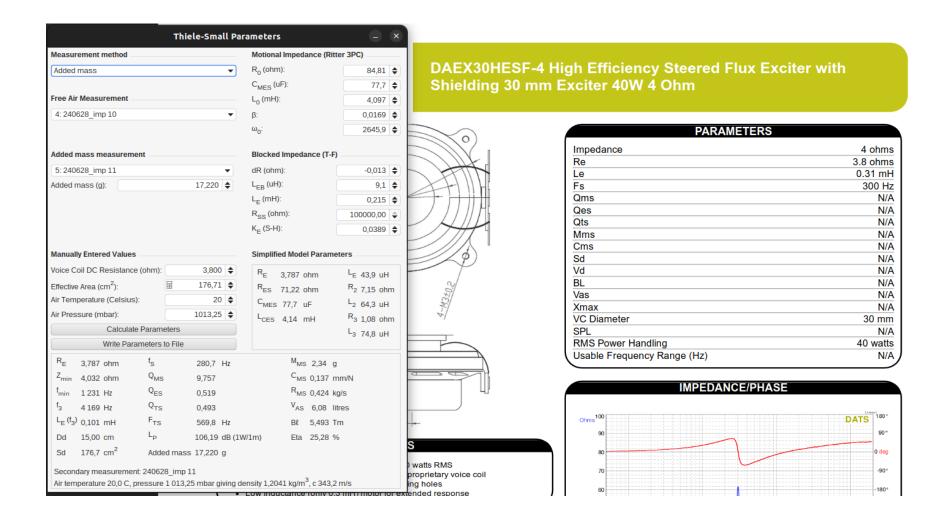
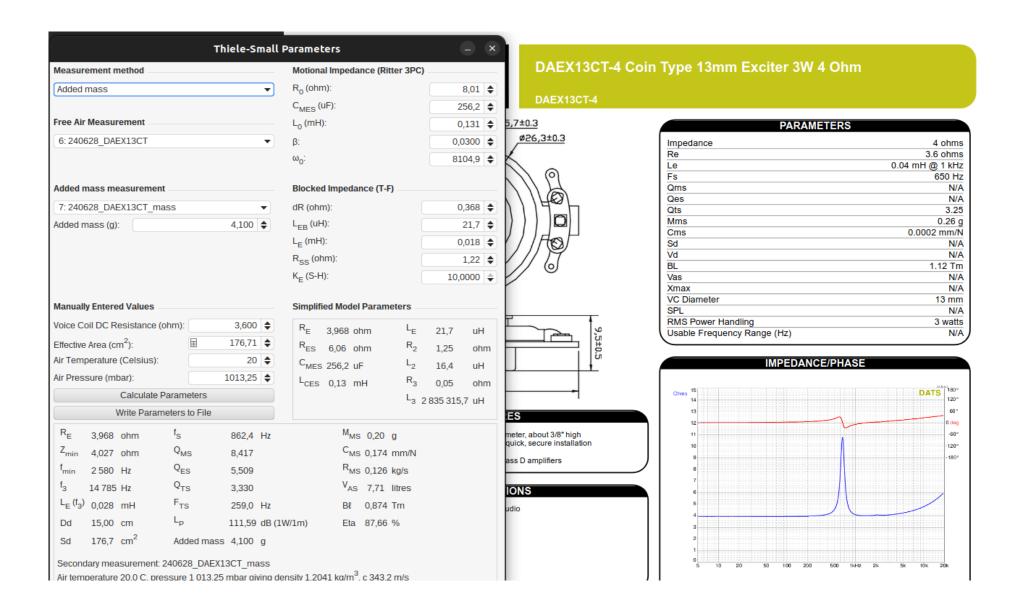
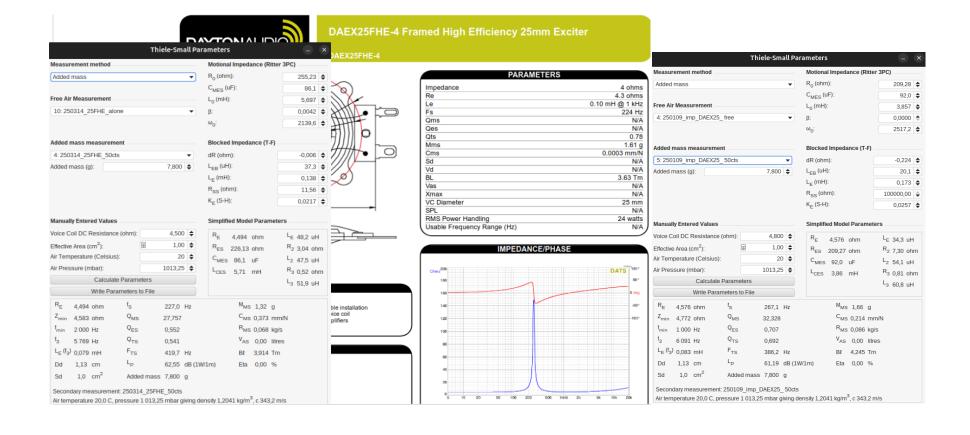
		DAEX13CT-4	DAEX19CT-4	DAEX25FHE -4	DAEX25VT-4	DAEX25SHF -4	XT25-4	DAEX30HES F	DAEX32EP-4	DAEX32QM B-4	XT32-4
parameter	unit	from datasheet									
Re	ohm	3,6		4,3	4,2		3,79	3,8			3,66
Le	mH	0,04		0,1	0,24	0,41	0,07 (Re2 2,87, Le2 0,05)	0,31	0,21	0,23	0,07 (Re2 2,38 Le2 0,05)
fs (fixed magnet)	Hz	650		224	230	365	306	300	240	680	312
fs (fixed coil)	Hz						44,4				40,5
Mms VC / magnet	g	0,26		1,61	1,75	1,3	1,58 / 75,2		5,4	3	2,21 / 131
Cms	mm/N	0,2		0,3	0,3	0,1	0,17		8	0.018	0,12
Rms VC / magnet	kg/s						0,85 / 0,09				0,85 / 0,09
BL	Tm	1,12		3,6			3,73				4,27
Weight	g						76,8				133
parameter	unit					measur	ements				
Re	ohm	4		4,5	3,6		3	3,8			3
Le	mH	0,028						0,1			
fs (fixed magnet)	Hz	860		250				281			
fs (fixed coil)	Hz			28,5							
Mms	g	0,2		1,3	1,6		1,7	2,34			2,2
Cms	mm/N	0,17		0,4	0,36		0,14	0,137			0,12
Rms	kg/s	0,126		0,07	0,18		0,14	0,424			0,2
BL	Tm	0,87	1,3	3,7	4		3,5	5,5	3,5		4,3
Weight	g										





