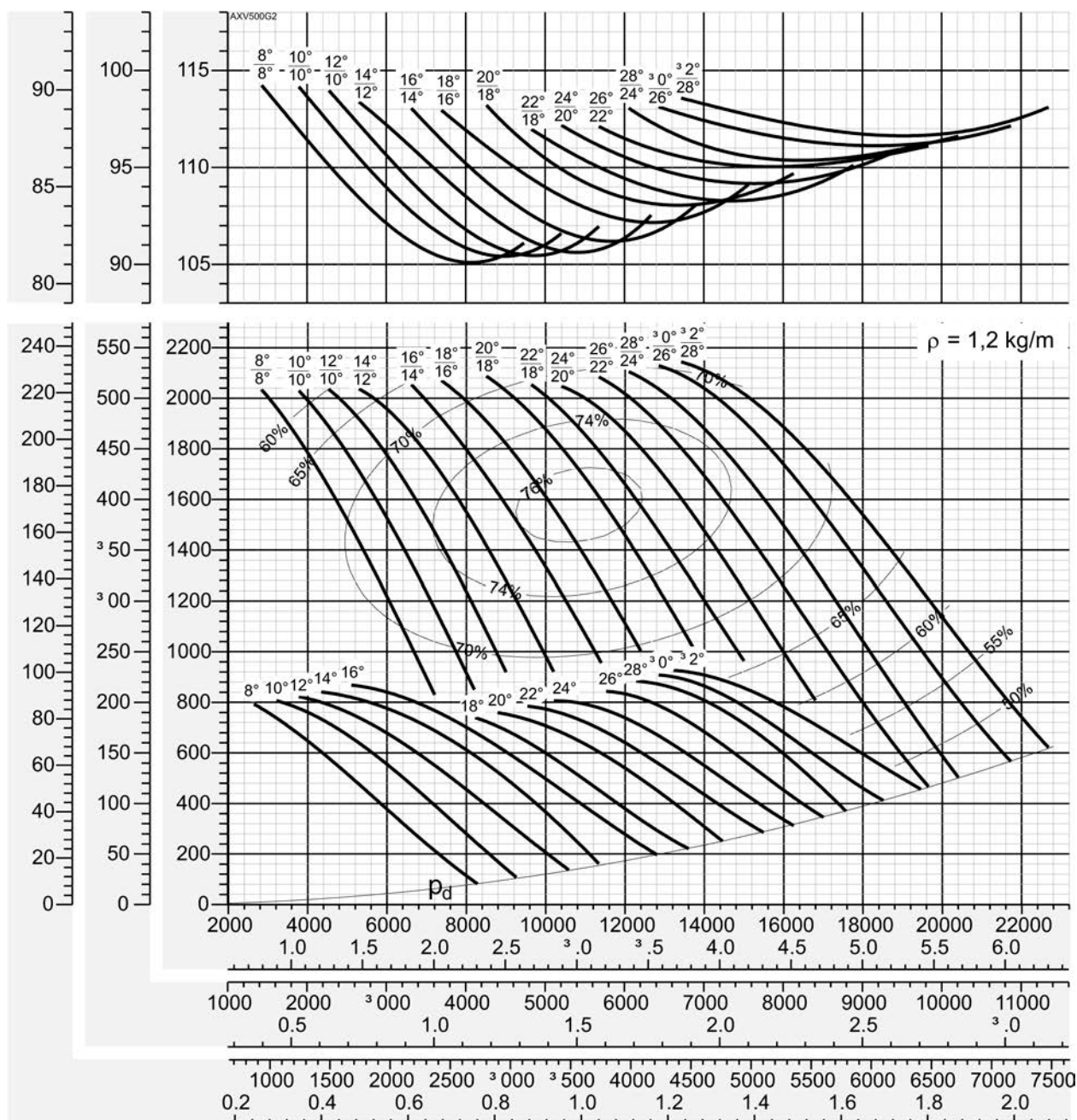
**AXG 400-07; 50Hz**

**Relative frequency spectrum  $L_{W\text{rel}}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 2880                   | -5                   | -10 | -7  | -5  | -7 | -8  | -12 | -18 |

**AXG 450-07; 50Hz**

**Relative frequency spectrum  $L_{WArel}$  in  $\Delta dB/Okt$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -3                   | -5  | -7  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 2880                   | -5                   | -10 | -7  | -5  | -7 | -8  | -12 | -18 |

