

KAP long throw jet nozzles panel

The **KAP** jet nozzles panel are designed for air supply in HVAC systems.

- Manually adjustable nozzles integrated into a panel.
- Wall mounting for long throw.
- Suitable for any type of premises with a temperature differential of up to 12°C.

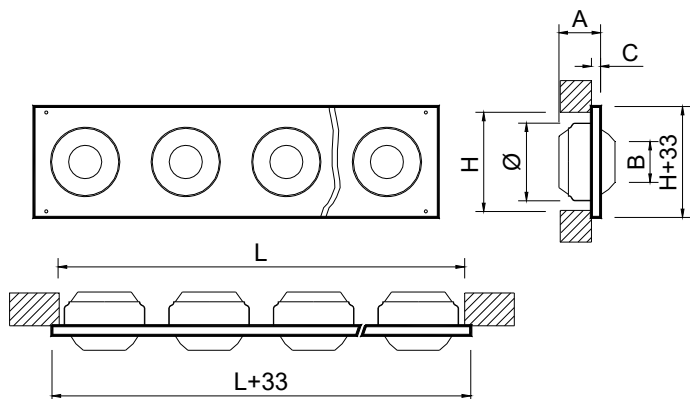
Product advantage:

- Complete flexibility of air in all directions.
- Smooth and homogeneous surface, reducing the visual impact.
- High induction rate to minimize air stratification.



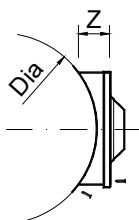
- ❑ Sport halls
- ❑ Offices
- ❑ Shopping centres

KAP



L x H	n	Ø	A	B	C	Ø
500 x 200	2	160	90	80	10	158
800 x 200	4	160	90	80	10	158
1000 x 200	5	160	90	80	10	158
1500 x 200	7	160	90	80	10	158
2000 x 200	9	160	90	80	10	158
500 x 250	2	200	115	102	10	198
800 x 250	3	200	115	102	10	198
1000 x 250	4	200	115	102	10	198
1500 x 250	6	200	115	102	10	198
2000 x 250	7	200	115	102	10	198
800 x 300	2	250	125	130	15	248
1000 x 300	3	250	125	130	15	248
1500 x 300	4	250	125	130	15	248
2000 x 300	6	250	125	130	15	248
800 x 400	2	315	180	166	15	313
1000 x 400	2	315	180	166	15	313
1500 x 400	3	315	180	166	15	313
2000 x 400	4	315	180	166	15	313

IBK



IBK- Dia - L x H	Dia Conducto Dia Duct	Z
IBK- Dia - L x 200	315 - 1600	65
IBK- Dia - L x 250	400 - 1600	75
IBK- Dia - L x 300	500 - 1600	85
IBK- Dia - L x 400	630 - 1600	170

CLASIFICACION

KAP Manually adjustable jet nozzles panel.

MATERIAL

Nozzles constructed from aluminium and panel from galvanised steel. Seal of rotation from immutable material.

ACCESSORIES

IBK Pressed collar saddle for mounting into a visible circular duct.

FIXING SYSTEMS

(T) Visible screws.

FINISHES

R9016S Painted white RAL 9016 (60-70% gloss)

R9010S Painted white RAL 9010 (60-70% gloss)

R9016B Painted white RAL 9016 (85-95% gloss)

R9006M Painted aluminum color RAL 9006 (20-30% gloss)

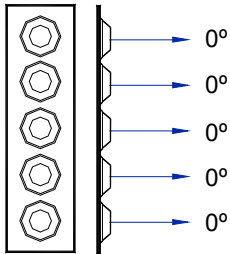
RAL... Painted in other RAL colours

SPECIFICATION TEXT

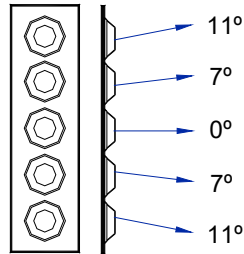
Supply and mounting of long throw multi-jet nozzle manually adjustable in all directions series **KAP (T) R9016S dim. LxH** constructed from aluminium and galvanised steel, paint in white RAL9016 (60-70% gloss) with visible screws. Manufacturer **MADEL**.

