



actif



AX6 Adjustable blades swirl diffusers

AX6 series swirl diffusers are designed to be applied in air conditioning, ventilation and heating in different premises from 2,6 meters high and temperature differential up to 15°C.

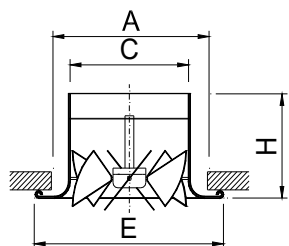
They are suitable for both industrial use and comfort areas. Their round shape together with the helical design of their blades causes a swirl diffusion of the air stream, obtaining a high rate of induction, reducing stratification.

The diffusion of the air can be varied by adjusting the supply air angle of the blades, changing from horizontal projection to vertical projection in accordance with the supply air temperature.

They can be mounted in false ceilings or ductwork or suspended from the ceiling.

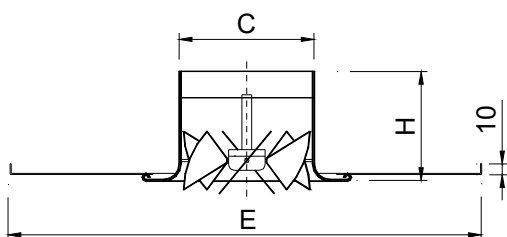


AX6-MA



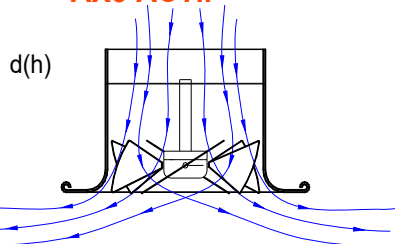
	E	A	H	C
250	360	300	202	248
315	464	400	225	313
400	560	500	250	401
500	690	620	306	497
630	870	780	350	627

AX6-.../MOD

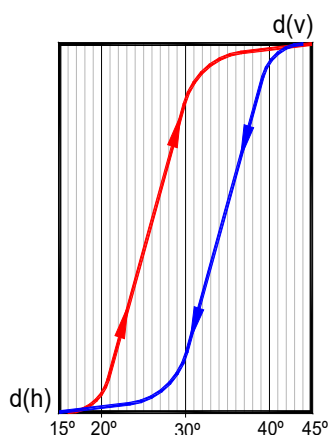
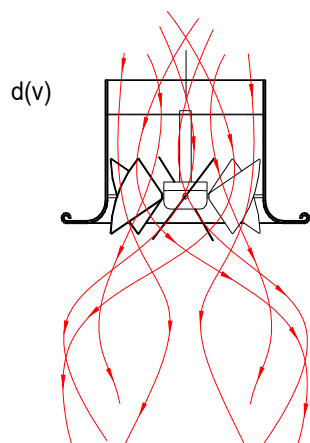


	E	H	C
AX6 - MOD 600/250	595	202	248
AX6 - MOD 600/315	595	225	313
AX6 - MOD 600/400	595	250	401
AX6 - MOD 625/250	620	202	248
AX6 - MOD 625/315	620	225	313
AX6 - MOD 625/400	620	250	401
AX6 - MOD 675/250	670	202	248
AX6 - MOD 675/315	670	225	313
AX6 - MOD 675/400	670	250	401

AX6-ACTIF



Ø
250
315
400
500



Time from 30° to 60°: 30 min.

CLASSIFICATION

AX6-MA Synchronously adjustable blades diffuser. Manually operated.

AX6-MO Synchronously adjustable blades diffuser by means of an actuator.

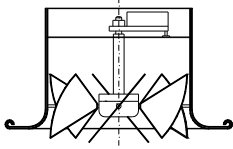
AX6-ACTIF Synchronously adjustable blade diffuser that is autonomously thermally adjustable by means of a thermodynamic piston. ACTIF series swirl diffusers are designed to be applied in air conditioning, ventilation and heating in premises with varying heights in excess of 4 meters and a temperature differential of up to 15°C. The diffusion of the air can be varied by adjusting the supply air angle of their blades, changing from horizontal projection to vertical projection in accordance with the supply air temperature, reducing stratification.

AX6-.../MOD... Diffuser specially designed for modular ceilings.

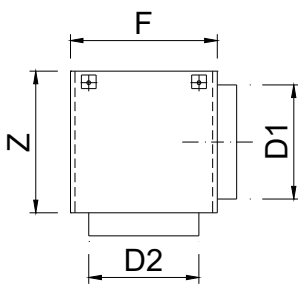
MATERIAL

Diffuser made from aluminium and galvanized steel. Sprockets and gears made from ABS plastic.

AX6-MO+actuator

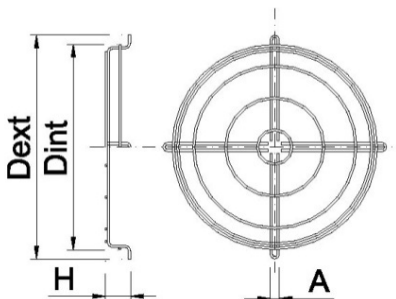


PLX6



	D2	F	Z	D1
250	243	320	308	248
315	308	385	373	313
400	396	500	450	313
500	492	600	500	448
630	622	730	558	498

CH6



	Dext	Dint	H	A
250	350	300	40	14
315	450	400	40	14
400	550	500	50	17
500	655	600	80	17
630	860	790	90	20

ACCESSORIES

GLB141.1E -24v Siemens On/Off actuator.
GLB341.1E -230v Siemens On/Off actuator.
GLB161.1E -24v Siemens proportional actuator.
GLB111.1E/MO -24v Siemens proportional actuator with MODBUS.