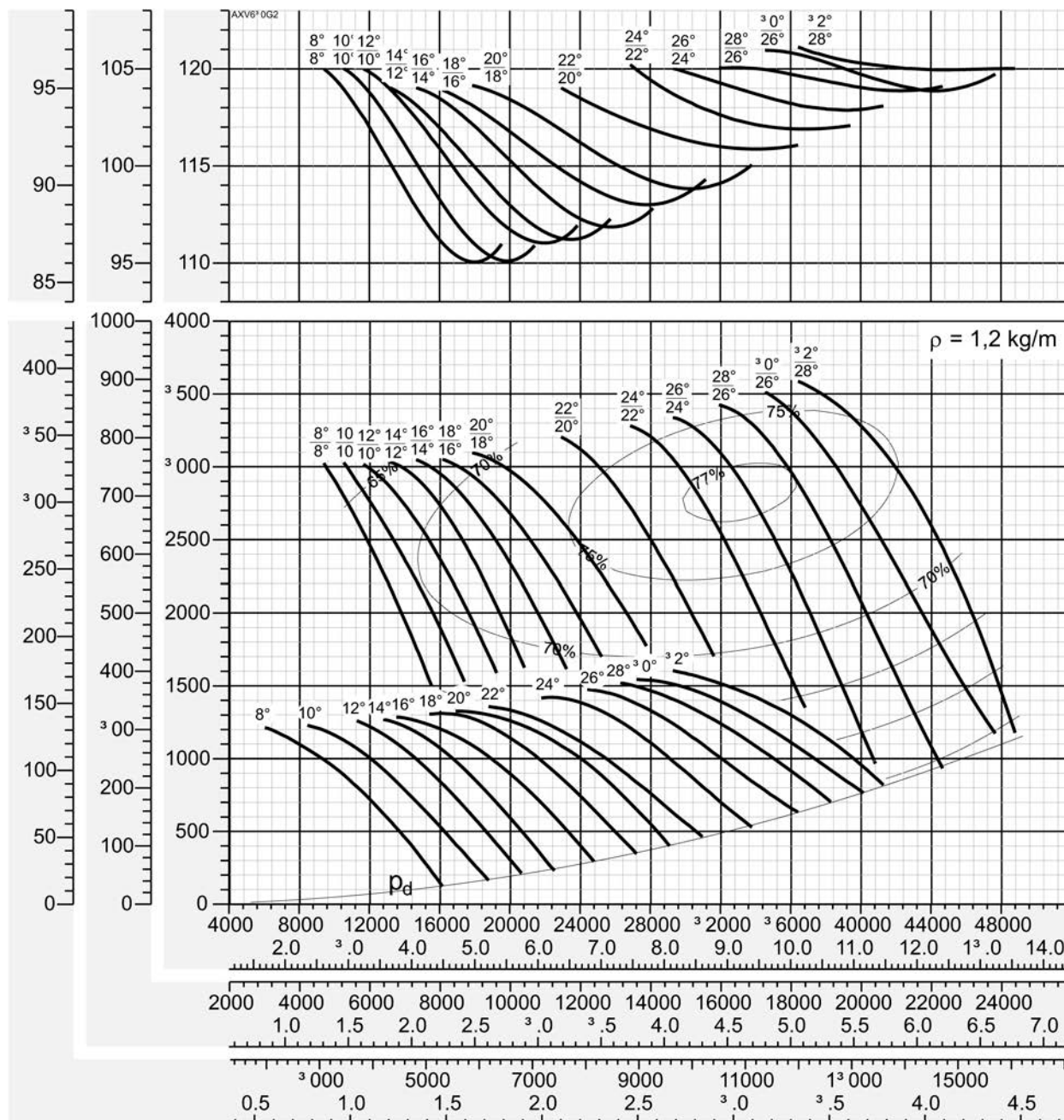


**AXG 500-07; 50Hz**

**Relative frequency spectrum  $L_{W\text{rel}}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -3                   | -5  | -7  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 2880                   | -5                   | -10 | -7  | -5  | -7 | -8  | -12 | -18 |

