



TYPE-S SUBWOOFER APPLICATION GUIDE GUIDE D' APPLICATION

SWS-1241

12 Inch Subwoofer for Sealed or Vented Enclosure (4 Ω)
Haut-parleur de sous-graves de 12 pouces (30 cm)
pour boîtier étanche (4 Ω)

SWS-1241D

12 Inch Subwoofer for Sealed or Vented Enclosure (4 Ω) + (4 Ω)
Haut-parleur de sous-graves de 12 pouces (30 cm)
pour boîtier étanche (4 Ω) + (4 Ω)

SWS-1041

10 Inch Subwoofer for Sealed or Vented Enclosure (4 Ω)
Haut-parleur de sous-graves de 10 pouces (25 cm)
pour boîtier étanche (4 Ω)

SWS-1041D

10 Inch Subwoofer for Sealed or Vented Enclosure (4 Ω) + (4 Ω)
Haut-parleur de sous-graves de 10 pouces (25 cm)
pour boîtier étanche (4 Ω) + (4 Ω)

● SPECIFICATIONS

Model	SWS-1241	SWS-1241D	SWS-1041	SWS-1041D
Size	12"	12"	10"	10"
Impedance	4Ω	4Ω+4Ω	4Ω	4Ω+4Ω
Power Handling (RMS/Peak)	200W/600W	200W/600W	200W/600W	200W/600W
Frequency Response	Fs~1kHz	Fs~1kHz	Fs~1kHz	Fs~1kHz
Sensitivity*	89dB	89dB	87dB	87dB
DC Coil Resistance (Re)	3.6 Ω	3.6 Ω + 3.6 Ω	3.6 Ω	3.6 Ω + 3.6 Ω
Inductance (Le) 1kHz/20kHz	1.85mH/0.65mH	2.89mH/1.09mH	1.95mH/0.69mH	3.28mH/1.19mH
Free Air Resonance (Fs)	30Hz	31Hz	33Hz	34Hz
Equivalent Stiffness (Vas)	65L	65L	34L	34L
Qms/Qes/Qts	9.26/0.60/0.57	8.98/0.72/0.67	9.57/0.65/0.61	9.36/0.73/0.68
X max / X peak	11.3mm/22.6mm	13.5mm/27mm	11.3mm/22.6mm	13.5mm/27mm
Mechanical Excursion (P-P)	42mm	42mm	40mm	40mm
Gap/Coil Height (Hag/Hvc)	10mm/32.6mm	10mm/37mm	10mm/32.6mm	10mm/37mm
Cone Area (Sd)	490.87 cm ²	490.87 cm ²	339.79 cm ²	339.79 cm ²
Diaphragm Material	Kevlar Reinforced Pulp	Kevlar Reinforced Pulp	Kevlar Reinforced Pulp	Kevlar Reinforced Pulp
Spider Material	Nomex	Nomex	Nomex	Nomex
Magnet Weight	64oz	64oz	44.8oz	44.8oz
Voice Coil Diameter	38mm	38mm	38mm	38mm
Displacement (front mount)**	0.095 ft ³	0.095 ft ³	0.067 ft ³	0.067 ft ³
Displacement (rear mount)	0.123 ft ³	0.123 ft ³	0.086 ft ³	0.086 ft ³
Added Volume (reverse mount)**	0.0843 ft ³	0.0843 ft ³	0.056 ft ³	0.056 ft ³
Recommended Sealed Box Volume	0.8~1.7 ft ³	0.8~1.7 ft ³	0.6~1.25 ft ³	0.6~1.25 ft ³

* This commonly misunderstood specification should not be used as a reference for subwoofer output capability.

** Based upon 3/4" (~20mm) baffle thickness, with opening cut to gasket inner diameter

Notes: Thiel-Small parameters were measured and averaged after break-in.

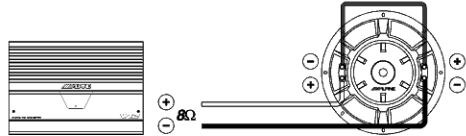
Various measurement techniques may produce different but equally valid results.

