

Single Jet Nozzle Type KAM

The jet nozzles of KAM Series have been designed specifically to provide air diffusion into large spaces. They are special in so far as they can achieve a long throw on either heating or cooling whilst giving complete flexibility of direction. The design is the result of a collaboration with Benedito DESIGN the brief being to provide a diffuser that encompasses smooth modern aesthetic lines that would appeal to the architectural market.

Material:

Jet nozzle constructed from aluminium.
Seal of rotation from immutable material, classified M1 and F2 as regards fire and smoke safety.

Finishes:

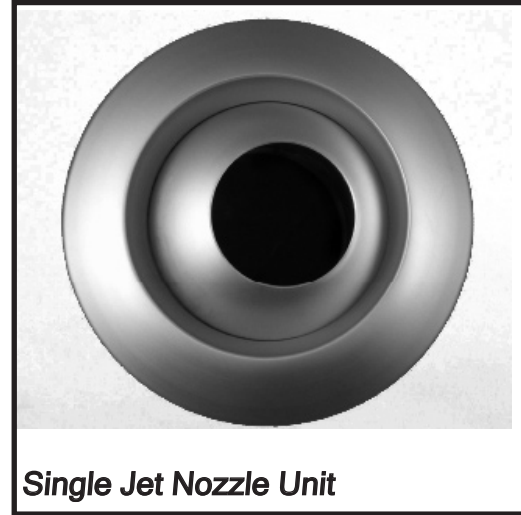
M9006 Lacquer in metallic grey colour, similar to RAL 9006.
R9010 Lacquer in white colour RAL 9010.
M9016 Lacquer in white colour similar to RAL 9016.
RAL... Lacquer in other colours (RAL specifications).

Fixing Systems:

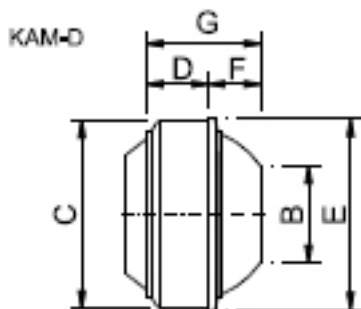
- 1) Wall or ceiling mounting by means of hidden screws behind the ring.
- 2) Connection into a circular metallic duct.

Additional Accessories:

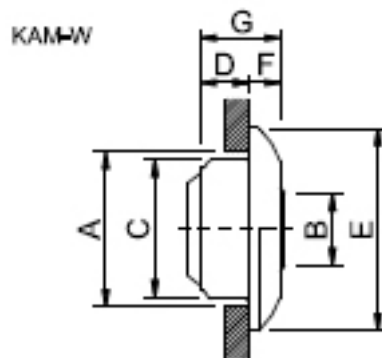
IEH Pressed collar saddle for KAM-D mounting onto a visible circular duct.



Single Jet Nozzle Unit



| Tamaño | B | C | D | E | F | G |
|--------|-----|-----|-----|-----|----|-----|
| 125 | 61 | 123 | 55 | 126 | 27 | 83 |
| 160 | 80 | 158 | 55 | 161 | 34 | 106 |
| 200 | 102 | 198 | 77 | 201 | 40 | 135 |
| 250 | 130 | 248 | 99 | 251 | 48 | 171 |
| 315 | 166 | 313 | 126 | 316 | 57 | 185 |



| Tamaño | A | B | C | D | E | F | G |
|--------|-----|-----|-----|-----|-----|----|-----|
| 125 | 135 | 61 | 123 | 55 | 180 | 27 | 83 |
| 160 | 175 | 80 | 158 | 55 | 230 | 34 | 106 |
| 200 | 215 | 102 | 198 | 77 | 288 | 40 | 135 |
| 250 | 275 | 130 | 248 | 99 | 359 | 48 | 171 |
| 315 | 335 | 166 | 313 | 126 | 453 | 57 | 185 |