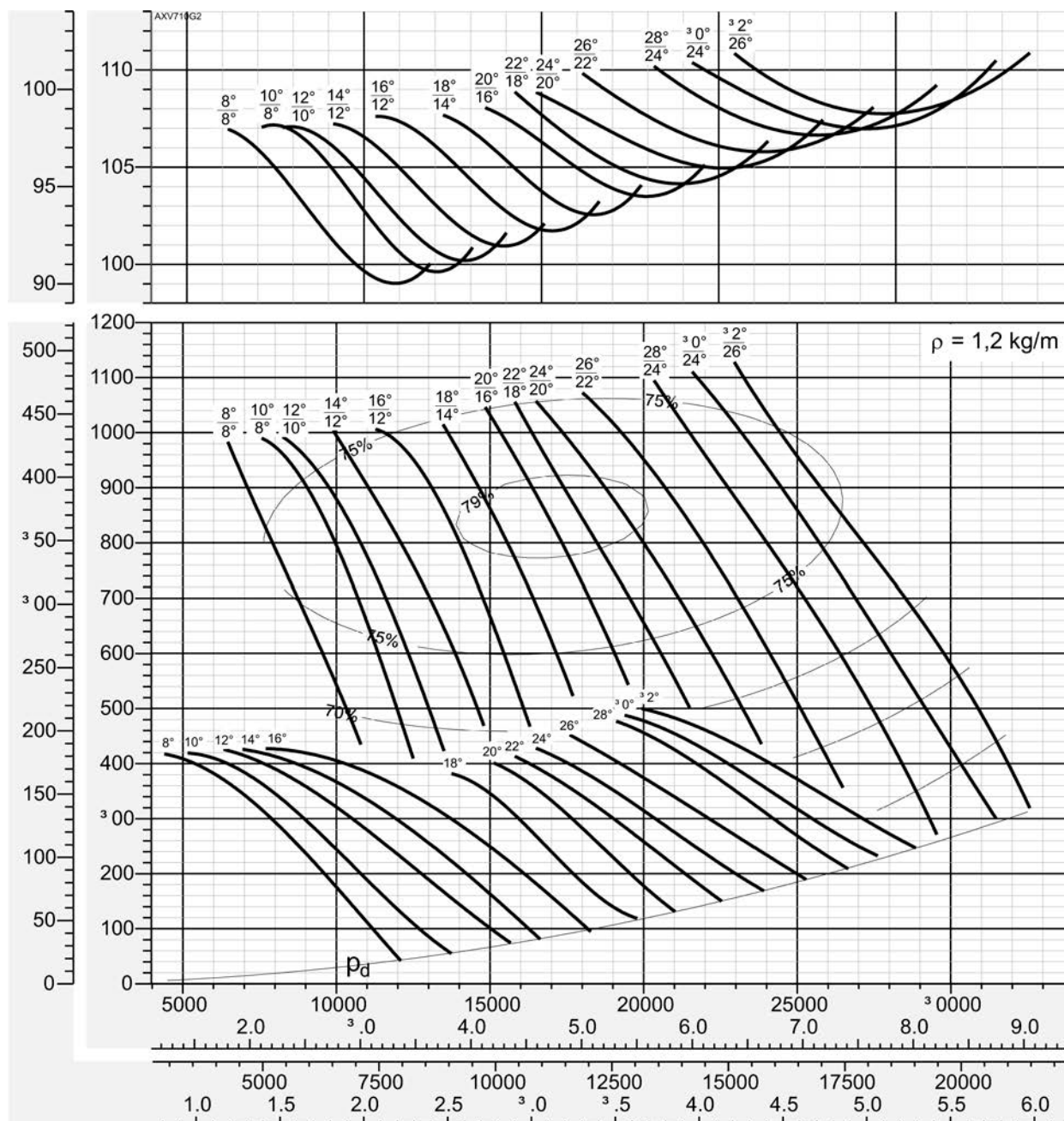
| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -3                   | -5  | -7  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 2880                   | -5                   | -10 | -7  | -5  | -7 | -8  | -12 | -18 |



