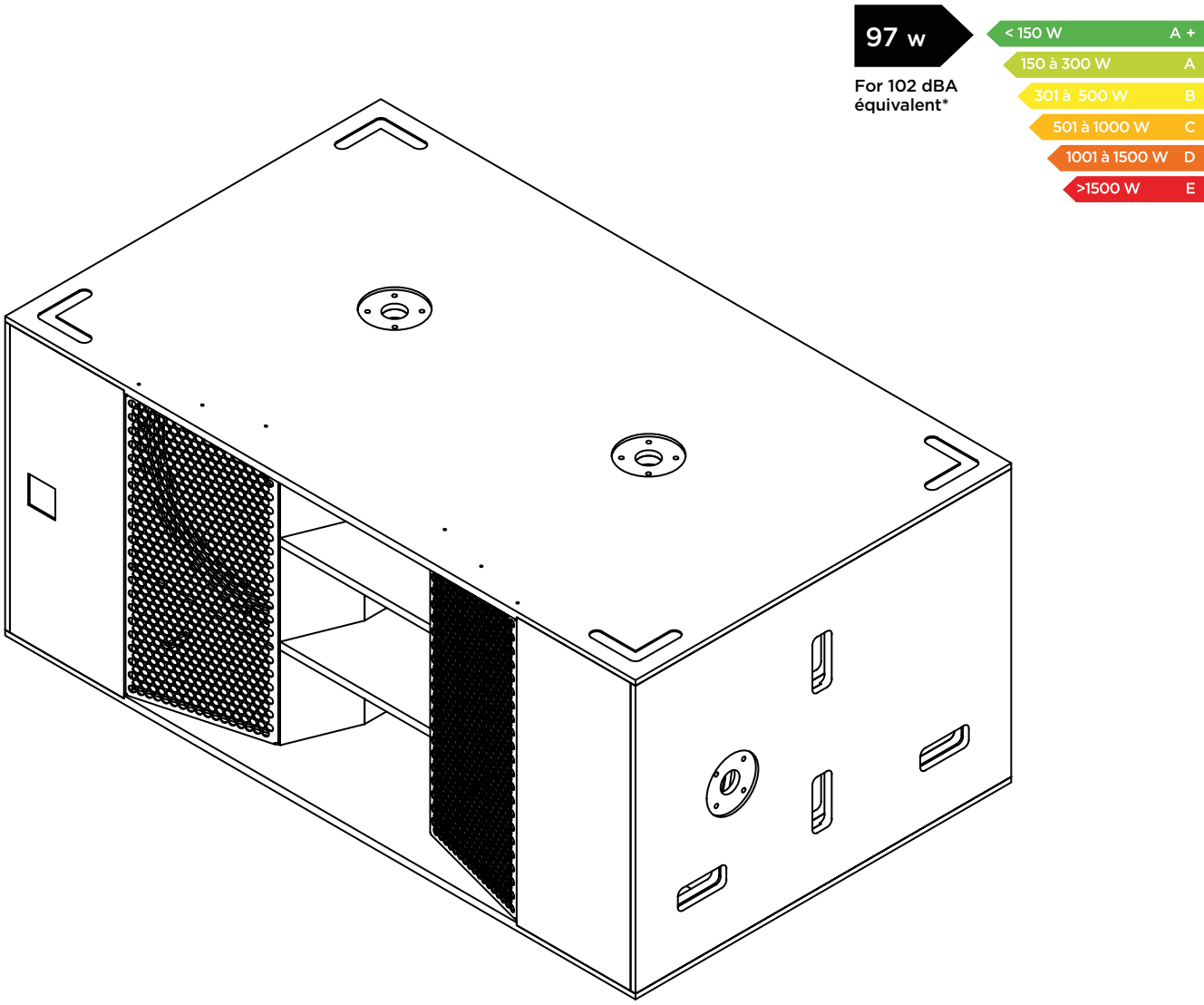
Pikip
SOLAR
SPEAKERS

QUALITÉ ACOUSTIQUE.
INDÉPENDANCE ÉNERGÉTIQUE.

SUBWOOFER **VTL218**

DATASHEET



VTL218

PROFILED VENT | **VERY HIGH EFFICIENCY** | **MEDIUM THROW**

HIGH-EFFICIENCY SUBWOOFER
Hybrid Band-Pass Load.

