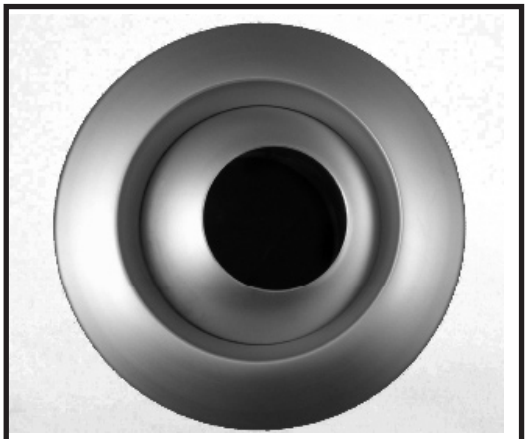
Single Jet Nozzle Type KAM

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.



Single Jet Nozzle Unit

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).

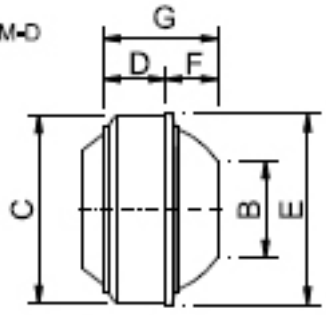
Fixing Systems:

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

Additional Accessories:

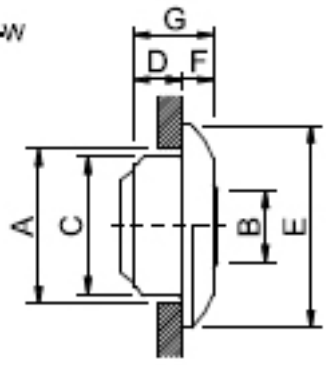
IEH Pressed collar saddle for KAM-D mounting onto a visible circular duct.

KAM-D



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

KAM-W



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.

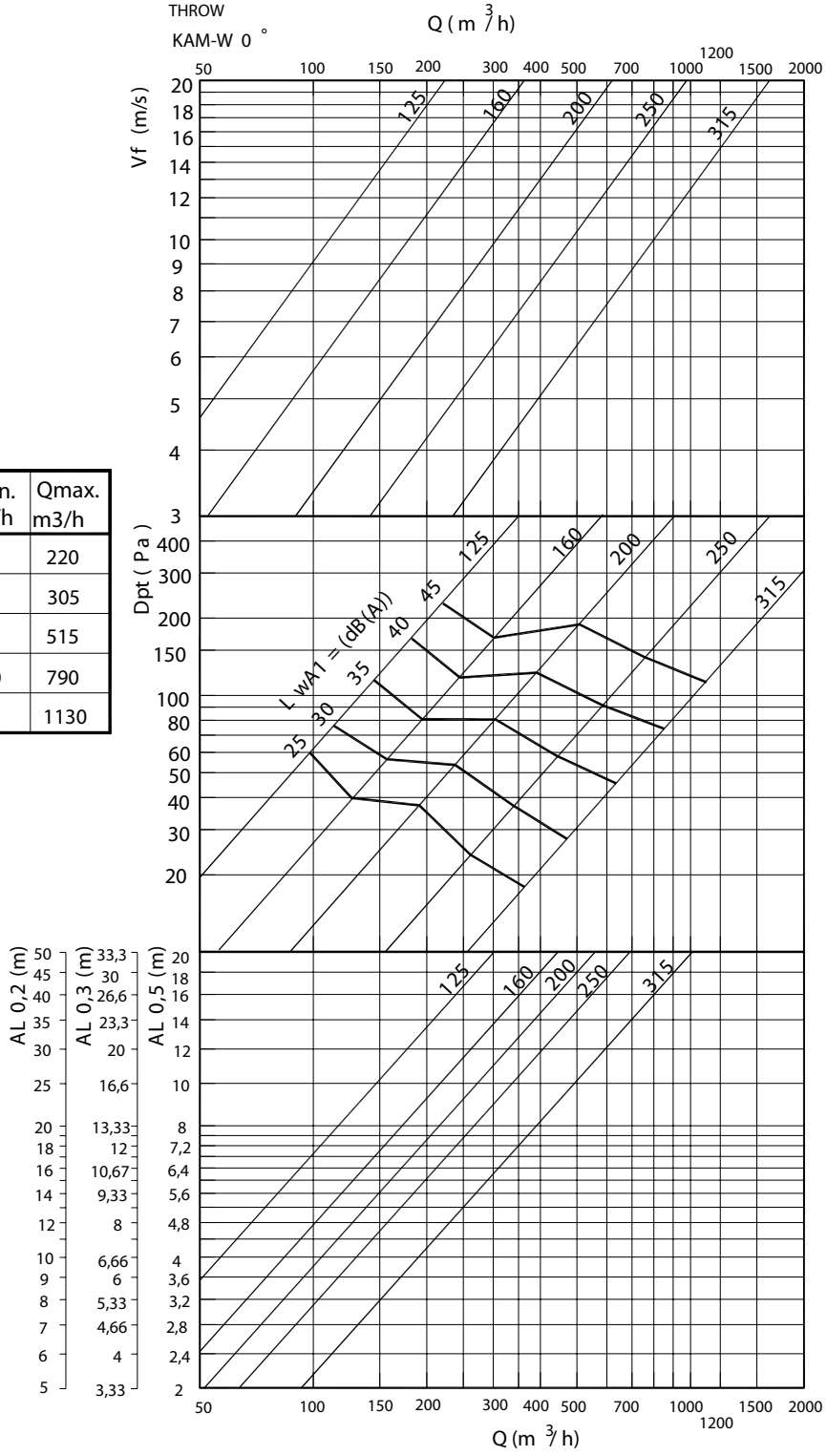
KAM	Vmin m/s	Vmax m/s
125	2,5	19,7
160	2,5	16,9
200	3	16,8
250	3,5	16,2
315	4	13,8