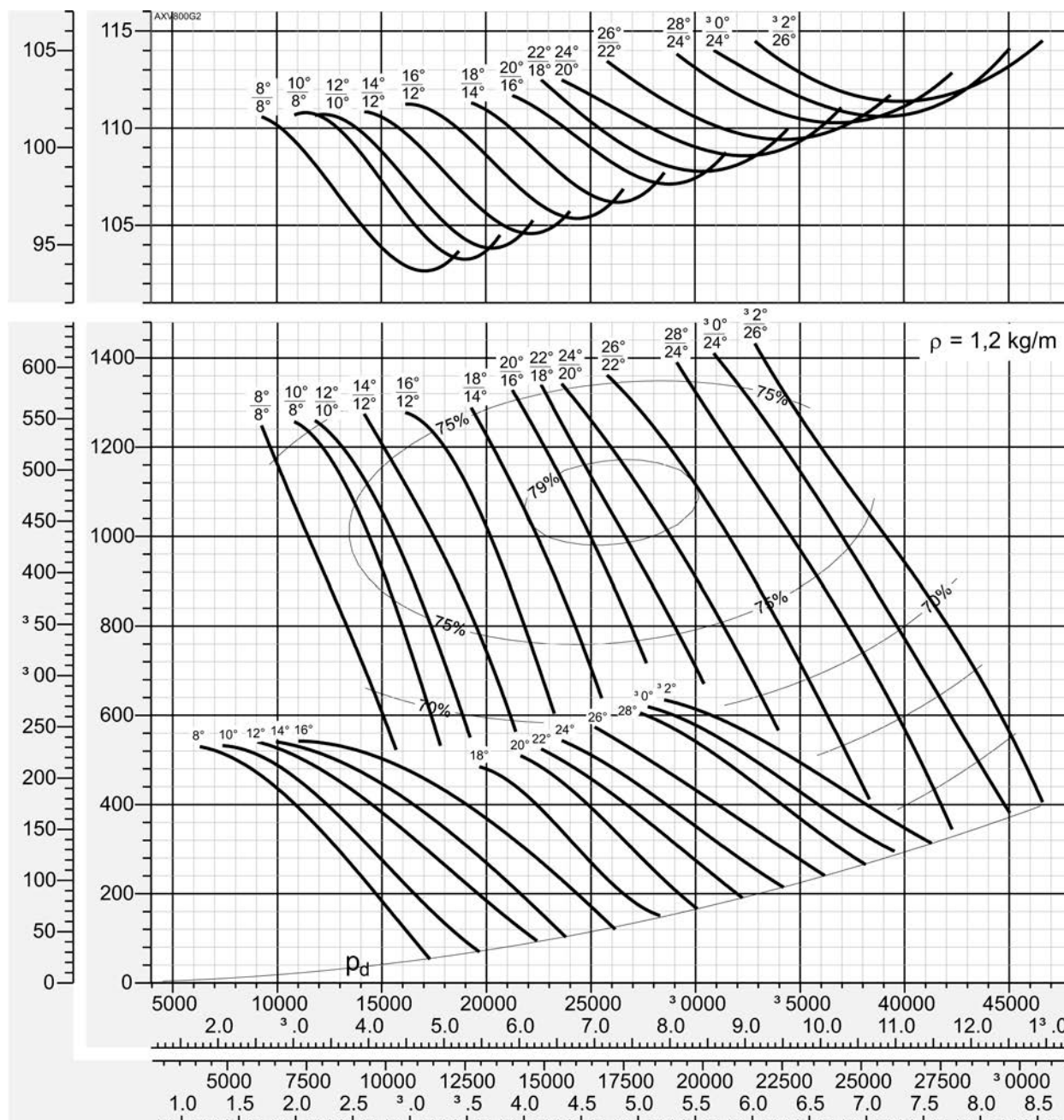
**AXG 630-09; 50Hz**

**Relative frequency spectrum  $L_{W\text{rel}}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -3                   | -5  | -7  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |
| 2880                   | -5                   | -10 | -7  | -5  | -7 | -8  | -12 | -18 |



