

Swirl Diffusers

Type 'VDL'

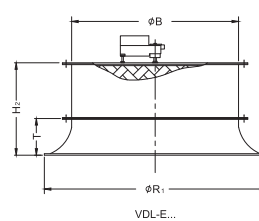
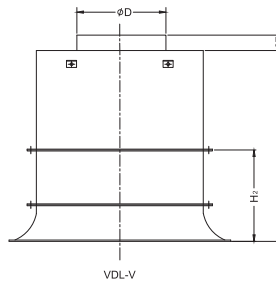
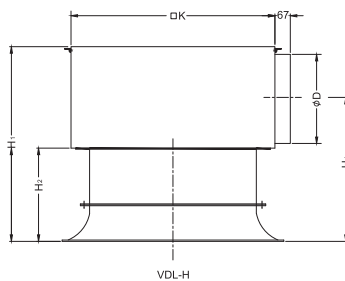
KEY FEATURES:

- Manually or automatically adjustable discharge angle.
- Suitable for cooling and heating application.
- Suitable for mounting height greater than 3.8 m high.
- Can be supplied with plenum box with either top or side entry spigot.
- Powder coating as standard finish in RAL 9010 matt white.

Type 'VDL-H'



Size	B	D	D _L	H ₁	H ₂	H ₃	H ₄	K	R ₁	R ₂	T	n
315	318.5	248	368	483	203	425	342.5	435	464	382	63	6
400	403.5	313	450	603	238	534	420.5	500	567	464	80	6
630	633.5	398	690	848	383	748	615.5	750	871	708	125	6
800	803.5	498	853	1133	568	998	850.5	1000	1077	871	160	12



Diffuser layout

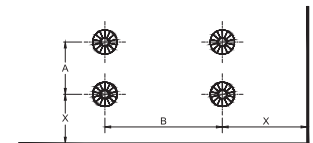
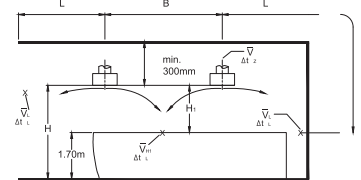


Table 1: Quick Selection for 'VDL-H' (without continuous ceiling)

Size	L _{WA} in dB(A)	Flow (l/s)	ΔP (Pa)	Cooling Mode only				L (m)	LWNC
				A _{min}	H ₁	A _{max}	H ₁		
315	43	140	35	2.0	2.0	-	-	3.5	NC 35
	47	160	47	2.0	2.2	2.3	2.0	3.8	NC 40
400	41	230	28	2.0	2.5	2.3	2.0	4.0	NC 35
	47	280	38	2.0	3.0	2.8	2.0	4.8	NC 40
630	41	400	26	2.0	3.1	3.2	2.0	5.0	NC 35
	46	480	34	2.0	4.0	3.8	2.0	6.0	NC 40
800	41	510	25	2.0	4.0	3.5	2.0	5.8	NC 35
	46	600	31	2.0	5.0	4.0	2.0	6.5	NC 40

Order Code

VDL-V-0 / 630 / P1 / RAL 9006

Type

VDL-V - With top inlet
VDL-H - With side inlet

Rear Assemblies

0 - Face only.
E1 - 220V; 50 Hz Two position control.
E2 - 24V; 50 Hz Two position control.
E3 - 24V; 0 to 10 V for proportional control.

Diffuser size
315; 400; 630;
800.

State RAL colour for 'P1' when non-standard colour is required.

Finish

Powder coating
0 - Standard matt White in RAL 9010
P1 - Special colour

Note: For further details, please refer to TROX KLIMA Asia Pacific catalogue Ref. M2.2/9/EN/--.