NM24A Belimo On/Off actuator.

NM230A Belimo On/Off actuator.

NM24A-SR Belimo Vac proportional actuator.

NM230A-SR Belimo 230 Vac proportional actuator.

NM24A-MOD Belimo proportional actuator with MODBUS.

PLX6 Plenum with a lateral connection. It has supports for the suspension from the ceiling. Made of galvanized steel.

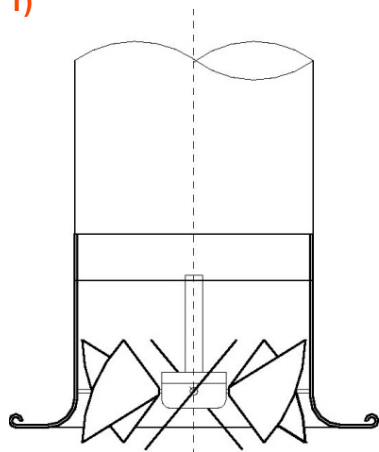
.../M/ Plenum for AX6-MO. It has a door for the inspection of the actuator.

.../S/ Plenum with an upper connection.

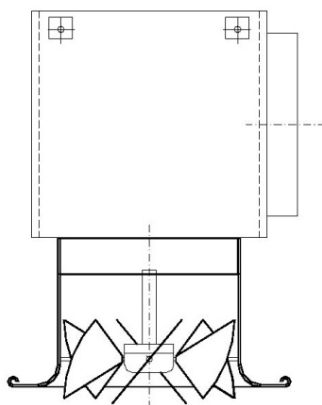
.../AIS/ Thermally insulated plenum box with foam. Density 30 kg / m³ ISO 845. Thermal conductivity 20° C_0,040 W / m²K ISO 3386/1. Classified reaction to fire B-s2, d0 EN 13501-1.

CH6 Protection grille suitable for sport installations.

1)



2)



FIXING SYSTEMS

1) Connection into a circular metallic duct by means of rivets.

2) Connection into the plenum box by means of rivets to hang the whole from the ceiling.

FINISHES

M9016 Painted white similar to RAL 9016 (85-95% gloss)

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

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

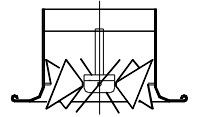
R9006M Painted grey RAL 9006 matt (20-30% gloss)

RAL... Painted in other RAL colours

SPECIFICATION TEXT

Supply and mounting of circular swirl diffuser with manually adjustable blades series **AX6-MA+PLX6 M9016 dim. 250** constructed from aluminium paint in white **M9016**. With lateral circular connection plenum box **PLX6**. Manufacturer **MADEL**.

AX6



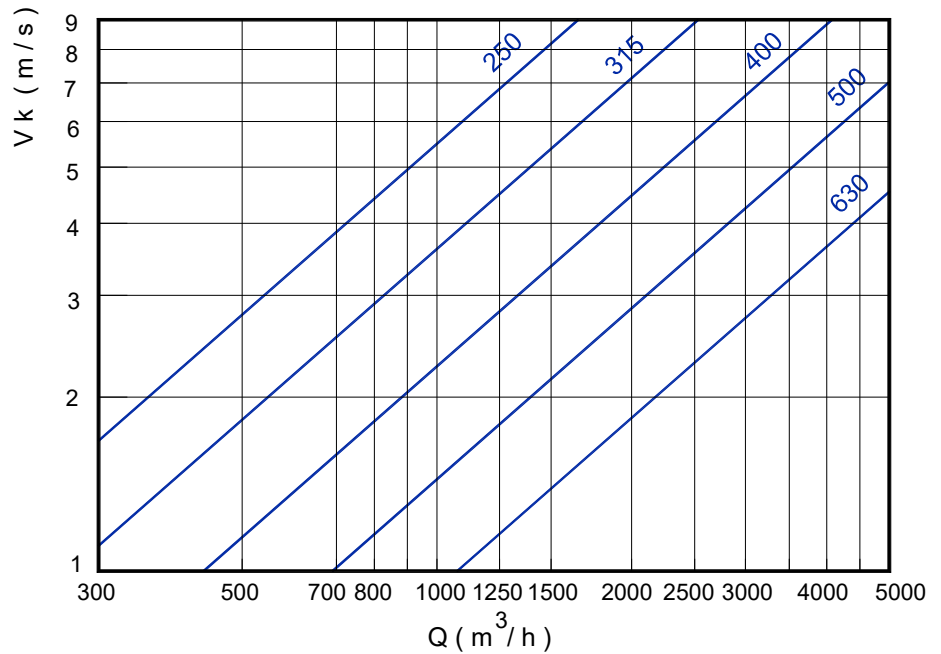
RECOMMENDED VELOCITY.