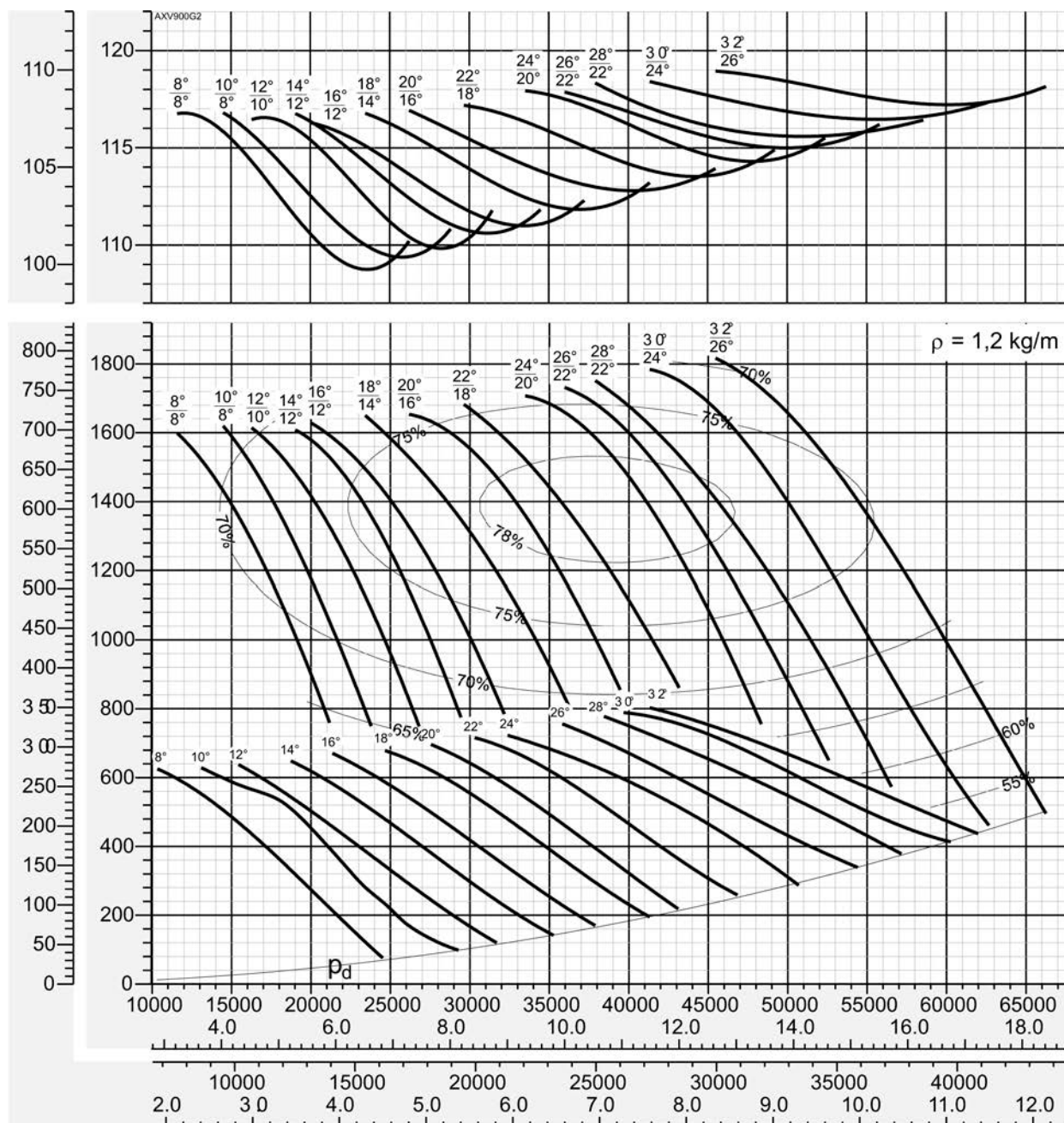
**AXG 710-09; 50Hz**

**Relative frequency spectrum  $L_{WArel}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -10                  | -7  | -5  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -5  | -21 |