KAP series

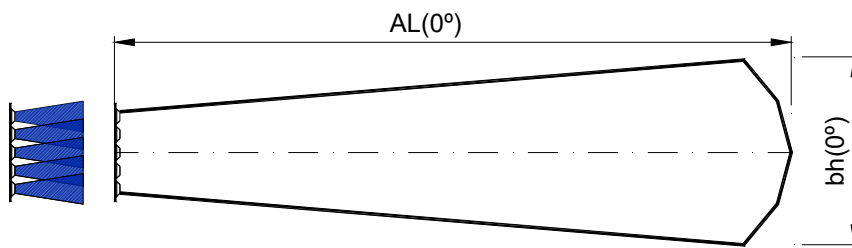
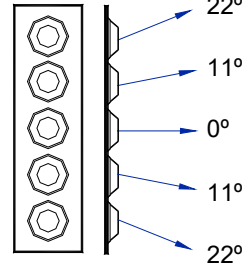
POSITION 1 (0°)



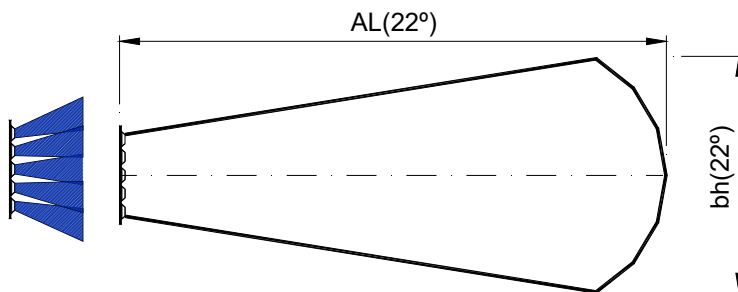
POSITION 2 (22°)



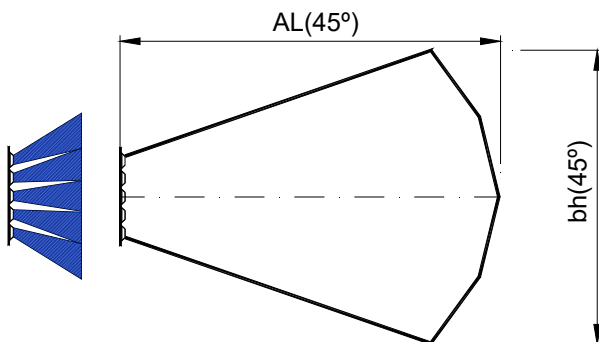
POSITION 3 (45°)



