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HornResp Help File

Exporting Data

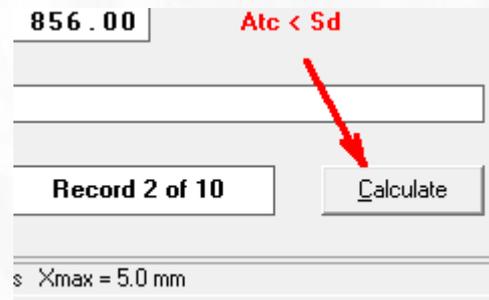
Use the Previous or Next button to select a particular record

Vrc	<input type="text" value="81.40"/>	Fr	<input type="text" value="100.00"/>	Vtc	<input type="text" value="3200.00"/>	CAUT
Lrc	<input type="text" value="16.00"/>	Tal	<input type="text" value="4.00"/>	Atc	<input type="text" value="856.00"/>	Atc <
Comment	<input type="text" value="Klipsch K-33 Parameters"/>					
<input type="button" value="Previous"/>	<input type="button" value="Next"/>	<input type="button" value="Edit"/>	<input type="button" value="Add"/>	<input type="button" value="Delete"/>	<input type="button" value="Record 2 of 10"/>	

Click the Edit button

Vrc	<input type="text" value="81.40"/>	Fr	<input type="text" value="100.00"/>	Vtc	
Lrc	<input type="text" value="16.00"/>	Tal	<input type="text" value="4.00"/>	Atc	
Comment	<input type="text" value="Klipsch K-33 Parameters"/>				
<input type="button" value="Previous"/>	<input type="button" value="Next"/>	<input type="button" value="Edit"/>	<input type="button" value="Add"/>	<input type="button" value="Delete"/>	
<small>Ang Pi / 2 steradians solid radiation angle (eighth space = corner)</small>					

Click the Calculate button.