Single Jet Nozzle Type KAM Technical Specifications

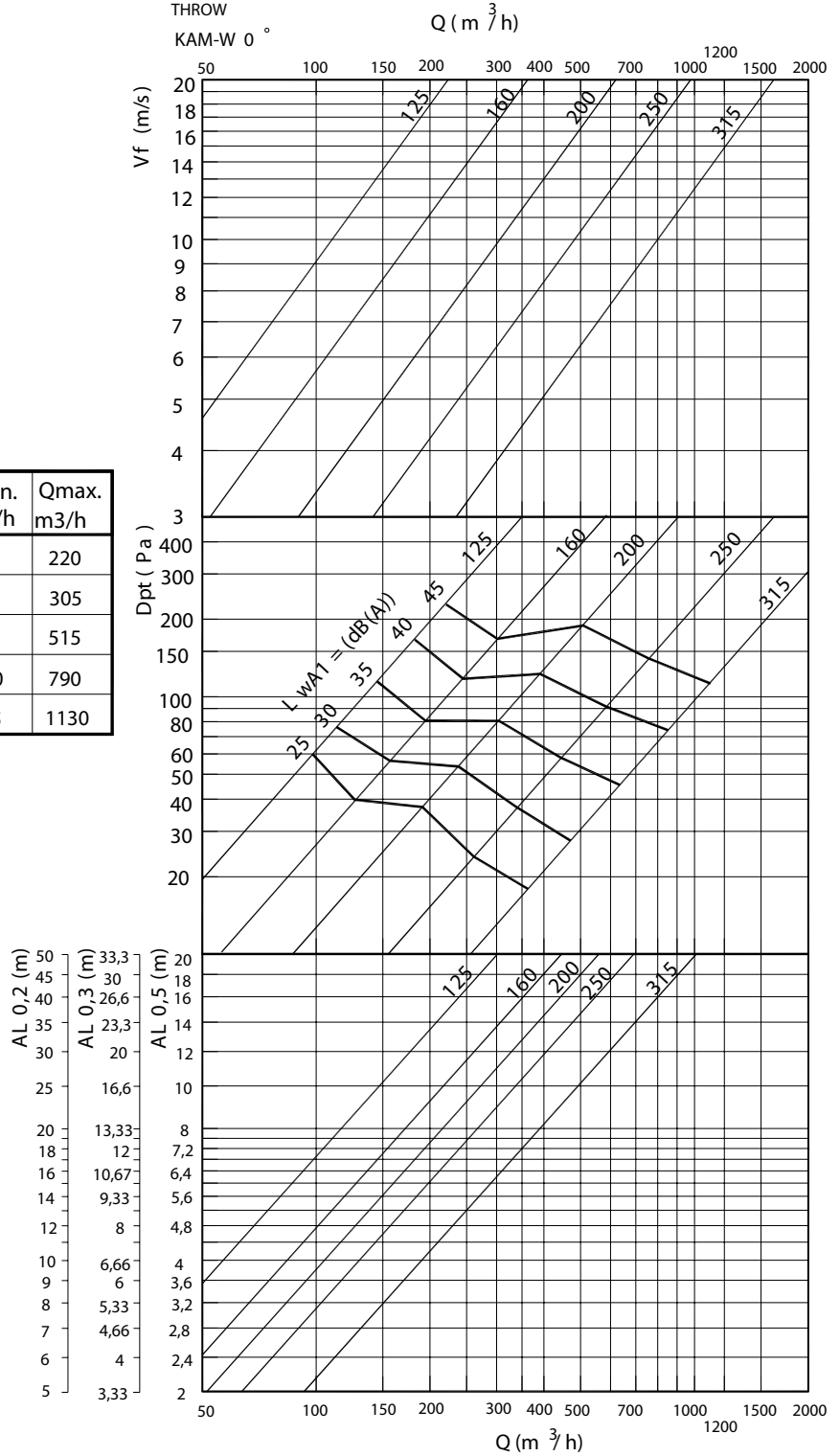
RECOMMENDED VELOCITY.

| KAM | Vmin m/s | Vmax m/s |
|-----|-------------|-------------|
| 125 | 2,5 | 19,7 |
| 160 | 2,5 | 16,9 |
| 200 | 3 | 16,8 |
| 250 | 3,5 | 16,2 |
| 315 | 4 | 13,8 |

FREE FACE AREA (m2).