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

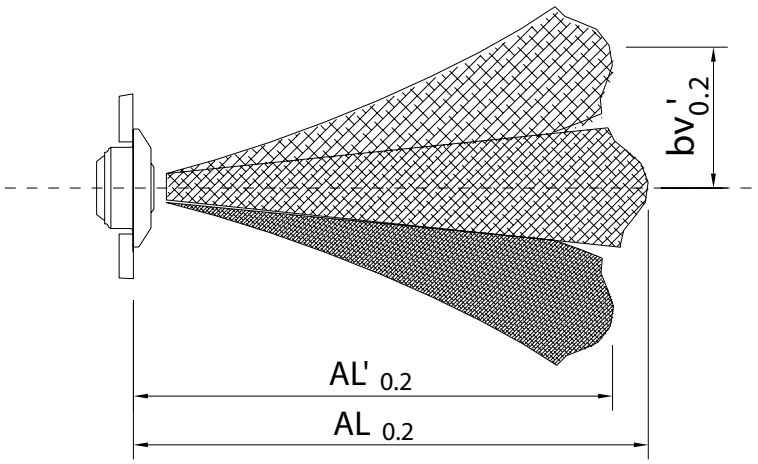
FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL, THROW

KAM-W 0 °

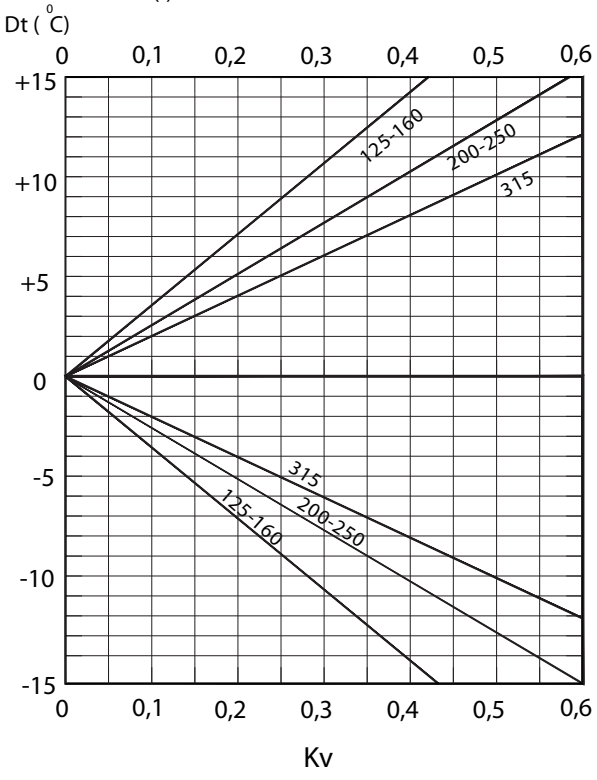


Note: In MadelMedia Octava band centre frequency in Hz.

