

RADION X--ION HELON

HIGH PERFORMANCE SUBWOOFERS

CARATTERISTICHE TECNICHE - APPLICAZIONI

DANNI ALL'UDITO - L'esposizione eccessiva e continuata a pressioni sonore superiori ad 85 dB, può causare perdita dell'udito. I Subwoofer AudioSystem sono in grado di produrre e superare 85 dB di pressione sonora.

VOLUME ED ATTENZIONE DEL GUIDATORE - Il suono riprodotto dai Subwoofer Audiosystem può ridurre la possibilità di percepire i rumori ed segnali del traffico, può quindi costituire un rischio durante la guida. Si raccomanda l'ascolto a bassi volumi quando il veicolo è in movimento. Audiosystem non si ritiene responsabile dei danni dovuti all'uso improprio dei prodotti: perdita di udito, danni personali, danni alla proprietà ecc.

APPLICAZIONI - I Subwoofer della serie **RADION** e **X--ION DVC** sono stati progettati per durare a lungo ed per offrire il massimo delle prestazioni in casse acustiche **Bass-reflex (accordate)**. Per ottenere risultati migliori con casse **Bass-reflex**, raccomandato il rivestimento delle pareti interne con assorbente acustico del tipo fibra di vetro, spesso circa 3cm. E' necessario: evitare l'ostruzione del condotto di accordo, mantenere almeno 10cm di spazio vuoto attorno alle estremità del condotto (sia all'interno, sia all'esterno della cassa). I Subwoofer della serie **X--ION** sono stati progettati per durare a lungo ed per offrire il massimo delle prestazioni in casse acustiche a **Sospensione pneumatica (chiuse)**. I Subwoofer della serie **HELON** sono stati progettati per l'impiego in sistemi SPL da competizione, l'utilizzo è consentito sia in casse acustiche a **Sospensione pneumatica (chiuse)** sia **Bass-reflex (accordate)**.

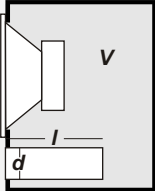
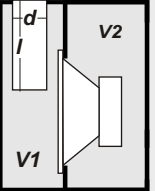
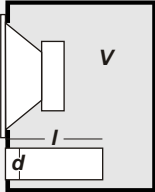
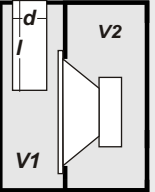
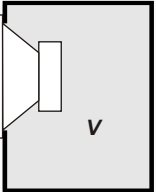
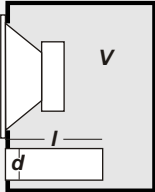
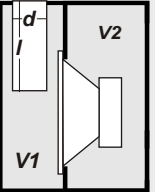
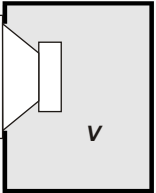
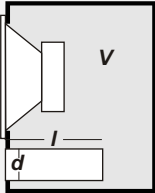
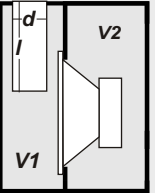
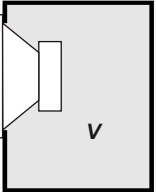
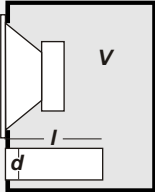
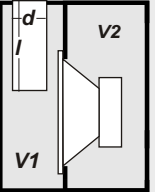
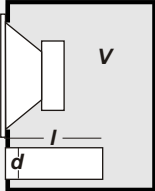
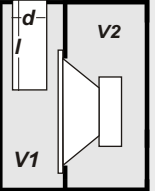
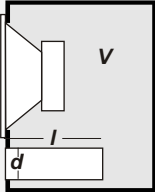
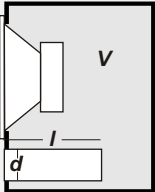
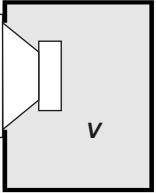
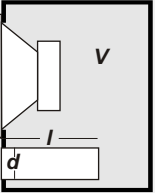
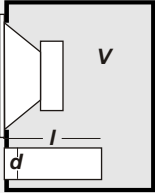
TECHNICAL SPECIFICATION - APPLICATIONS

HEARING DAMAGE - Continuous, excessive exposure to sound pressure levels in excess of 85 dB could cause a loss of hearing. Audiosystem subwoofers are capable of producing sound pressure levels greater than 85 dB.