LOW AIR VELOCITY
Maintains efficiency at high levels

DESIGNED FOR TOURING
Easy to handle

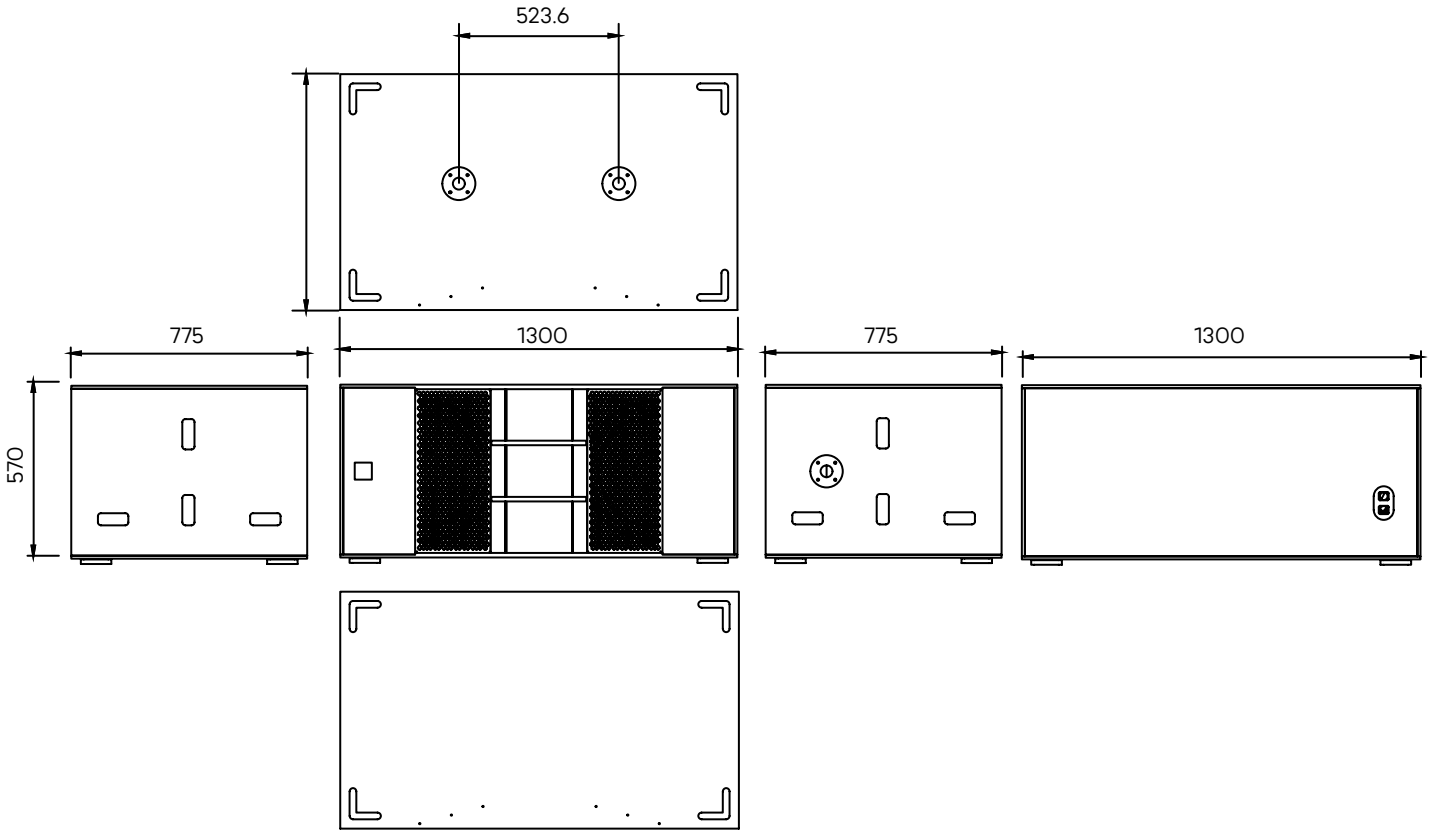
PSEUDO-OMNIDIRECTIONAL
Facilitates cardioid setups