All specifications are subject to change without notice

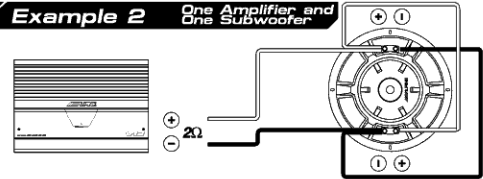
● SPECIFICATIONS

Model	SWS-1241	SWS-1241D	SWS-1041	SWS-1041D
Dimensions	12"	12"	10"	10"
Impedance	4Ω	4Ω+4Ω	4Ω	4Ω+4Ω
Puissance (RMS/Peak)	200W/600W	200W/600W	200W/600W	200W/600W
Réponse en fréquence	Fs~1kHz	Fs~1kHz	Fs~1kHz	Fs~1kHz
Sensibilité	89dB	89dB	87dB	87dB
Résistance en continu (Re)	3.6 Ω	3.6 Ω + 3.6 Ω	3.6 Ω	3.6 Ω + 3.6 Ω
Inductance (Le) 1kHz/20kHz	1.85mH/0.65mH	2.89mH/1.09mH	1.95mH/0.69mH	3.28mH/1.19mH
Fréquence de résonance (Fs)	30Hz	31Hz	33Hz	34Hz
Raideur equivalente (Vas)	65L	65L	34L	34L
Qms/Qes/Qts	9.26/0.60/0.57	8.98/0.72/0.67	9.57/0.65/0.61	9.36/0.73/0.68
X max / X crête	11.3mm/22.6mm	13.5mm/27mm	11.3mm/22.6mm	13.5mm/27mm
Excursion mécanique (P-P)	42mm	42mm	40mm	40mm
Largeur Entrefer/Bobine (Hag/Hvc)	10mm/32.6mm	10mm/37mm	10mm/32.6mm	10mm/37mm
Surface de cône (Sd)	490.87 cm ²	490.87 cm ²	339.79 cm ²	339.79 cm ²
Membrane	Kevlar renforcé	Kevlar renforcé	Kevlar renforcé	Kevlar renforcé
Suspension	Nomex	Nomex	Nomex	Nomex
Poids de l'aimant	64oz	64oz	44.8oz	44.8oz
Diamètre de bobine	38mm	38mm	38mm	38mm
Displacement (en avant)	0.095 ft ³	0.095 ft ³	0.067 ft ³	0.067 ft ³
Displacement (en arrière)	0.123 ft ³	0.123 ft ³	0.086 ft ³	0.086 ft ³
Volume en plus (en renverse)	0.0843 ft ³	0.0843 ft ³	0.056 ft ³	0.056 ft ³
Volume de charge recommandé	0.8~1.7 ft ³	0.8~1.7 ft ³	0.6~1.25 ft ³	0.6~1.25 ft ³

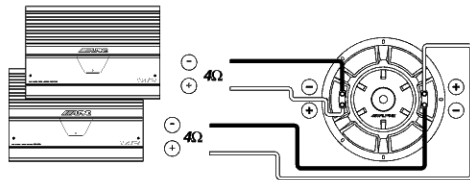
Example 1 One Amplifier and One Subwoofer



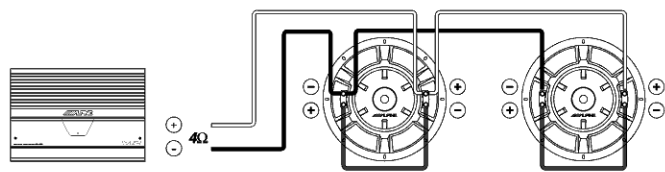
Example 2 One Amplifier and One Subwoofer



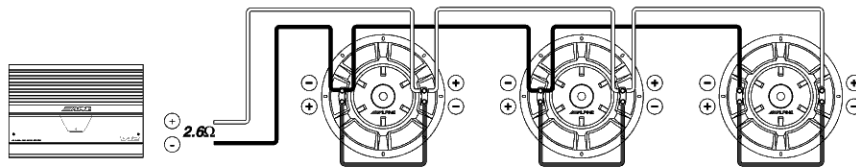
Example 3 Two Amplifiers and One Subwoofer