AX6	Vmin m/s	Vmax m/s
250	3	5,6
315	3	4.6
400	3	4.9
500	3	4.2
630	3	4.5

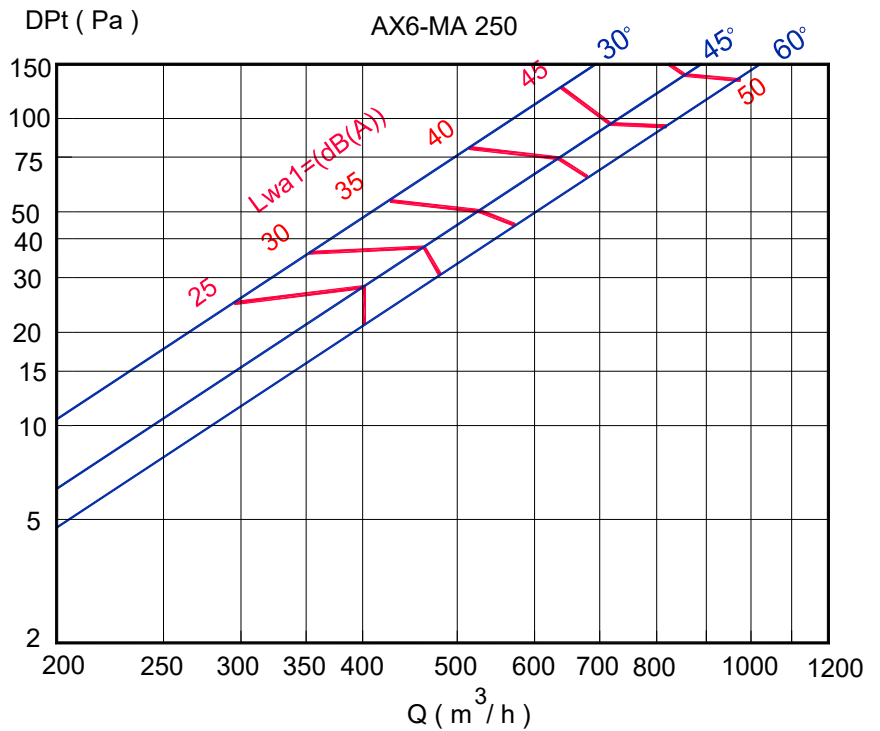
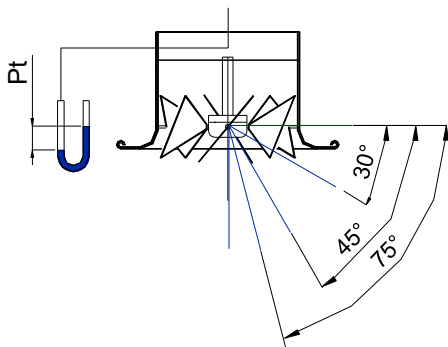
NECK AREA m².

AX6	A _k m ²	Qmin m ³ /h	Qmax m ³ /h
250	0.049	529	985
315	0.0779	853	1285
400	0.125	1360	2200
500	0.196	2000	3000
630	0.312	3369	5005

NECK VELOCITY.

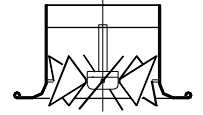


PRESSURE LOSS AND SOUND POWER LEVEL.

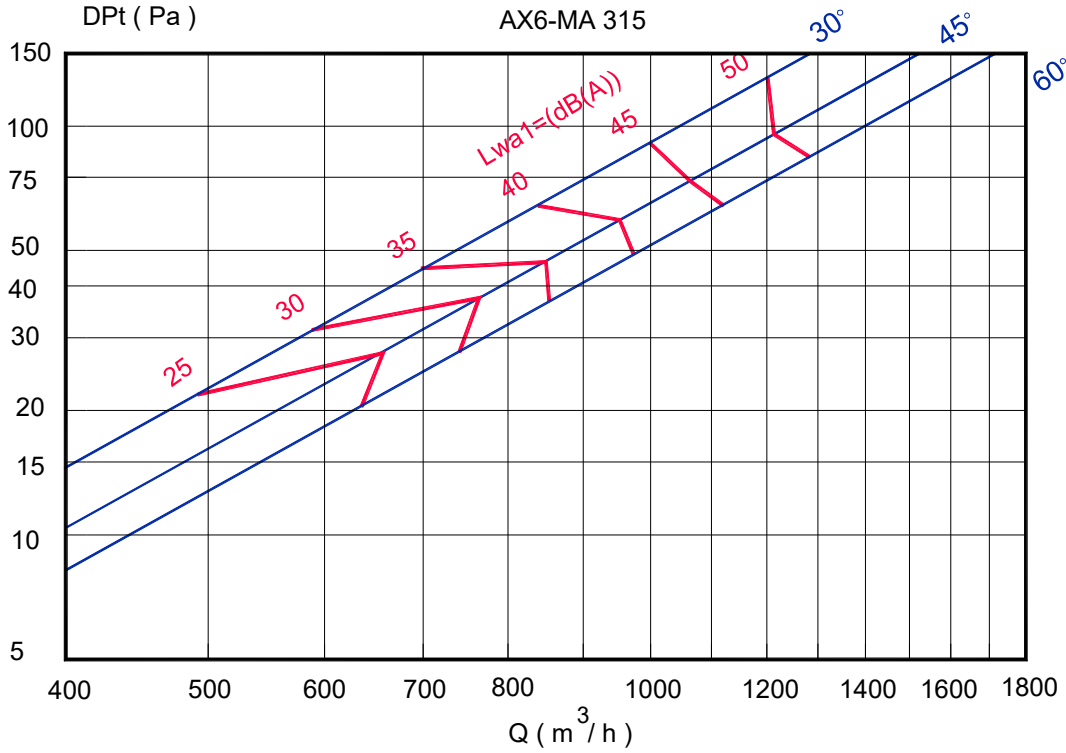


Note: In MadelMedia Octava band centre frequency in Hz.

