

### Titanium Composite Tweeters

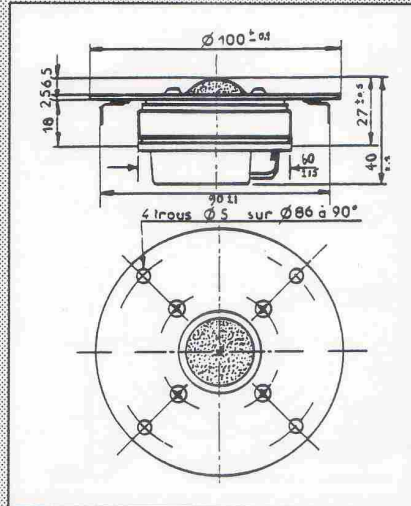
Pure Titanium is vapor deposited onto an advanced, soft polymer material to create a composite diaphragm offering increased stiffness with high internal damping. This enables us to manufacture one inch dome tweeters which exhibit the advantages of pure metal domes, while retaining the low distortion of soft domes. Metal grills included.

### Midrange Transducers (opposite page)

To fit every application, Polydax is proud to offer a full compliment of midrange models consisting of our 34 mm and 37 mm soft textile domes and our 12 cm cone driver.

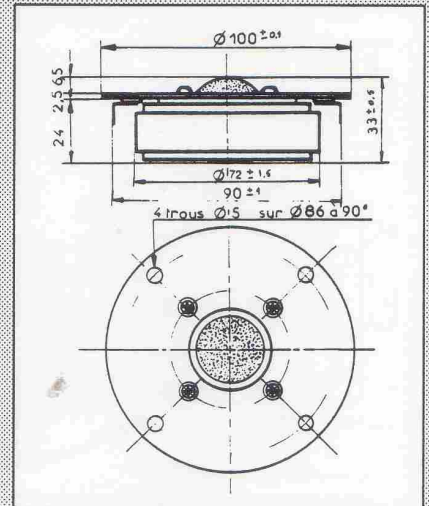
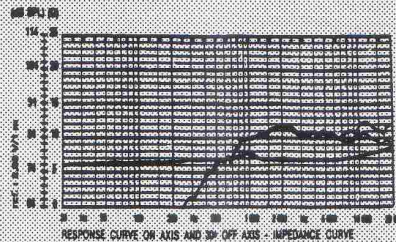
Attention to the smallest detail, without compromise, allows these models to fulfill the most demanding applications and meet the highest quality standards.

### SPECIFICATIONS:



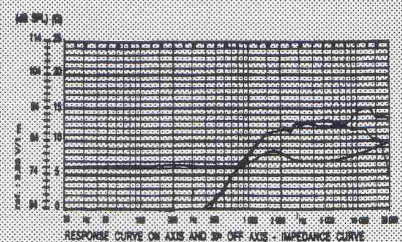
### DTW 100 TI 25 BACAV FFG

Vented Pole Piece with Resonant Chamber  
25 mm Ferrofluid Cooled Voice Coil  
Suggested crossover at 1,500 Hz



### DTW 100 TI 25 F FFG

25 mm Ferrofluid Cooled Voice Coil  
Includes Metal Grill  
Recommended Crossover at 4,500 Hz



	DTW 100 TI 25 BACAV FFG		DTW 100 TI 25 F FFG	
Nominal Impedance	$Z$ (Ohms)	8	$Z$ (Ohms)	8
DC Resistance	$R_{sc}$ (Ohms)	5.4	$R_{sc}$ (Ohms)	5.4
Voice Coil Inductance	$L_{bm}$ (uH)	44	$L_{bm}$ (uH)	44
Resonant Frequency	$f_s$ (Hz)	800	$f_s$ (Hz)	1700
Moving Mass	$M_{md}$ (kg)	0.000250	$M_{md}$ (kg)	0.000250
Effective Piston Area	$S_d$ (m <sup>2</sup> )	0.000620	$S_d$ (m <sup>2</sup> )	0.000620
Voice Coil Diameter	$d$ (mm)	25.0	$d$ (mm)	25.0
Voice Coil Length	$h$ (mm)	1.4	$h$ (mm)	1.4
Height of Gap	$H_e$ (mm)	1.5	$H_e$ (mm)	1.5
Linear Excursion	$X_{max}$ (mm)	0.05	$X_{max}$ (mm)	0.05
Magnet Weight	$W_t$ (kg)	0.10	$W_t$ (kg)	0.24
Characteristic Efficiency	$E$ (dB SPL)	88	$E$ (dB SPL)	91
Nominal Power Handling	$P$ (W)	40 / 1.5 kHz	$P$ (W)	50 / 5 kHz