POSITION 1 (0°)
 $AL(0°) = AL$
 $bh(0°) = 0,28 \times AL$



POSITION 2 (22°)
 $AL(22°) = 0,7 \times AL$
 $bh(22°) = 0,68 \times AL$



POSITION 3 (45°)
 $AL(45°) = 0,5 \times AL$
 $bh(45°) = 1,15 \times AL$

KAP series

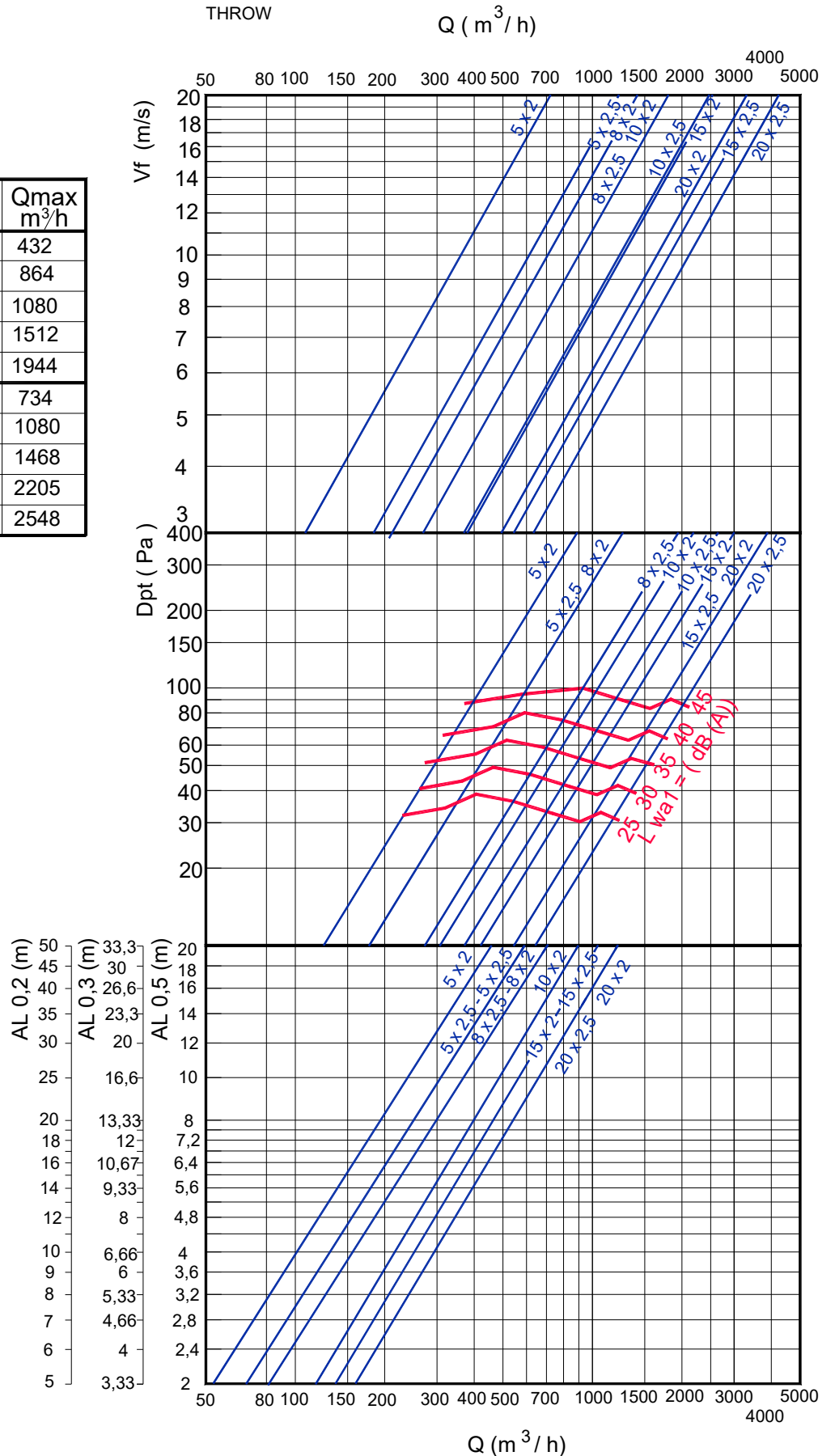
RECOMMENDED VELOCITY.

	Vfmin m/s	Vfmax m/s
L x H	2,5	12

FREE FACE AREA (m2).

L x H		Afree m ²	Qmin m ³ /h	Qmax m ³ /h
500 x 200	5 x 2	0,01	90	432
800 x 200	8 x 2	0,02	180	864
1000 x 200	10 x 2	0,025	225	1080
1500 x 200	15 x 2	0,035	315	1512
2000 x 200	20 x 2	0,045	405	1944
500 x 250	5 x 2,5	0,017	153	734
800 x 250	8 x 2,5	0,025	225	1080
1000 x 250	10 x 2,5	0,034	305	1468
1500 x 250	15 x 2,5	0,051	459	2205
2000 x 250	20 x 2,5	0,059	531	2548

