

# IMF-SERIES

## HP-21W (LOW FREQUENCY TRANSDUCER)

### GENERAL SPECIFICATIONS

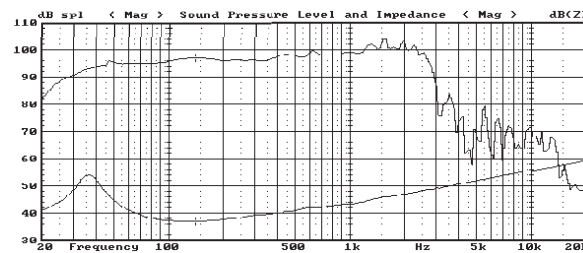
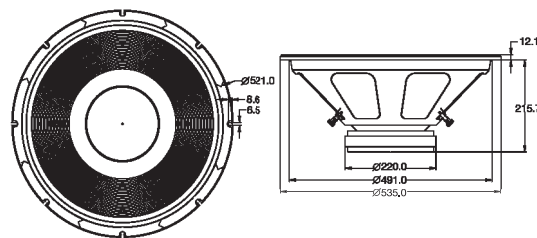
Nominal Diameter	: 530	mm	(21in)
Rated Impedance	: 8	ohm	
Power Handling Capacity	: 800	Watts	
Sensitivity 2.83 V, 1M	: 97.3	dB	
Effective Piston Diameter	: 460	mm	18.1 Inch
Voice Coil Diameter	: 99.30	mm	4 Inch

### THIELE - SMALL PARAMETERS

Resonance Frequency	Fs	: 36.4	Hz
DC Resistance	Re	: 5.5	ohm
Mechanical Q Factor	Qms	: 4.215	
Electrical Q Factor	Qes	: 0.520	
Total Q Factor	Qts	: 0.463	
BL Factor	BL	: 27.71	TM
Effective Moving Mass	Mms	: 194.99	gr
Equivalent Cas Air Load	Vas	: 384.40	Liters
Effective Piston Area	Sd	: 0.1661	m <sup>2</sup>
Voice - Coil Inductance @ 1KHz	Le	: 1.58	mH
Half-Space Efficiency	Eff	: 3.44	%
Airgap Height	Hag	: 11.8	mm
Voice Coil Height	Hvc	: 25.0	mm
Voice Coil Over-Hung	Xmax	: 6.6	mm

### PHYSICAL INFORMATION

Basket	: Black Stamp Steel
Magnet Type	: Ferrite 125.7 oz
	Size ODxDxH (mm)
	220 X 110 X 25
Voice Coil Former	: Fiber Glass (Polyimide) High Temp.400°C
Voice Coil Material	: High Temp.300°C Copper Wire
Cone Material	: Pulp Paper
Surround	: Treated Cloth
Spider	: Cotton
Dust Cap	: Paper
Net Weight	: 12.8 Kg (28.16Lb)
Gross Weight	: 15.4 Kg (33.88Lb)
Packing Dimension WxLxH (mm)	: 570 X 570 X 280
	22.40in X 22.40in X 11.02in (3.2 Cu.Ft.)



## HP-18S (LOW FREQUENCY TRANSDUCER)

### GENERAL SPECIFICATIONS

Nominal Diameter	: 460	mm	(18in)
Rated Impedance	: 8	ohm	
Power Handling Capacity	: 800	Watts	
Sensitivity 2.83 V, 1M	: 98	dB	
Effective Piston Diameter	: 380	mm	15 Inch
Voice Coil Diameter	: 99.30	mm	4 Inch

### THIELE - SMALL PARAMETERS

Resonance Frequency	Fs	: 32.0	Hz
DC Resistance	Re	: 5.8	ohm
Mechanical Q Factor	Qms	: 9.814	
Electrical Q Factor	Qes	: 0.356	
Total Q Factor	Qts	: 0.344	
BL Factor	BL	: 23.70	TM
Effective Moving Mass	Mms	: 170.30	gr
Equivalent Cas Air Load	Vas	: 260.60	Liters
Effective Piston Area	Sd	: 0.1134	m <sup>2</sup>
Voice - Coil Inductance @ 1KHz	Le	: 1.87	mH
Half-Space Efficiency	Eff	: 2.37	%
Airgap Height	Hag	: 11.8	mm
Voice Coil Height	Hvc	: 25.0	mm
Voice Coil Over-Hung	Xmax	: 6.6	mm

### PHYSICAL INFORMATION

Basket	: Black Stamp Steel
Magnet Type	: Ferrite 125.7 oz
	Size ODxDxH (mm)
	220 X 110 X 25
Voice Coil Former	: Glass Fiber Polyimide 400°C
Voice Coil Material	: SV-Wire 300°C
Cone Material	: Pulp Paper
Surround	: Treated Cloth
Spider	: Cotton
Dust Cap	: Paper
Net Weight	: 11.3 Kg (24.86Lb)
Gross Weight	: 14.2 Kg (31.24Lb)
Packing Dimension WxLxH (mm)	: 480 X 480 X 230
	18.8in X 18.8in X 9in ( 1.86 Cu.Ft.)