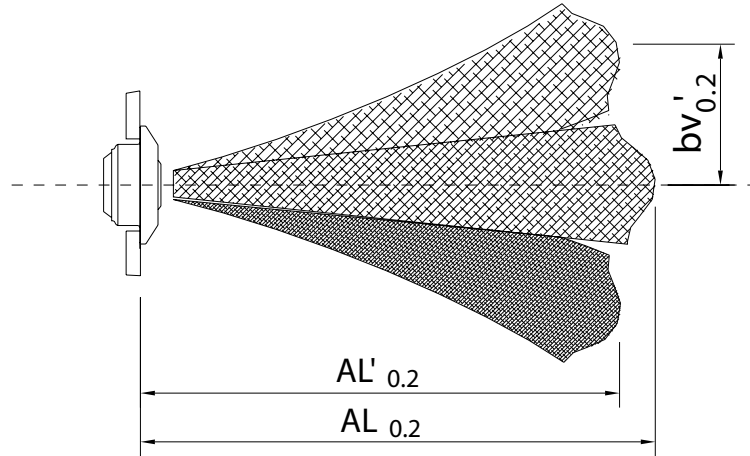
| KAM | Ak m2 | Afree m2 | Qmin. m3/h | Qmax. m3/h |
|-----|----------|-------------|---------------|---------------|
| 125 | 0,0123 | 0,0031 | 28 | 220 |
| 160 | 0,0201 | 0,005 | 45 | 305 |
| 200 | 0,0314 | 0,0085 | 92 | 515 |
| 250 | 0,0491 | 0,0135 | 170 | 790 |
| 315 | 0,0779 | 0,0226 | 325 | 1130 |

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL,
THROW
KAM-W 0°

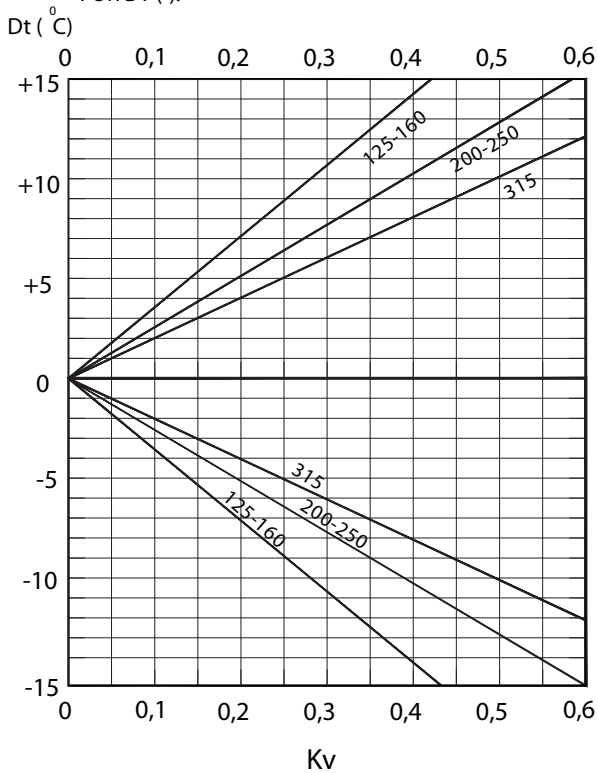


Note: In MadelMedia Octava band centre frequency in Hz.

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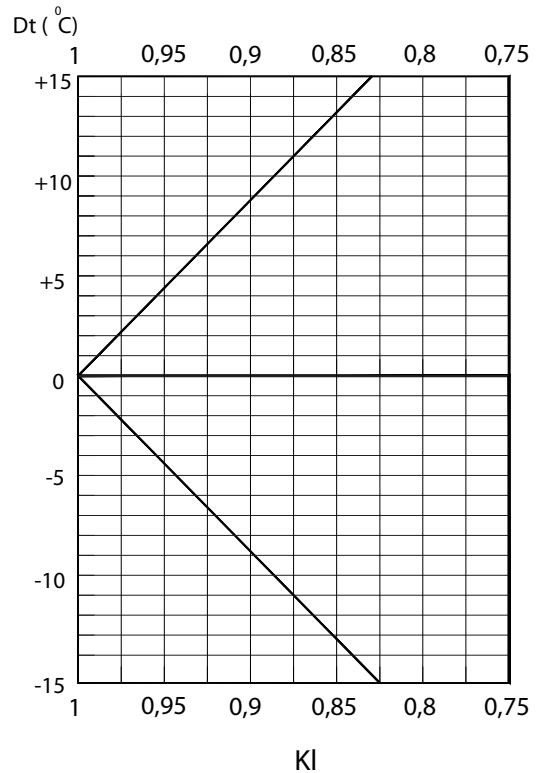
CORRECTION FACTOR FOR
VERTICAL DIFFUSION (bv)
FOR DT (-).