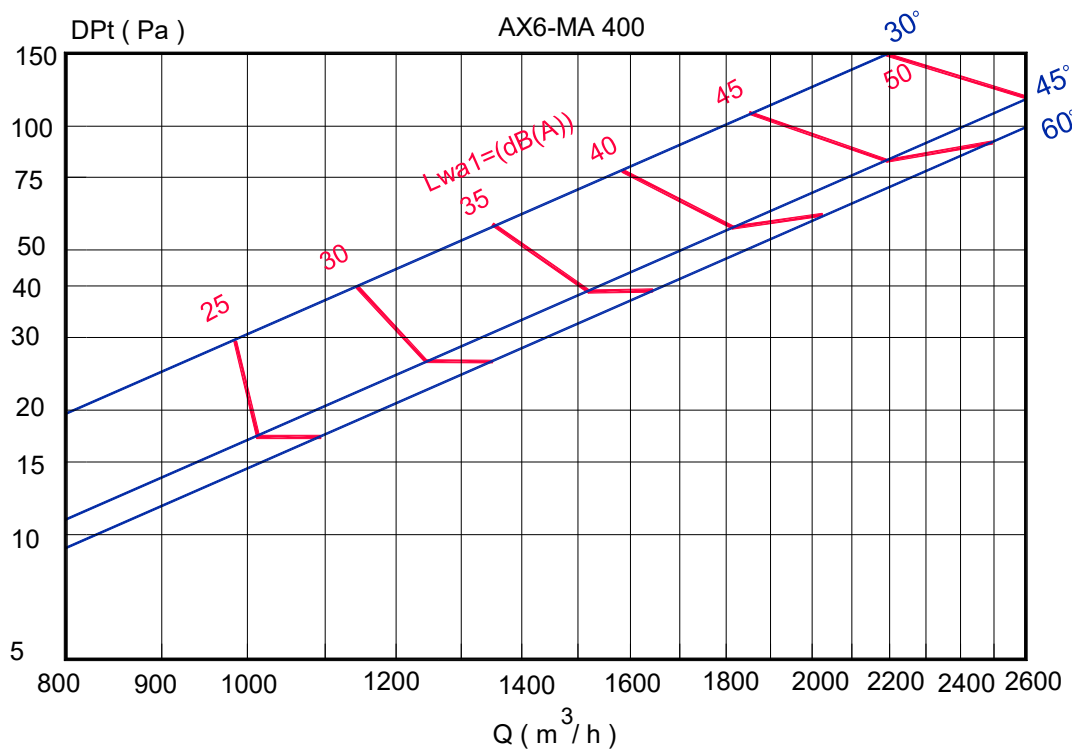
AX6



PRESSURE LOSS AND SOUND POWER LEVEL.



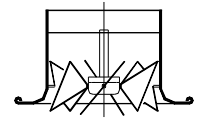
PRESSURE LOSS AND SOUND POWER LEVEL.



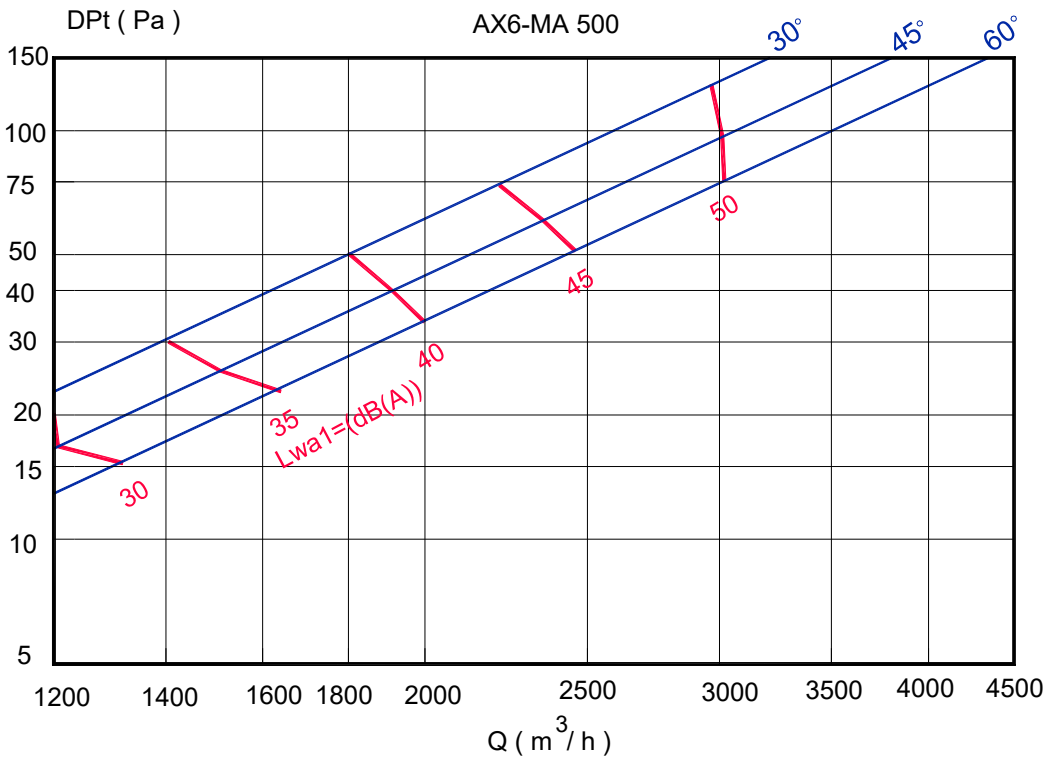
Note: In MaelMedia Octava band centre frequency in Hz.