FEATURES

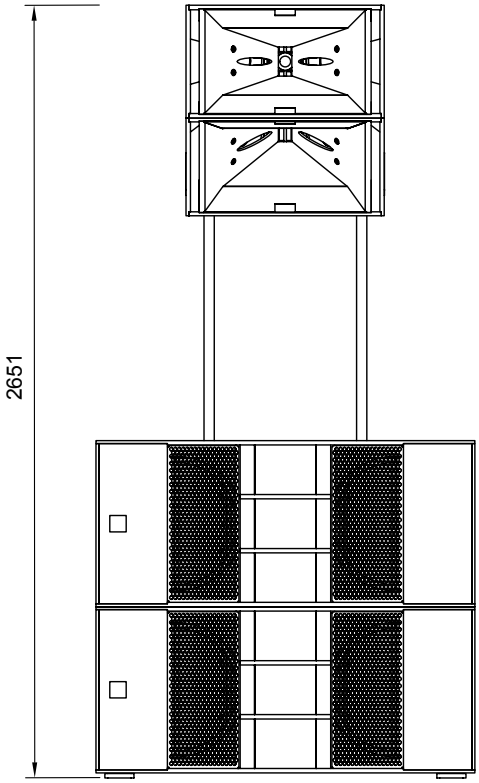
The VTL218 is PikiP's new dual 18-inch subwoofer. Its hybrid resonator loading system delivers unmatched efficiency across an extended frequency range, from 37 to 250 Hz [97 W at 102 dBA equivalent].
The resonators have been optimized using finite element modeling to reduce air velocity and maintain linearity even at high output levels. The 35 mm pole mounts make it perfectly compatible with the VCH30 module, whether in vertical or horizontal configuration. Its pseudo-omnidirectional dispersion facilitates cardioid setups.
Speakon connectors allow power supply via a 4-core cable or two 2-core cables..

- Low-frequency reinforcement speaker
- Bi-amped (4-pin Speakon) or mono-amped (2-pin Speakon)
- Radial assembly and cardioid mounting
- 15 mm reinforced birch plywood
- Semi-matte textured coating
- One-piece handles / M20 pole socket / Epoxy steel grille / Rubber feet and anti-slip inserts

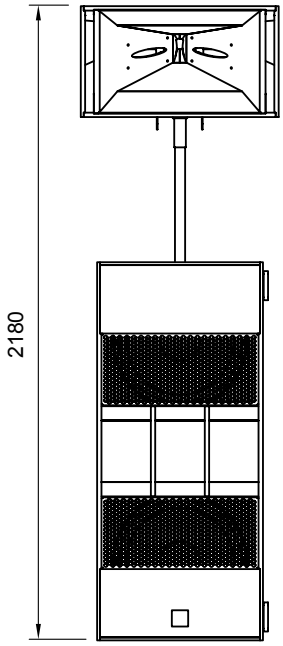
TYPE	Hybrid Resonator Dual Subwoofer
TRANSDUCERS	2 x HP 18'' - 77 mm voice coil - neodymium - waterproof membrane
FREQUENCY RESPONSE	37-250 Hz (+/-3 dB)
CONTINUOUS POWER HANDLING	2800 W (nominal program power capacity + 3 dB)
ACOUSTIC EFFICIENCY	97 W (for 102 dBA equivalent*)
SENSITIVITY	106 dB (at 1 W constant, 1 m) 108 dB (at 2 V constant, 1 m)
MAX SPL	137 dB SPL (@1 m, pink noise 6 dB crest factor)
IMPEDANCE	2 x 8 ohms bi-amplifié ou 4 ohms mono amplifié
DIMENSIONS (LXPXH)mm	1300x570x775
WEIGHT	87 kg



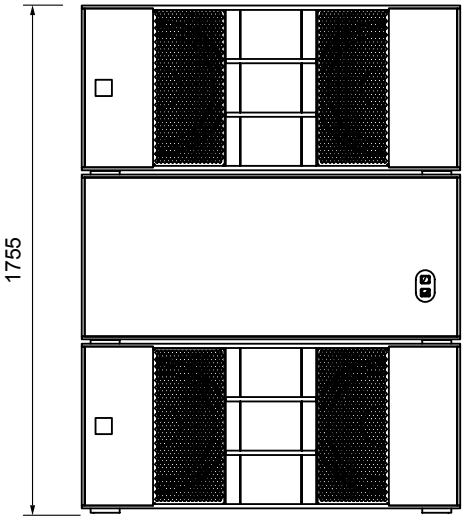
COMPATIBILITY



2 VTL218
+ 2 VCH30



1 VTL218
+ 1 VCH30



3 VTL218
VERSION CARDIO

ACOUSTIC EFFICIENCY LABEL

*The figure given represents the electrical power dissipated by the speaker to generate over its bandwidth a sound level equivalent to 102 dBA with a pink noise input. For calculation purposes, the speaker is considered being part of an equalized sysytem with absolutely flat response from 20 Hz to 20 kHz.

The calculation method is linear and does not take into account high power non-linear phenomena. Calculation details are available in the paper Quantifying Loudspeakers' Power Consumption, published in the AES journal (July/August 2022, Vol 70 no 7/8).