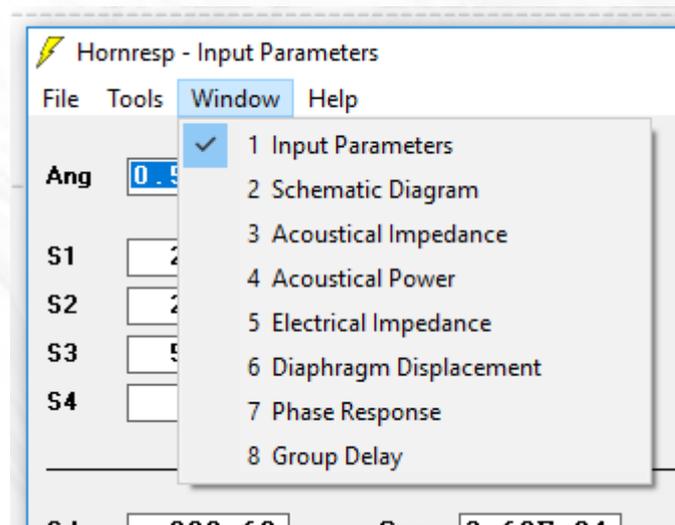


856.00 **Atc < Sd**

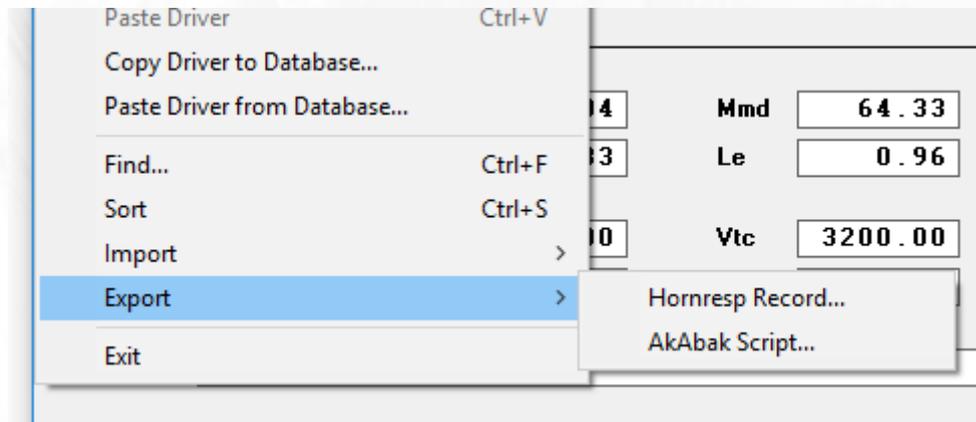
Record 2 of 10 Calculate

§ Xmax = 5.0 mm

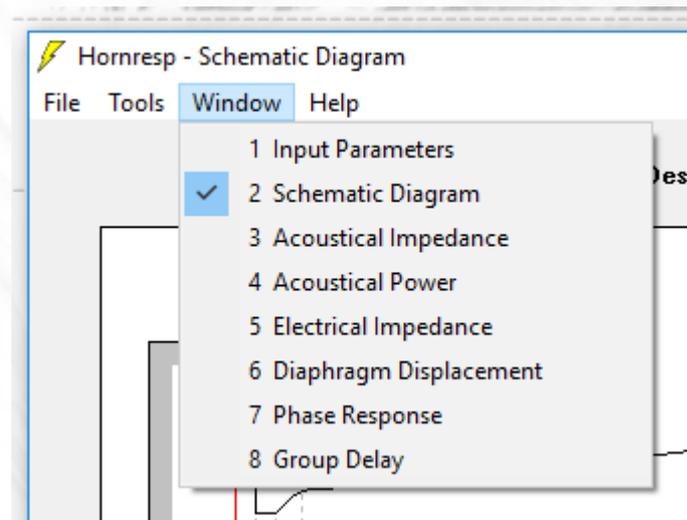
Now select one of the eight items listed below



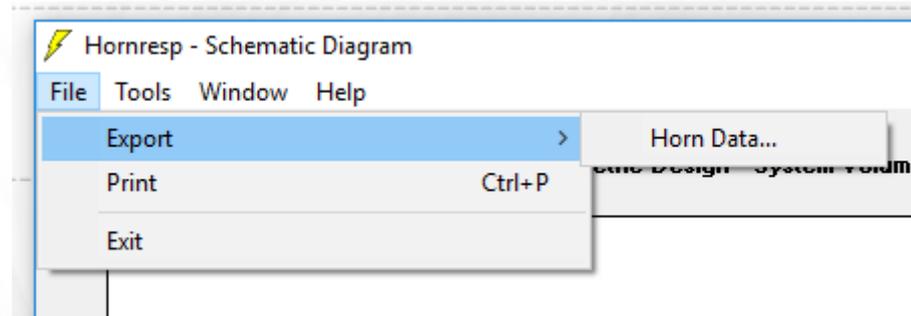
If Input Parameters was selected, then the Export options below are available.