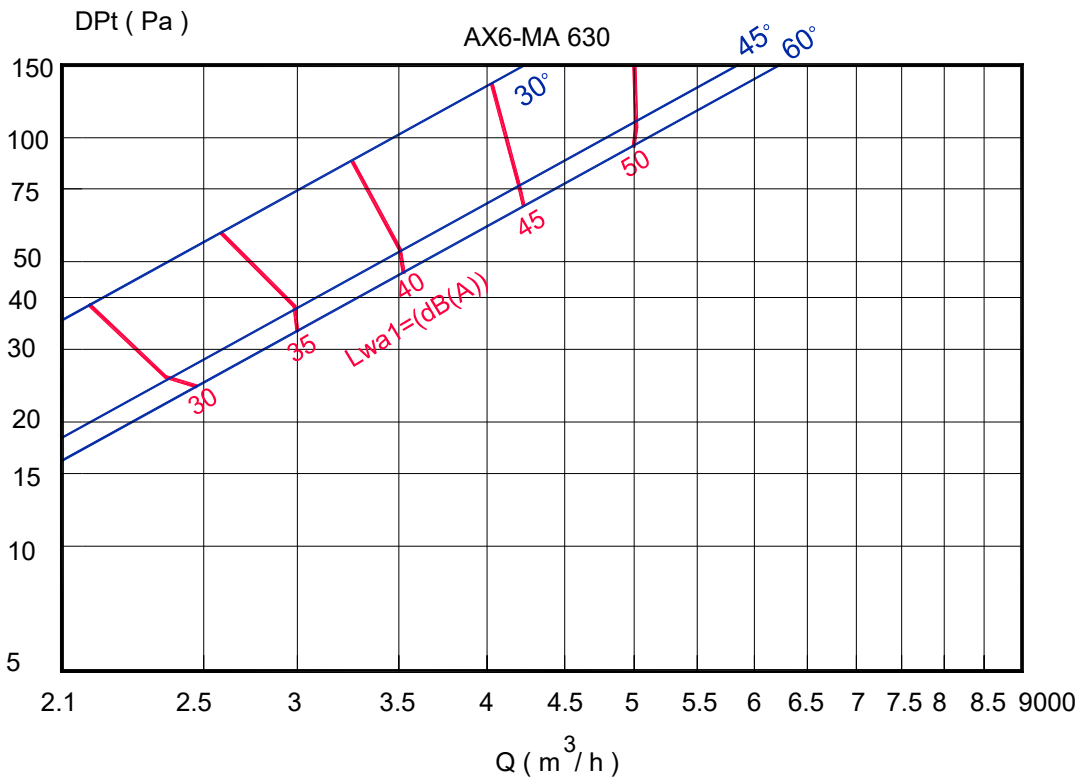
AX6



PRESSURE LOSS AND SOUND POWER LEVEL.

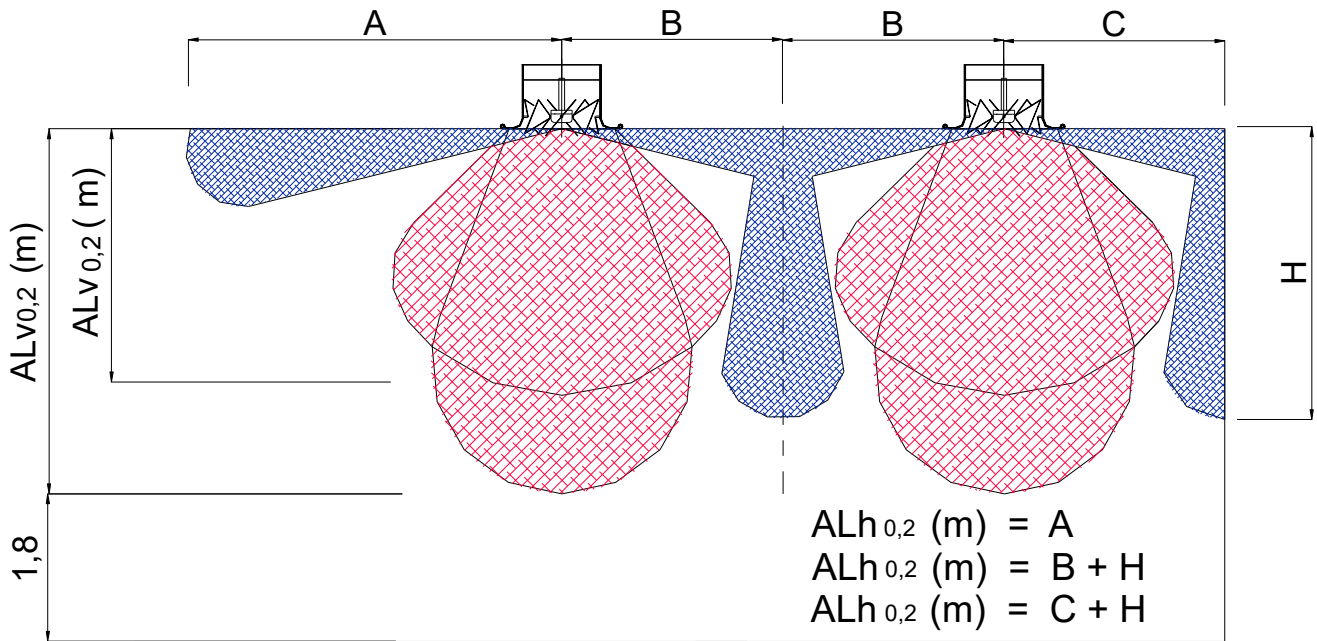


PRESSURE LOSS AND SOUND POWER LEVEL.



