

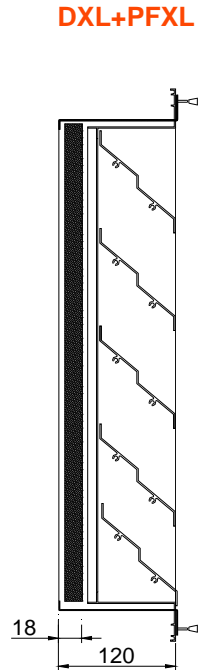
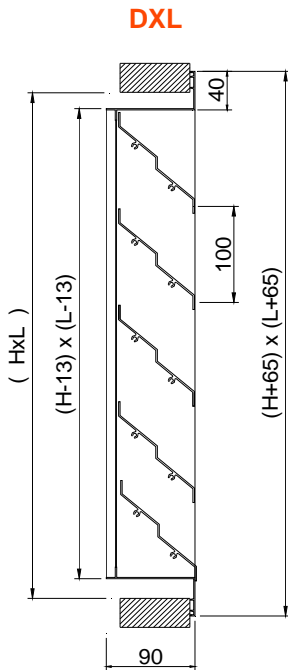


DXL external grilles – blade 100

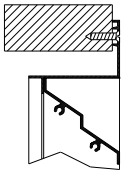


MADEL®

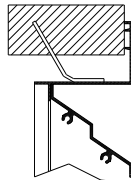
The **DXL** series grilles are designed to take in air from the exterior or to expel used air. The fixed blades, 100 mm pitch, are designed to prevent rain penetration. They are very strongly built and resistant to aggressive climatic conditions, for outdoor installation.



(T)



(P)



CLASSIFICATION

DXL Grille with galvanised mesh and blades parallels to L size.

EXL Grille with galvanised mesh and blades parallels to H size.

MATERIAL

Extruded aluminium grille. These grilles have a galvanised mesh of 13x13 fixed to the grille.

ACCESSORIES

PFXL Filter box made of galvanised steel, with mesh and filter included (K/8 efficiency EN 779 G3). The grille is held in place by threaded knobs.

CXL Mounting frame in galvanised steel. It includes sidepieces.

FIXING SYSTEMS

(T) Visible screws. Mounting frame CXL is recommended.

(P) Sidepiece to fix in place.

FINISHES

NAT Natural aluminium no anodised.

AA Matt silver anodised.

M9016 Painted in white similar to RAL 9016.

R9010 Painted in white RAL 9010.

RAL... Painted in other RAL colours.

SPECIFICATION TEXT

Supply and mounting of external use grille with galvanised mesh and 100 mm blades parallels to the largest side series **DXL (T) NAT dim. LxH**, constructed from aluminium and anodised in natural finish **NAT**, visible fixing by screws **(T)**. Manufacturer **MADEL**.

DXL

FREE FACE AREA (m2).

H \ L	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	n
300	0,049	0,066	0,083	0,1	0,117	0,134	0,151	0,168	0,185	0,202	0,236	0,27	0,304	0,338	3
400	0,073	0,099	0,124	0,15	0,175	0,201	0,226	0,252	0,277	0,303	0,354	0,405	0,456	0,507	4
500	0,098	0,132	0,166	0,2	0,233	0,268	0,302	0,336	0,37	0,404	0,472	0,54	0,608	0,676	5
600	0,122	0,164	0,207	0,249	0,292	0,334	0,377	0,419	0,462	0,504	0,589	0,674	0,759	0,844	6
700	0,146	0,197	0,248	0,299	0,35	0,401	0,452	0,503	0,554	0,605	0,707	0,809	0,911	1,013	7
800	0,171	0,23	0,29	0,349	0,41	0,468	0,528	0,587	0,647	0,706	0,825	0,944	1,063	1,182	8
900	0,195	0,263	0,331	0,399	0,467	0,535	0,603	0,671	0,739	0,807	0,943	1,079	1,215	1,351	9
1000	0,22	0,296	0,373	0,449	0,525	0,602	0,679	0,755	0,832	0,908	1,061	1,214	1,367	1,52	10
1100	0,244	0,329	0,414	0,499	0,584	0,669	0,754	0,839	0,924	1,009	1,179	1,349	1,519	1,689	11
1200	0,268	0,362	0,455	0,549	0,642	0,736	0,829	0,923	1,016	1,11	1,297	1,484	1,671	1,858	12
1300	0,293	0,395	0,497	0,599	0,700	0,803	0,905	1,007	1,109	1,211	1,415	1,619	1,823	2,027	13
1400	0,317	0,428	0,538	0,649	0,759	0,87	0,98	1,091	1,201	1,312	1,533	1,754	1,975	2,196	14
1500	0,342	0,461	0,58	0,699	0,817	0,937	1,056	1,175	1,294	1,413	1,651	1,889	2,127	2,365	15
1600	0,336	0,493	0,621	0,748	0,875	1,003	1,131	1,258	1,386	1,513	1,768	2,023	2,278	2,533	16
1700	0,39	0,526	0,662	0,798	0,934	1,07	1,206	1,342	1,478	1,614	1,886	2,158	2,43	2,702	17
1800	0,415	0,559	0,704	0,848	0,992	1,137	1,282	1,426	1,571	1,715	2,004	2,293	2,582	2,871	18
1900	0,439	0,592	0,745	0,898	1,051	1,204	1,357	1,51	1,663	1,816	2,122	2,428	2,734	3,04	19
2000	0,464	0,625	0,787	0,948	1,109	1,271	1,433	0,594	1,756	1,917	2,24	2,563	2,886	3,209	20

$$A \text{ free (m}^2) = \frac{[(L \text{ (mm)} - 13)] * [85 * (n-1)]}{1.000.000}$$

$$V \text{ f (m/s)} = \frac{Q \text{ (m}^3/\text{h)}}{A \text{ free (m)} * 3600}$$

$$V \text{ f (m/s)} = \frac{Q \text{ (l/s)}}{A \text{ free (m)} * 1000}$$

n = BLADES

DXL

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL.

RECOMMENDED VELOCITY.

Vmin m/s	Vmax m/s
2,5	4,5

CORRECTION FACTOR FOR Lwa1.

Afree m2	0,1	0,25	0,5	1	1,6	3
Lwa1(kf)	-10	-6	-3	1	+2	+5

Weighted noise level related to
Afree = 1 m2.