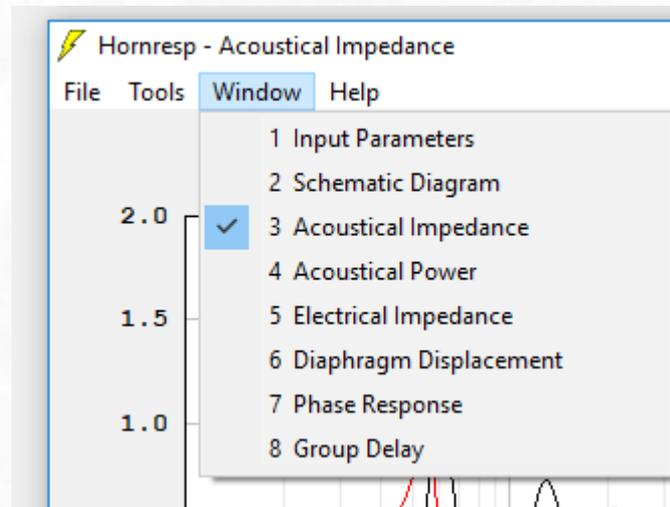
Select Schematic Diagram



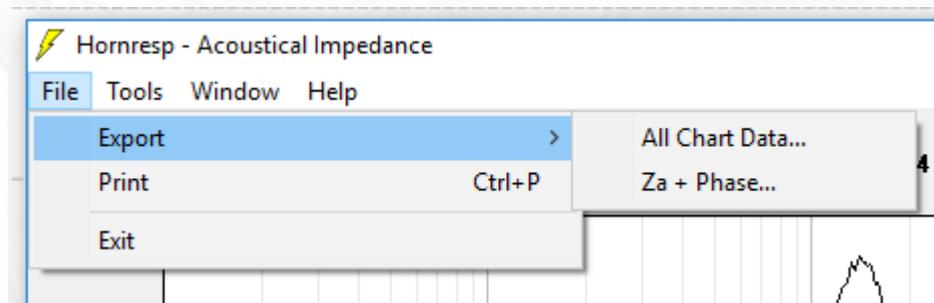
Now Horn Data can be exported



Select Acoustical Impedance.



Now All Chart Data can be exported.



Multiple Drivers Overview

Hornresp has two possible variations on making a horn loudspeaker with two drivers.

Method I – Input all driver information for a single driver, then select the option for multiple speakers.

Method II – Input some of the driver information for a single driver, but double areas or volumes, depending on setting.

Multiple Drivers - I

Fill in the driver information as below for a single driver.

Hornresp - Input Parameters

File Tools Window Help

Ang	0.5 x Pi	Eg	2.83	Rg	0.00	Cir	0.48
S1	200.00	S2	2025.00	Exp	172.00	F12	36.84
S2	0.00	S3	0.00	L23	0.00	AT	3.07
S3	0.00	S4	0.00	L34	0.00	F34	0.00
S4	0.00	S5	0.00	L45	0.00	F45	0.00

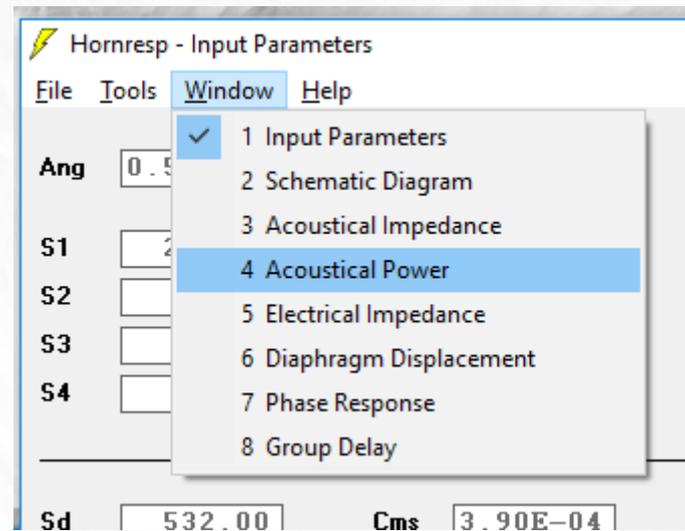
Sd	532.00	Cms	3.90E-04	Mmd	45.95	Re	5.66
Bl	10.56	Rms	1.26	Le	0.84	Nd	1
Vrc	25.00	Fr	100.00	Vtc	2170.00		
Lrc	14.00	Tal	4.00	Atc	545.00		

Comment Eminence BP122 - 35Hz

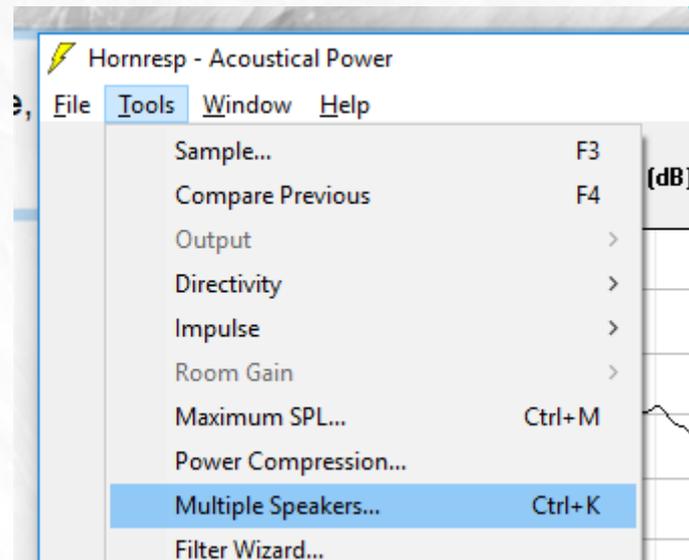
Previous Next Edit Add Delete Record 18 of 21 Calculate