VOLUME AND DRIVER AWARENESS - Use of Audiosystem subwoofers can impair your ability to hear necessary traffic sounds and may constitute a hazard while driving. We recommend using low volume levels when driving your vehicle. Audiosystem accepts no liability for hearing loss, bodily injury, or property damage as a result of use or misuse of this product.

APPLICATIONS - The **RADION** and the **X--ION DVC** series subwoofers are designed to be used in **bass-reflex (vented) enclosures** for optimum performance and long term reliability. For best results with bass-reflex enclosures we recommend lining all inside box walls with fiberglass or similar material of 3cm thickness. Always leave at least 10cm of unobstructed clearance at both ends of the port tube, between the inside walls of the enclosure and port entrance, and between the port exit and the vehicle interior. The **X--ION** series subwoofers are designed to be used in **sealed (closed) enclosures** for optimum performance and long term reliability. The **HELON** series subwoofers are especially designed to be used in high-pressure-level competition system, both **sealed (closed)** and/or **bass-reflex (vented) enclosures** are allowed.

T&S PARAMETERS		RADION		X--ION			X--ION _{DVC}		HELON	
		R-10	R-12	X-10	X-12	X-15	X-12DVC	X-15DVC	H-12SPL	H-15SPL
Rdc	Ohm	3,8	3,8	3,9	3,6	3,6	3,5	3,7	2x1,9	2x1,9
Qms	-	3,9	4,2	3,76	3,12	3,22	3,26	2,88	1,37	1,9
Qes	-	0,57	0,53	0,67	0,49	0,39	0,45	0,32	0,39	0,59
Qts	-	0,5	0,47	0,57	0,42	0,35	0,4	0,29	0,3	0,45
Fs	Hz	41	30,5	38	29	26	31	31	42	36
Vas	L	34	93	31	64	122	39	84	30	64
Mms	g	74	113	85	161,9	261	195	289	264	298
Cms	µm/N	200	240	200	180	140	106	87	52	66
BL	Tm	11,3	12	10,8	14,7	20,1	28	19,5	26	20,2
SPL	db	94,5	95,5	94	95	95,5	95	95,5	95	95
X-max	mm	6	7	9	14	15	15	15	25	25
RMS power	Watt	200	300	300	450	600	600	800	800	1000
Dynamic power	Watt	300	450	450	650	900	900	1200	1600	2000

	SEALED	BASS REFLEX	BANDPASS	
R-10		<p>V 28L d 7cm l 15cm f 45Hz</p> 	<p>V1 25L V2 18L d 10cm l 12cm f 65Hz</p> 	
R-12		<p>V 48L d 10cm l 20cm f 42Hz</p> 	<p>V1 40L V2 24L d 15cm l 26cm f 60Hz</p> 	
X-10	<p>V 20L f 56Hz</p> 	<p>V 35L d 10cm l 28cm f 40Hz</p> 	<p>V1 25L V2 15L d 12.5cm l 28cm f 60Hz</p> 	
X-12	<p>V 32L f 47Hz</p> 	<p>V 48L d 10cm l 28cm f 36Hz</p> 	<p>V1 40L V2 22L d 15cm l 26cm f 60Hz</p> 	
X-15	<p>V 60L f 42Hz</p> 	<p>V 85L d 15cm l 25cm f 35Hz</p> 	<p>V1 60L V2 35L d 19cm l 30cm f 57Hz</p> 	
X-12DVC		<p>V 45L d 10cm l 23cm f 40Hz</p> 	<p>V1 30L V2 18L d 12.5cm l 20cm f 57Hz</p> 	
X-15DVC		<p>V 80L d 15cm l 25cm f 40Hz</p> 		
HELON-12SPL		<p>V 60L d 10cm l 12cm f 45Hz</p> 		
HELON-15SPL	<p>V 45L f 48Hz</p> 	<p>V 95L d 15cm l 32cm f 35Hz</p> 	<p>V 120L d 15cm l 30cm f 32Hz</p> 	<p>V1 60L V2 55L d 20cm l 27cm f 60Hz</p> 