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL, THROW



KAP series

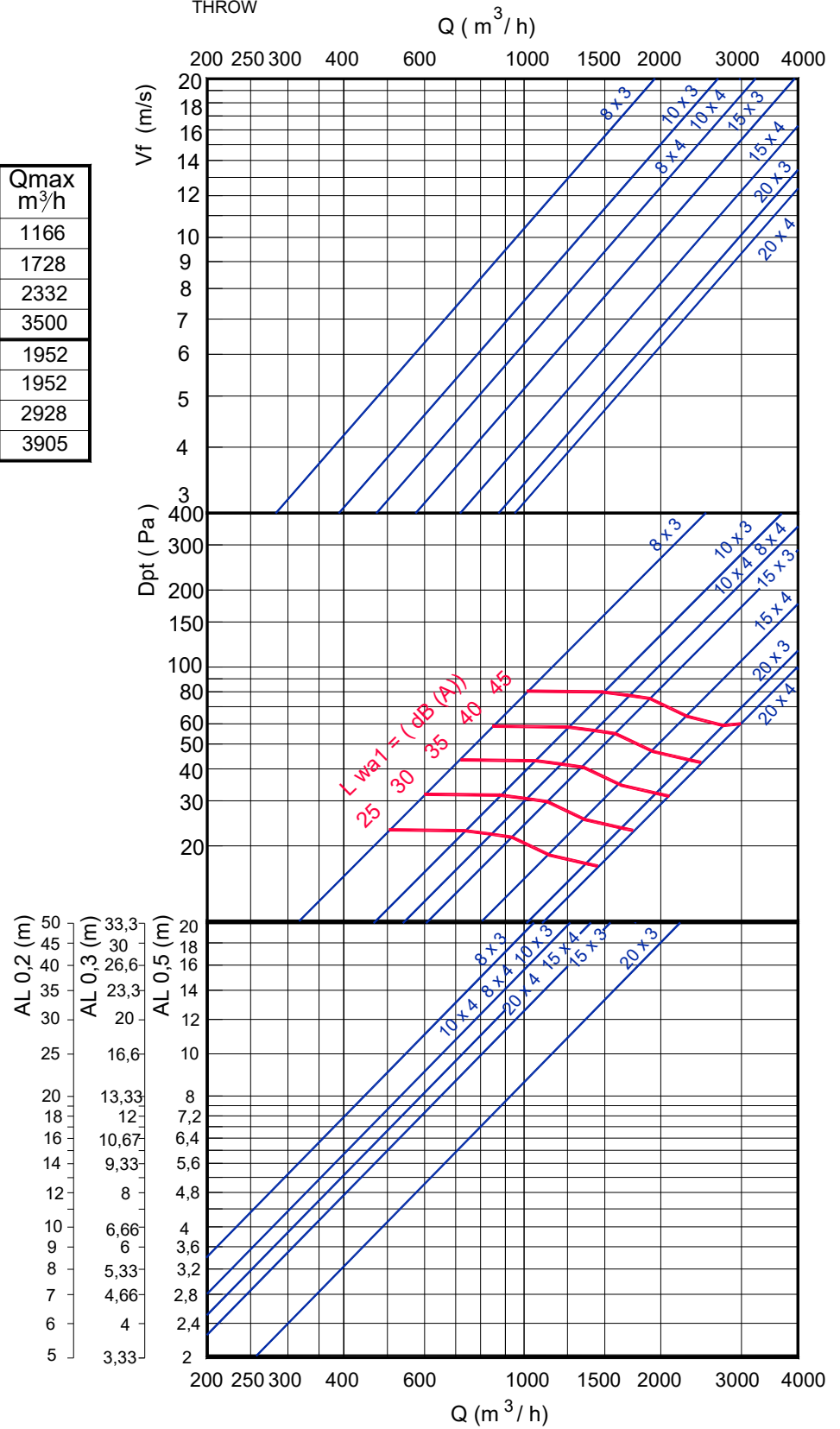
RECOMMENDED VELOCITY.

	Vfmin m/s	Vfmax m/s
L x H	2,5	11

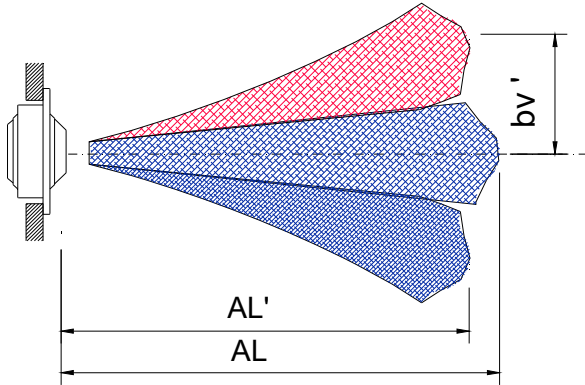
FREE FACE AREA (m2).