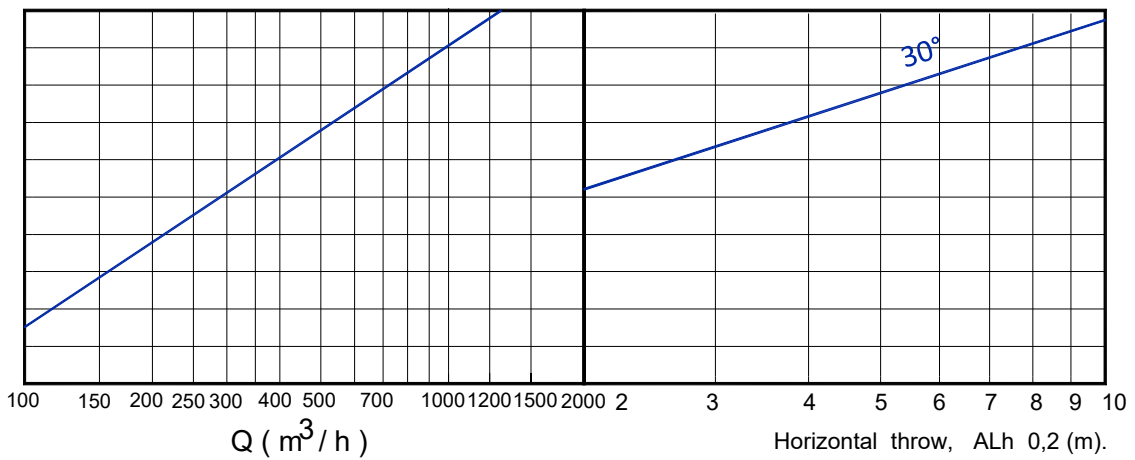
Note: In MadelMedia Octava band centre frequency in Hz.

AX6



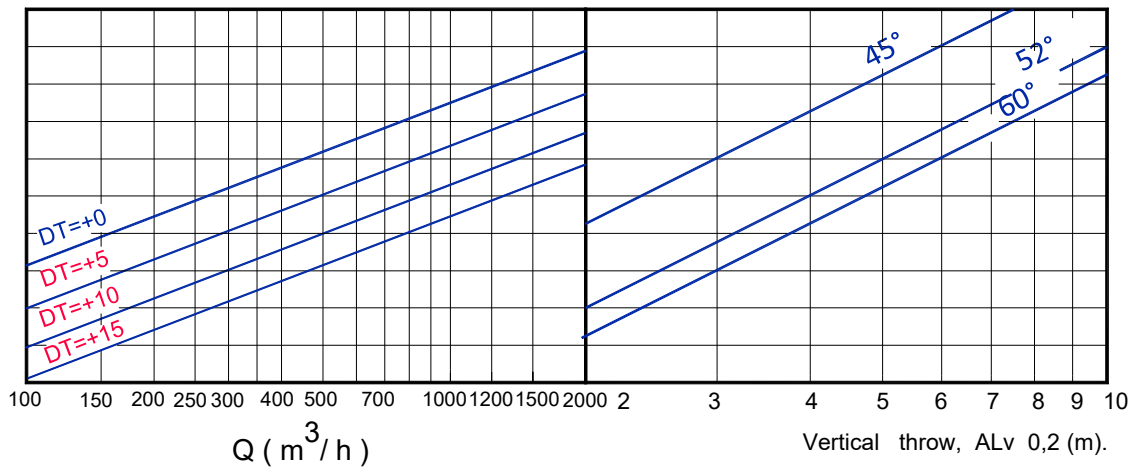
ISOTHERM TRHOW.

AX6 250



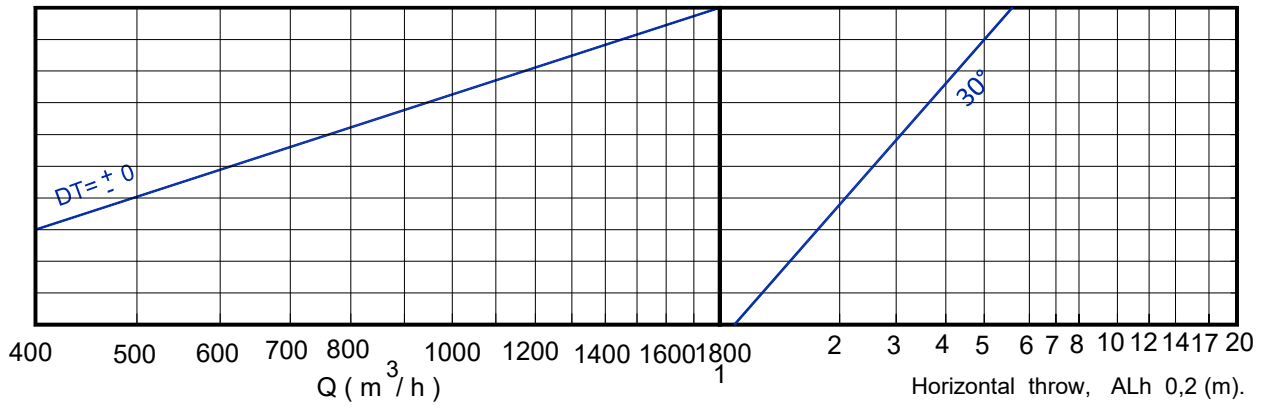
MAXIMUM VERTICAL DEPTH IN HEATING.