Page 3

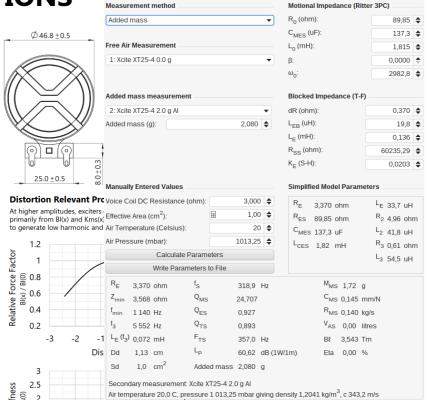




XT25-4 SPECIFICATIONS

Electrical and Mechanical Properties

Rms Noise Test [W]	15
Long-term Max Power [W]	30
Frequency Range [Hz] ¹	40Hz – 19kHz
Nominal Impedance [Ohm]	4
DC Resistance [Ohm]	3.79
Le [mH] Re2 [Ohm] Le2 [mH]	0.07 2.87 0.05
Kms [N/mm]	6.05
Cms [mm/N]	0.17
BI [N/A]	3.73
Motor Efficiency Factor β [dB] ²	5.65
Linear Xmax - IEC 60268 [mm]	± 1.4
Mechanical Xmax [mm]	± 3.0
Position Related Properties ³	Magnet Coil
Fs [Hz]	44.4 306
Mms [g]	75.2 1.58
Rms [Kg/s]	0.85 0.09
Qts	4.63 0.88
Qms	24.8 18.5
Qes	5.7 0.93
Physical Properties	
Total Weight [g]	76.8
Outer Diameter [mm]	
Outer Diameter [mm]	46.8
Total Height [mm]	46.8 21.5