**AXG 800-09; 50Hz**

**Relative frequency spectrum  $L_{Wrel}$  in  $\Delta dB/Okt$** 

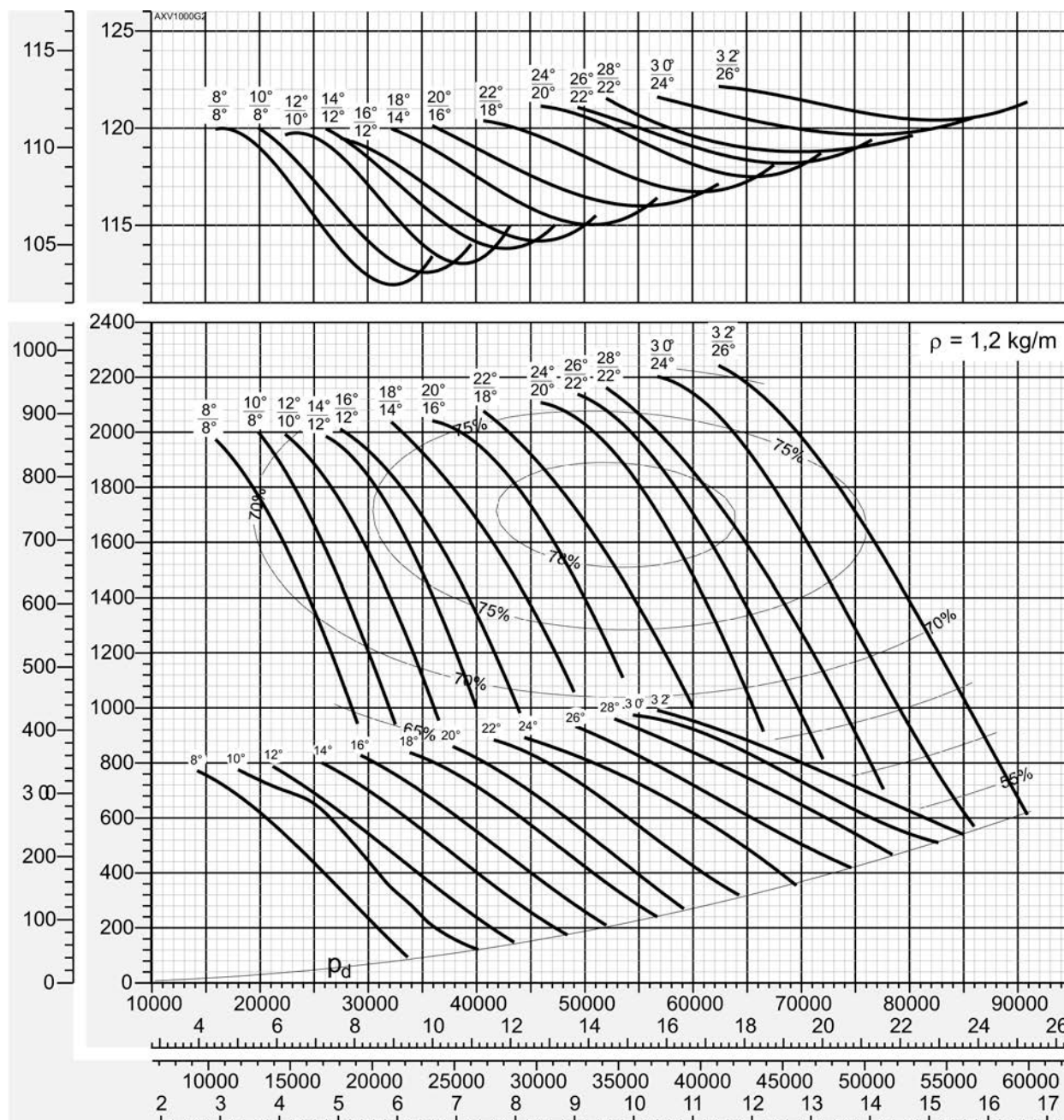
| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -10                  | -7  | -5  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -5                   | -6  | -5  | -6  | -7 | -10 | -15 | -21 |