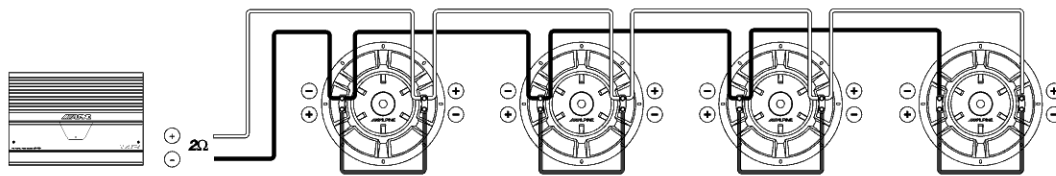
Example 4 One Amplifier and Two Subwoofers



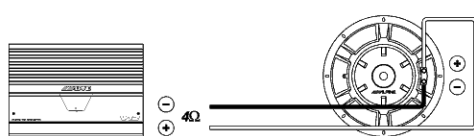
Example 5 One Amplifier and Three Subwoofers



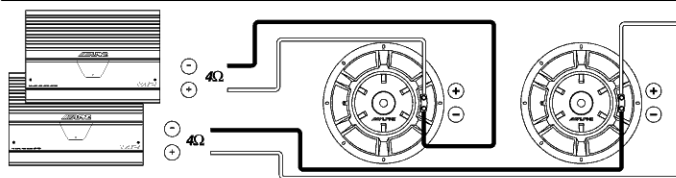
Example 6 One Amplifier and Four Subwoofers



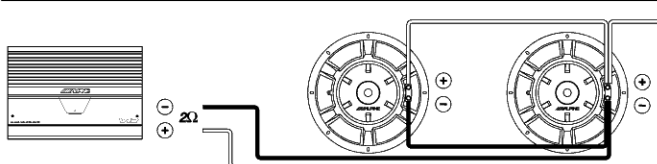
Example 1 One Amplifier and One Subwoofer



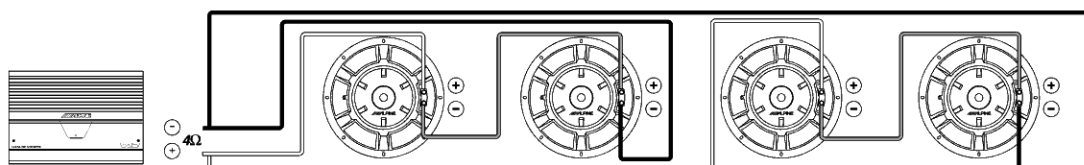
Example 2 Two Amplifiers and Two Subwoofers

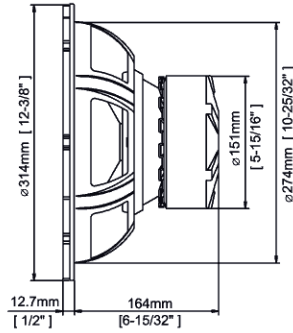
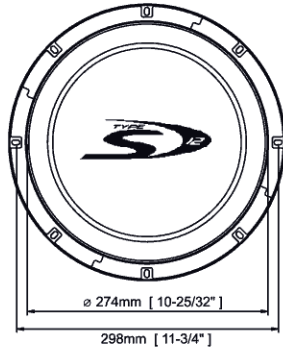


Example 3 One Amplifier and Two Subwoofers

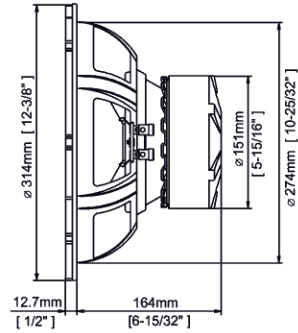


Example 4 One Amplifier and Four Subwoofers

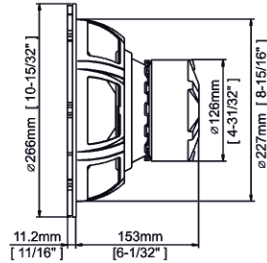
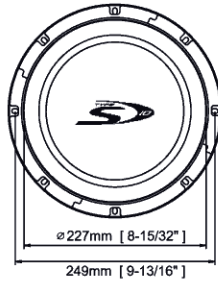




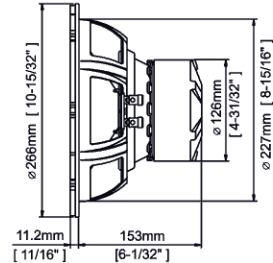
SWS-1241



SWS-1241D



SWS-1041



SWS-1041D



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