AX6 250



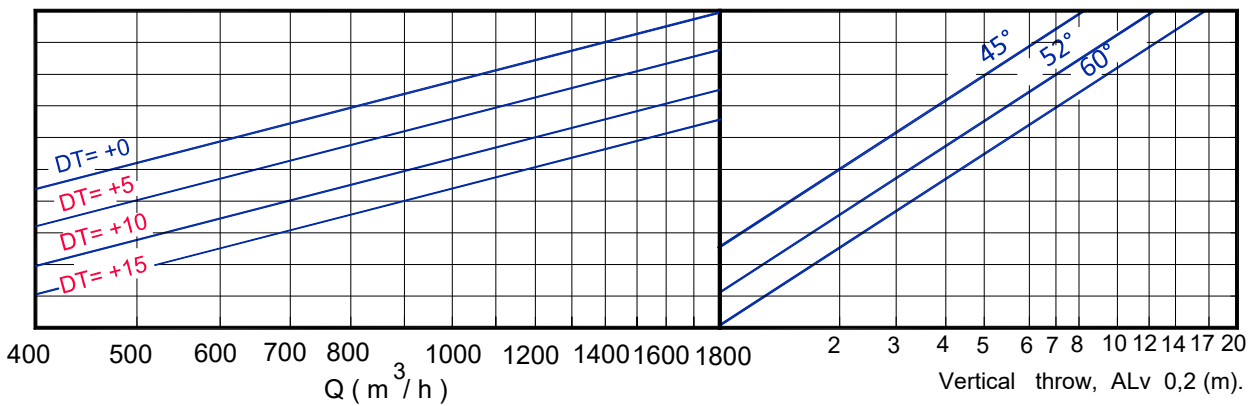
AX6 ISOTHERM TRHOW.

AX6 315



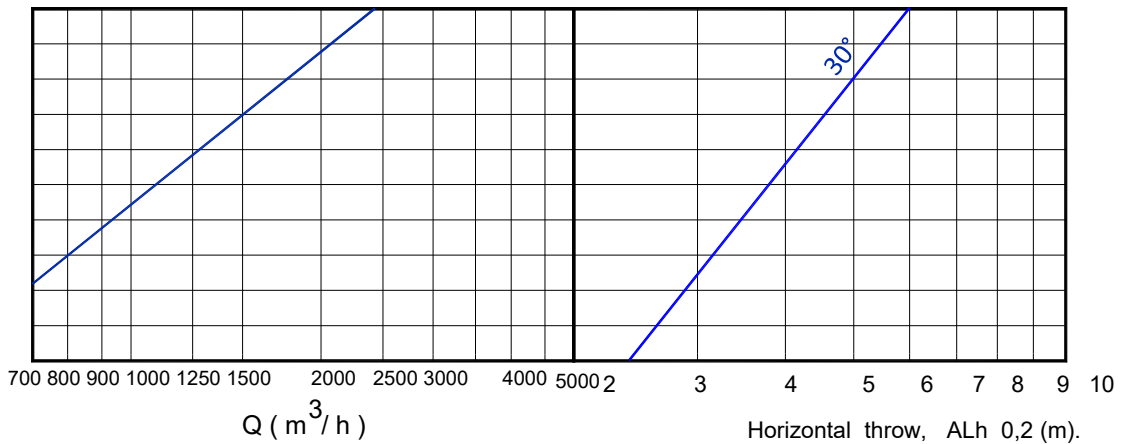
MAXIMUM VERTICAL DEPTH IN HEATING.

AX6 315



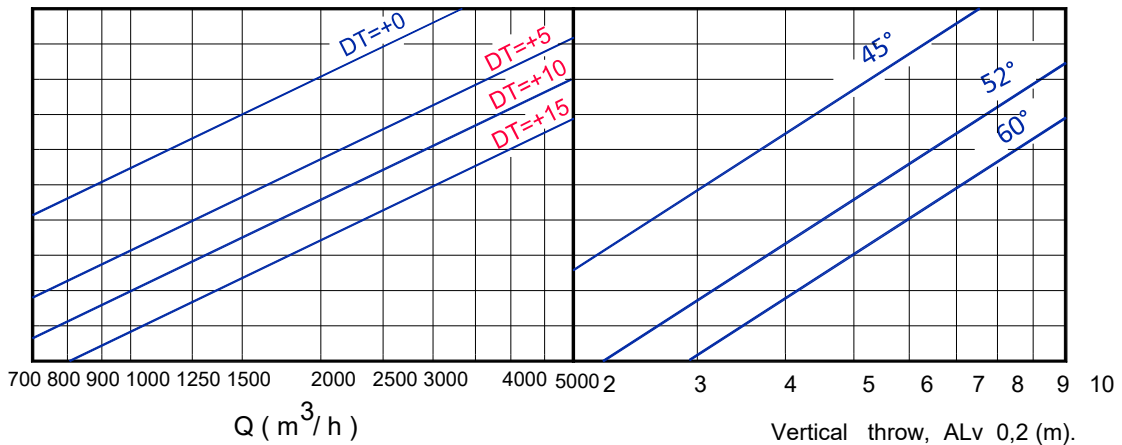
ISOTHERM TRHOW.