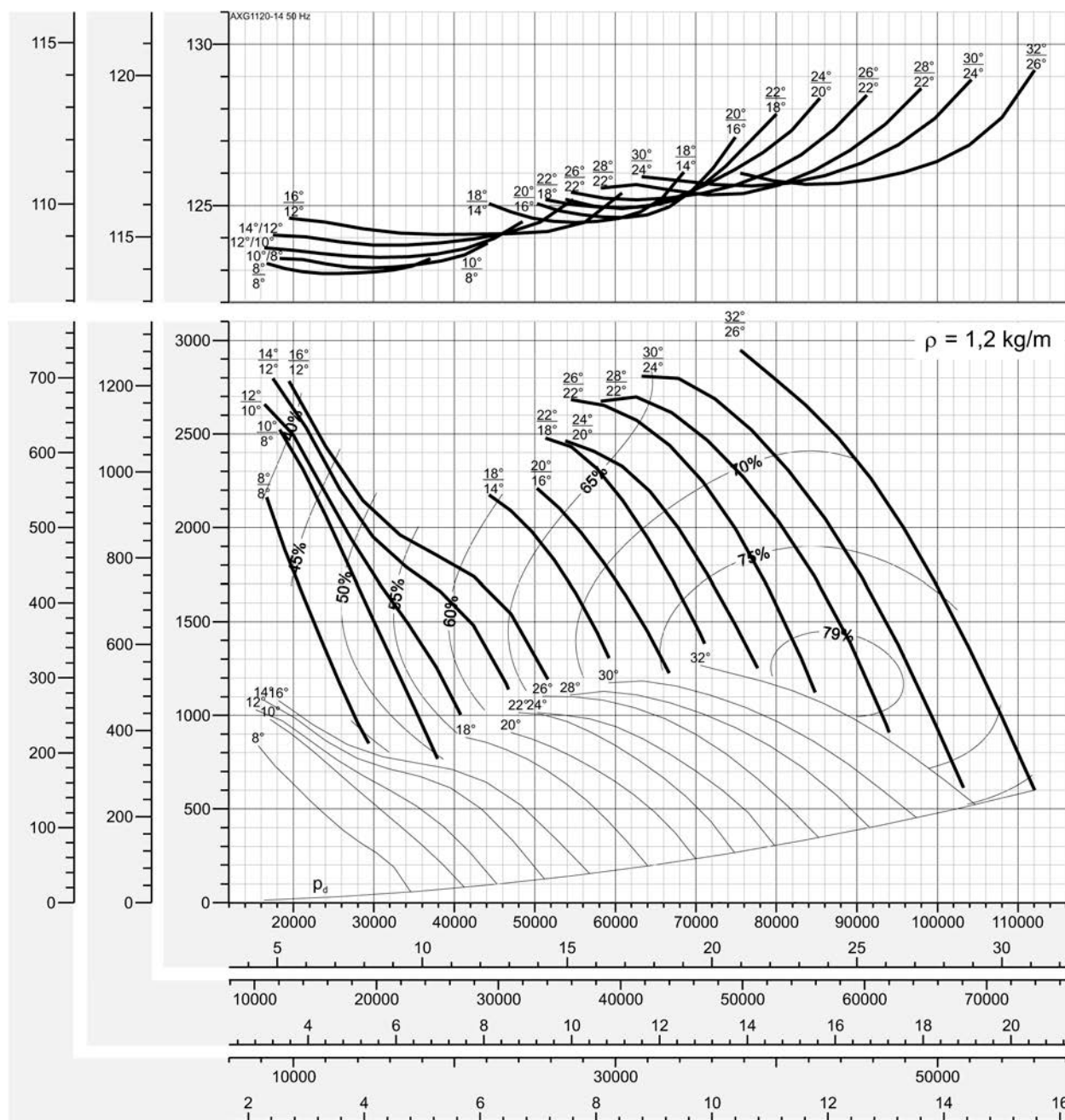
**AXG 900-10; 50Hz**

**Relative frequency spectrum  $L_{W\text{Arel}}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -10                  | -7  | -5  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -10                  | -12 | -6  | -5  | -7 | -10 | -15 | -21 |