L x H		Afree m ²	Qmin m ³ /h	Qmax m ³ /h
800 x 300	8 x 3	0,027	243	1166
1000 x 300	10 x 3	0,040	360	1728
1500 x 300	15 x 3	0,054	486	2332
2000 x 300	20 x 3	0,081	729	3500
800 x 400	8 x 4	0,0452	406	1952
1000 x 400	10 x 4	0,0452	406	1952
1500 x 400	15 x 4	0,0678	610	2928
2000 x 400	20 x 4	0,0904	813	3905

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL, THROW



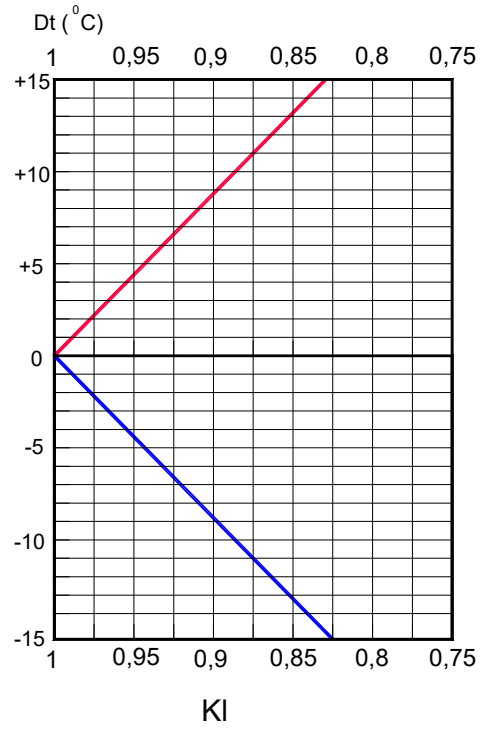
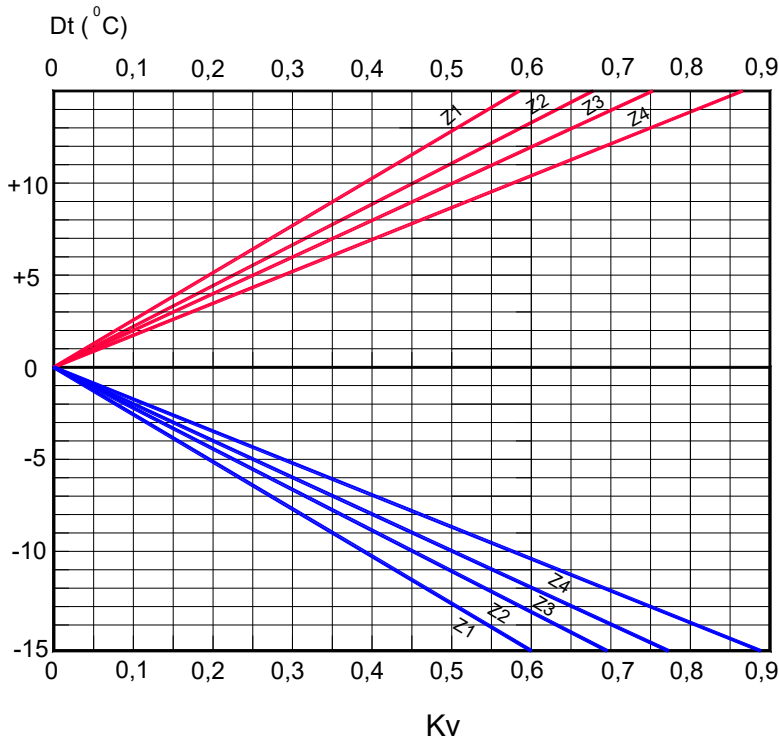
KAP series



Z1	Z2	Z3	Z4
500x200	500x250	800x300	800x400
800x200	800x250	1000x300	1000x400
1000x200	1000x250	1500x300	1500x400
1500x200	1500x250	2000x300	2000x400
2000x200	2000x250		

CORRECTION FACTOR FOR VERTICAL DIFFUSION (bv') FOR DT (-).

CORRECTION FACTOR FOR THROW ($L0.2$) DT (-).



$$bv' = Kv \times AL$$

$$AL' = KI \times AL$$

Kv = Correction factor for the vertical diffusion.

KI = Correction factor for the throw.