AX6 400



MAXIMUM VERTICAL DEPTH IN HEATING.

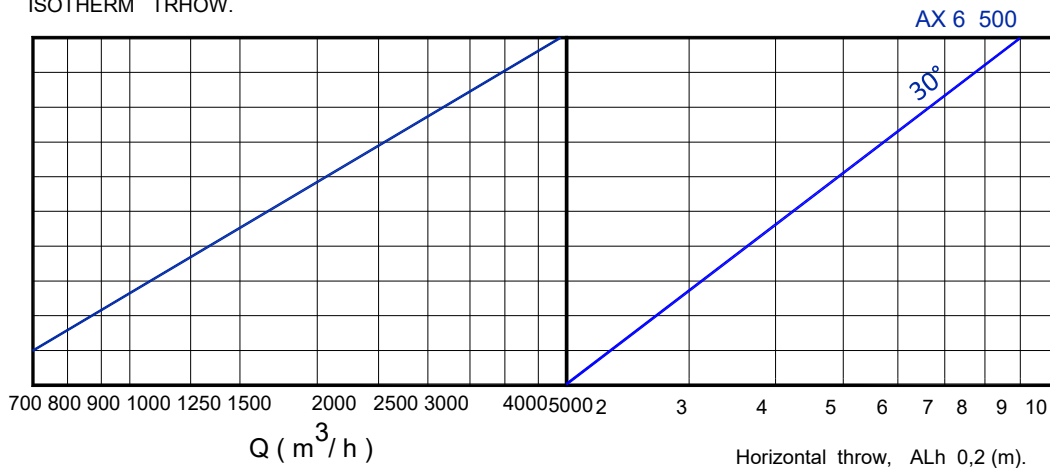
DCG 400



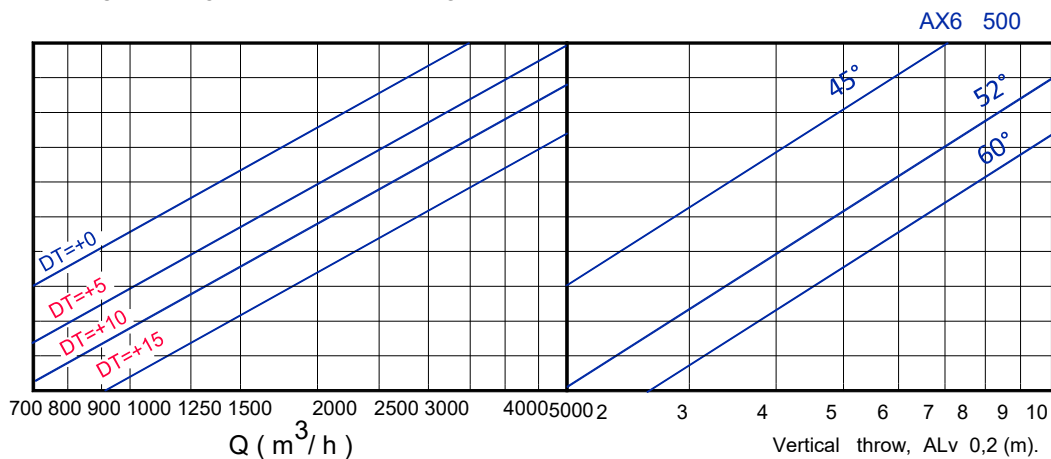


AX6

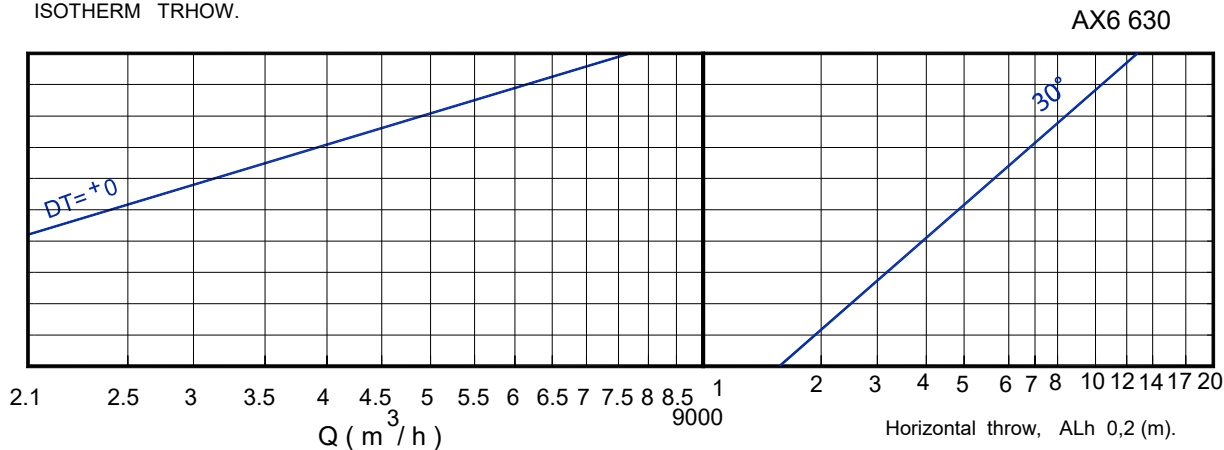
ISOTHERM TRHOW.



MAXIMUM VERTICAL DEPTH IN HEATING.



ISOTHERM TRHOW.



MAXIMUM VERTICAL DEPTH IN HEATING.