$$bv'_{0.2} = Kv \times Al'_{0.2}$$

Kv = Correction factor for the vertical diffusion.

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

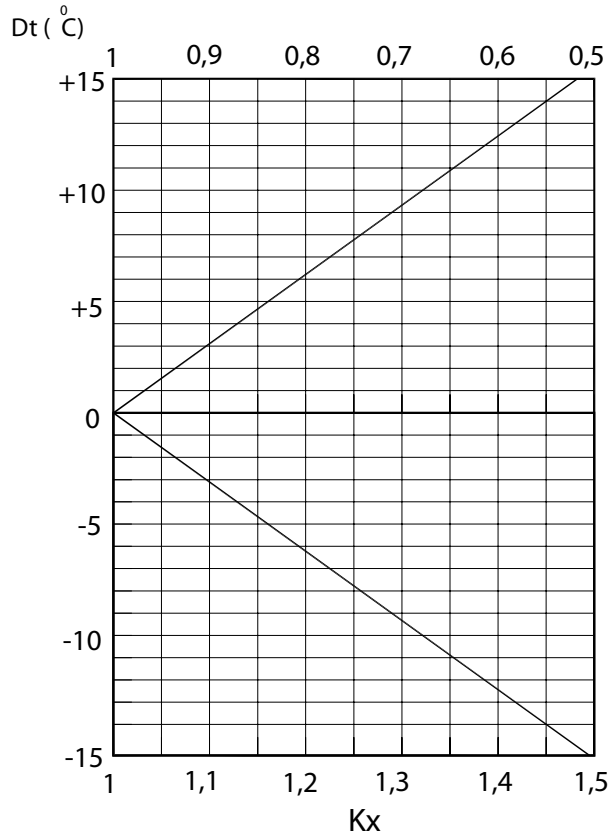
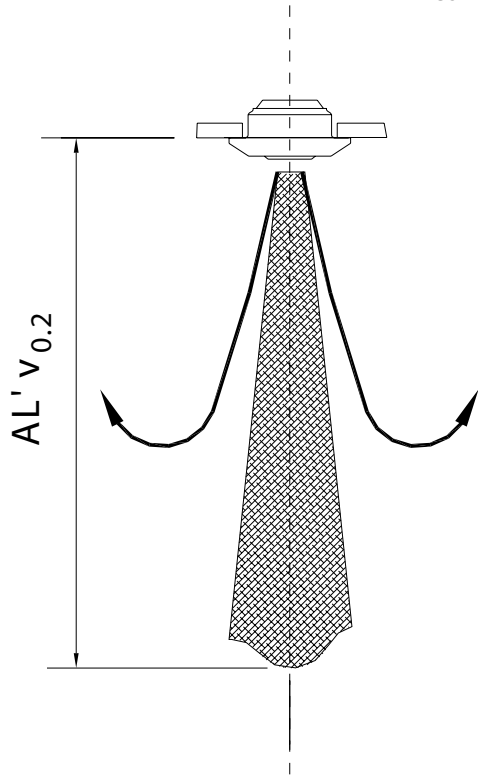


$$Al'_{0.2} = Kl \times Al'_{0.2}$$

Kl = Correction factor for the throw.

Single Jet Nozzle Type KAM Technical Specifications

CORRECTION FACTOR FOR VERTICAL THROW (ALv_{0,2}) DT



$$AL' v_{0.2} = Kx \times AL_{0.2}$$