Single Jet Nozzle Type KAM Technical Specifications



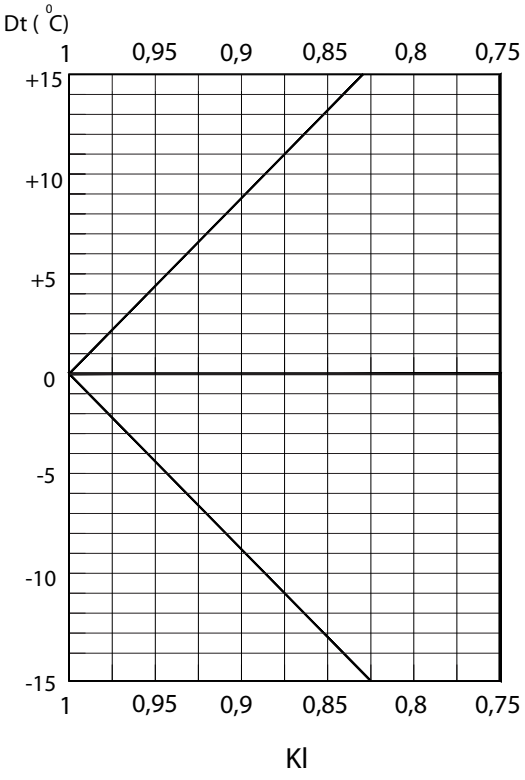
CORRECTION FACTOR FOR VERTICAL DIFFUSION (bV) FOR DT (-).



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

Kv = Correction factor for the vertical diffusion.

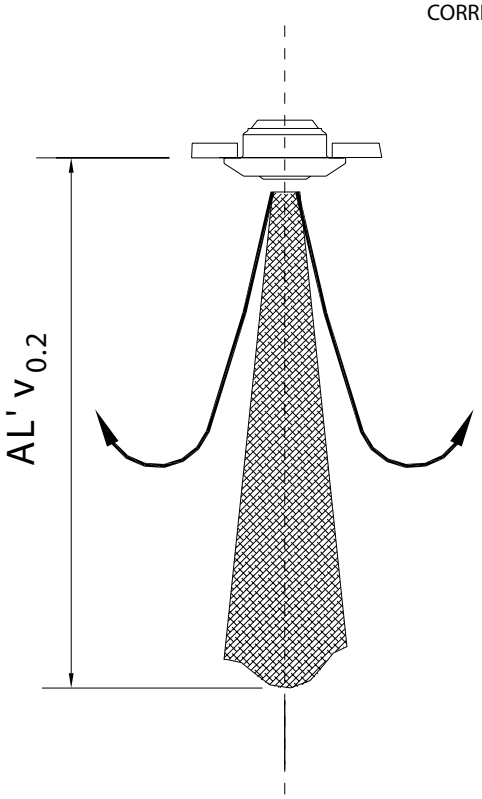
CORRECTON FACTOR FOR THROW (L0.2) DT (-).



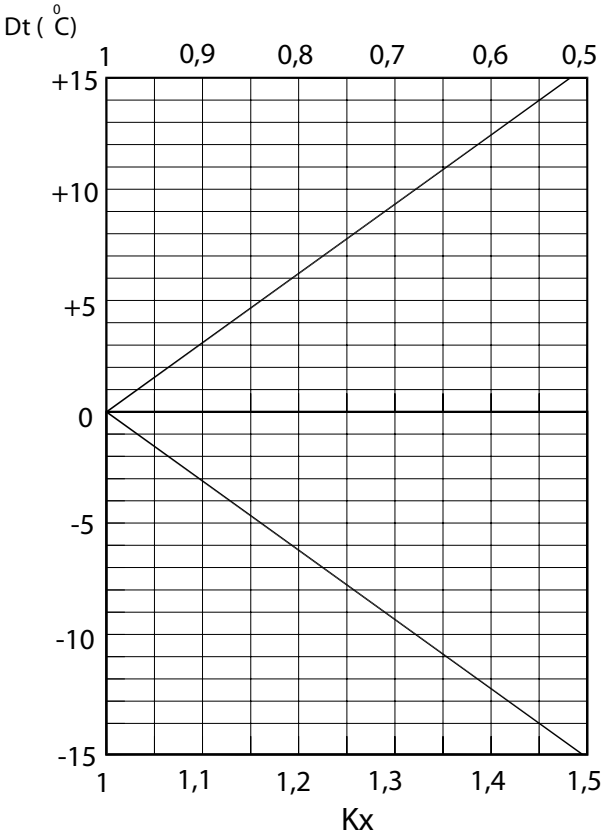
$$Al'_{0.2} = KL \times Al_{0.2}$$

Kl = Correction factor for the throw.

Single Jet Nozzle Type KAM Technical Specifications



CORRECTION FACTOR FOR VERTICAL THROW (Alv0,2) DT



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