Show previous record

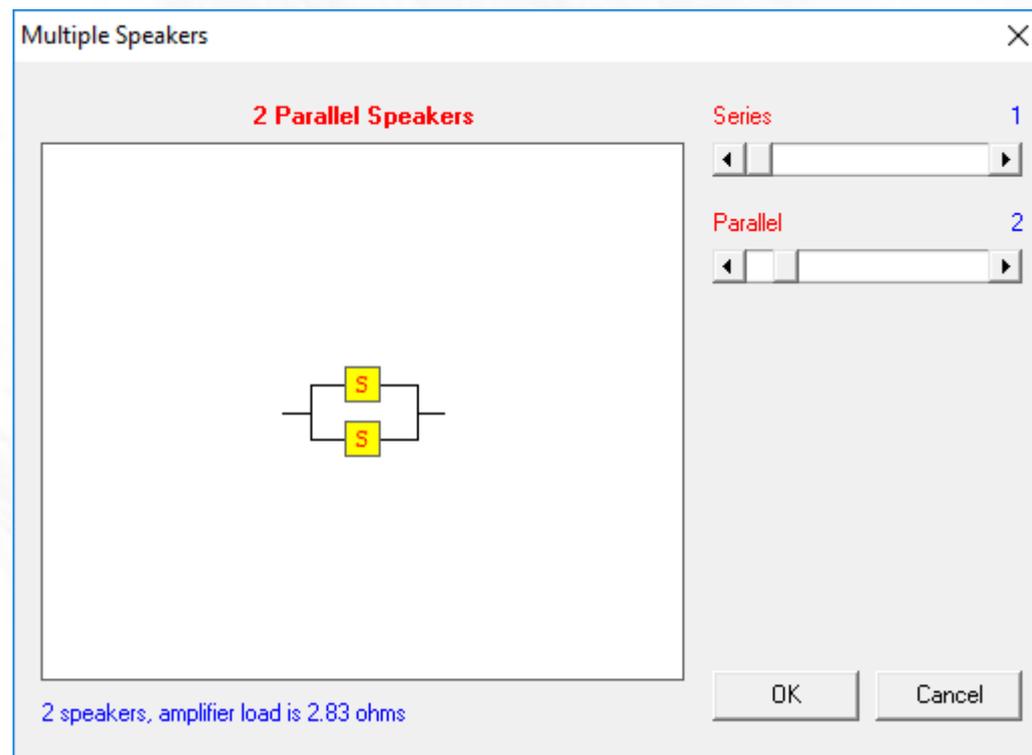
Click Calculate, then Window | Acoustical Power.



Select Tools | Multiple Speakers.



Select the Parallel slider for 2 parallel speakers.



Multiple Drivers - II

To create a file that has the same parameters as two separate drivers, then double all of the entries in the boxes below, except for the Nd box, which has 2P entered.

Hornresp - Input Parameters

File Tools Window Help

Ang	0.5 x Pi	Eg	2.83	Rg	0.00	Cir	0.68
S1	400.00	S2	4050.00	Exp	172.00	F12	36.84
S2	0.00	S3	0.00	L23	0.00	AT	4.34
S3	0.00	S4	0.00	L34	0.00	F34	0.00
S4	0.00	S5	0.00	L45	0.00	F45	0.00

Sd	532.00	Cms	3.90E-04	Mmd	45.95	Re	5.66
Bl	10.56	Rms	1.26	Le	0.84	Nd	2P
Vrc	50.00	Fr	100.00	Vtc	4340.00		
Vlc	14.00	Tal	4.00	Atc	1090.00		

Comment: Eminence BP122 - 35Hz (4) double

Previous Next Edit Add Delete Record 21 of 21 Calculate

Double click on Nd, then select 2 parallel, and click OK. An updated graph will be generated.