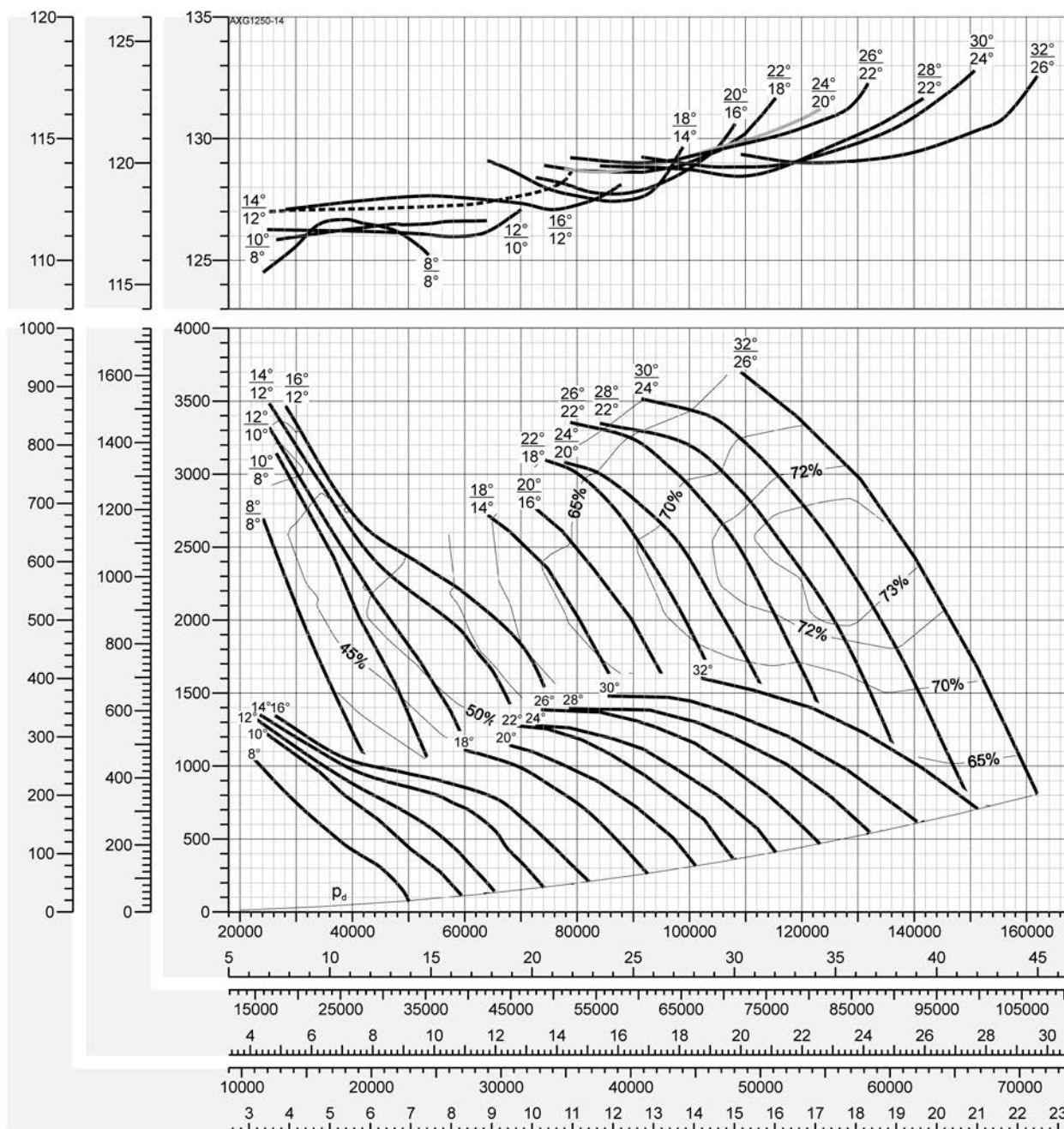
**AXG 1000-10; 50Hz**

**Relative frequency spectrum  $L_{W\text{Arel}}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |    |     |     |     |
|------------------------|----------------------|-----|-----|-----|----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k | 2k  | 4k  | 8k  |
| 950                    | -10                  | -7  | -5  | -7  | -8 | -12 | -18 | -24 |
| 1440                   | -10                  | -12 | -6  | -5  | -7 | -10 | -15 | -21 |

**AXG 1120-14; 50Hz**

**Relative frequency spectrum  $L_{W\text{Arel}}$  in  $\Delta\text{dB/Okt}$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |     |     |     |     |
|------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 720                    | -6                   | -5  | 0   | -7  | -10 | -15 | -21 | -27 |
| 960                    | -10                  | -7  | -5  | -7  | -8  | -12 | -18 | -24 |
| 1440                   | -10                  | -12 | -6  | -5  | -7  | -10 | -15 | -21 |



**AXG 1250-14; 50Hz**

**Relative frequency spectrum  $L_{WArel}$  in  $\Delta dB/Okt$** 

| Motor speed<br>[1/min] | Octave b.midfr. [Hz] |     |     |     |     |     |     |     |
|------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|                        | 63                   | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 720                    | -6                   | -5  | 0   | -7  | -10 | -15 | -21 | -27 |
| 950                    | -10                  | -7  | -5  | -7  | -8  | -12 | -18 | -24 |
| 1440                   | -10                  | -12 | -6  | -5  | -7  | -10 | -15 | -21 |