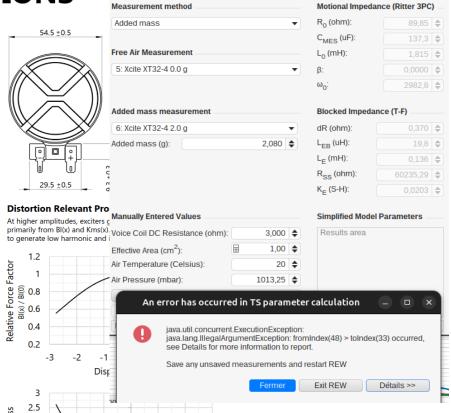


Thiele-Small Parameters

XT32-4 SPECIFICATIONS

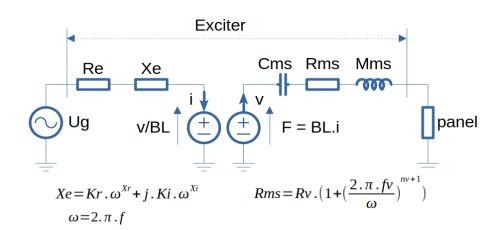
Electrical and Mechanical Properties

•		
Rms Noise Test [W]	20	
Long-term Max Power [W]	40	
Frequency Range [Hz] ¹	35Hz – 1	17kHz
Nominal Impedance [Ohm]	4	
DC Resistance [Ohm]	3.66	
Le [mH] Re2 [Ohm] Le2 [mH]	0.07 2.	38 0.05
Kms [N/mm]	8.47	
Cms [mm/N]	0.12	
BI [N/A]	4.27	
Motor Efficiency Factor β [dB] ²	6.97	
Linear Xmax - IEC 60268 [mm]	± 1.6	
Mechanical Xmax [mm]	± 3.5	
Position Related Properties ³	Magnet	Coil
Fs [Hz]	40.5	312
		2.21
Mms [g]	131	2.21
Mms [g] Rms [Kg/s]	131 0.85	0.20
Rms [Kg/s]	0.85	0.20
Rms [Kg/s] Qts	0.85 4.78	0.20 0.87
Rms [Kg/s] Qts Qms	0.85 4.78 18.7	0.20 0.87 21.9
Rms [Kg/s] Qts Qms Qes	0.85 4.78 18.7	0.20 0.87 21.9
Rms [Kg/s] Qts Qms Qes Physical Properties	0.85 4.78 18.7 6.42	0.20 0.87 21.9
Rms [Kg/s] Qts Qms Qes Physical Properties Total Weight [g]	0.85 4.78 18.7 6.42	0.20 0.87 21.9



Thiele-Small Parameters

Measurements									
Parameter	ı	DAEX25FHE		DAEX25VT				XT25	XT32
Farameter	Sample A	Sample B	Sample C	Sample A	Sample B	Sample C	Sample D	Sample A	Sample A
Re	4,47		4,51	3,498	3,42	3,505	3,43	3,061	2,968
Xr	0,8895		0,8655	0,8527	0,8207	0,7942	0,8144	0,7614	0,8663
Xi	0,7933		0,8017	0,7647	0,7272	0,7129	0,7695	0,7368	0,7989
Kr	0,0001		0,000122	0,0001996	0,0002959	0,0003989	0,0003069	0,0004725	0,0001381
Ki	0,000714		0,00066	0,001013	0,001562	0,00184	0,0009604	0,001247	0,0006292
BL	3,67		3,63	4,094	4,382	4,172	4,075	3,797	4,053
Mms	1,235		1,273	1,543	1,738	1,529	1,542	1,719	2,207
Cms	0,4139		0,441	0,3553	0,3766	0,3771	0,3664	0,1445	0,1163
Rv	0,0408		0,0378	0,0936	0,1062	0,1194	0,07164	0,01	0,1278
fv	181		199	201	184,7	195	276	1702	360
nv	1		1	1	1	1	0,6	0,69	1,105



MODEL									
Parameter	DAEX25FHE	DAEX25VT	XT25	XT32	unit				
Re	4,3	3,5	3	3	ohm				
Xr	0,87	0,82	0,76	0,86	see model				
Xi	0,8	0,74	0,74	0,8	see model				
Kr	0,0001	0,0003	0,0005	0,0014	see model				
Ki	0,0007	0,0013	0,0012	0,0006	see model				
BL	3,65	4,2	3,8	4	Tm (=N/A)				
Mms	1,3	1,6	1,7	2,2	g				
Cms	0,43	0,37	0,14	0,12	mm/N				
Rv	0,041	0,1	0,01	0,13	kg/s				
fv	190	215	1700	360	Hz				
nv	1	0,9	0,7	1,1	without				