



Install
Sound



IL 60-TB/TW



IL 80-TB/TW

Compact two-way speaker cabinets

The IL 60-TB/TW and IL 80-TB/TW are exceedingly compact two-way, fullrange speaker cabinets driven via built-in passive crossovers. They are loaded with a direct-radiating 6.5" (8") woofer in a bass reflex housing and a 1" tweeter. Next to clear and assertive voice reinforcement, the IL 60-TB/TW and IL 80-TB/TW offer good audio quality.

Depending on sound pressure requirements, they are ideal for near-field and background sound reinforcement for short-throw applications, for example in bars, foyers and so forth. Courtesy of their compact dimensions, they integrate inconspicuously into every room.

IL 60-TB/TW

40 W RMS, 6.5" + 1" Dome Tweeter, 8 ohms, built-in switchable 100 V transformer, max SPL 106 dB *, polymer enclosure in white/ black, wall mount included, binding posts

IL 80-TB/TW

60 W RMS, 8" + 1" Dome Tweeter, 8 ohms, built-in switchable 100 V transformer, max SPL 109 dB *, polymer enclosure in white/ black, wall mount included, binding posts

IL 60-TB/TW

Enclosure design and mechanical appointments

Available in the standard colors black or white, the IL 60-TB/TW comes in a polymer housing. A metal grille covers the front baffle.

The IL 60-TB/TW is trapezoidal, with no two panels arrayed in parallel. This design arrests standing waves within the enclosure, which prevents undesirable peaks and valleys in the frequency

response curve. Courtesy of its trapezoidal shaping, the enclosure is ideally suited for mounting into corners.

The IL 60-TB/TW weighs 3.4 kg. The housing is 21.5 cm wide, 29 cm high and 17.2 cm deep. A factory-included wall-mount attaches to the top and bottom of the IL 60-TB/TW. It allows the IL 60-TB/TW to be mounted and

aligned easily and swiftly at various angles.

Located on the back of the IL 60-TB/TW is a pair of binding posts enabling direct connection of speaker cords lacking plugs. Standard terminal assignments are red = positive and black = negative.



Electrical and acoustical data

The IL 60-TB/TW features a 6.5" woofer and a 1" tweeter with neodymium magnets. The two drivers are configured in twin axial array and addressed via an internal passive crossover. The crossover frequency is 2.5 kHz at slopes of 6 dB per octave for the woofer and 12 dB per octave for the tweeter.

The IL 60-TB/TW's nominal power handling capacity is 40 watts RMS at 8 ohms impedance. It delivers 89 dB (1W/1m) SPL, measured under half-space conditions. Maximum SPL measured under the same conditions at a distance of one meter is 106 dB at 10% THD. Frequency response ranges from 70 Hz

to 20 kHz. Consequently, the IL 60-TB/TW is able to provide speech and background audio reinforcement without requiring an additional subwoofer.

The IL 60-TB/TW features a built-in switchable 100 V transformer with five power taps. Located on the enclosure's rear panel is

a rotary switch serving to select the five power tap options (2, 5, 10, 20, 30 W). It allows the level to be adjusted without having to open the IL 60-TB/TW's housing.

Architectural specifications

A professional two-way, fullrange speaker system, the IL 60-TB/TW is loaded with a 6.5" speaker and 1" tweeter calibrated to deliver good audio quality and clear, assertive voice reinforcement. The low-/mid-range speaker is mounted in a precision-tuned bass reflex enclosure.

Available in black or white, the trapezoidal housing is made of a polymer. No two panels are parallel. A wall-mount is included for swift, easy installation,

and a grille protects the front baffle.

The enclosure features an internal passive crossover that splits the signal at 2.5 kHz with slopes of 12 dB/octave for the tweeter and 6 dB/octave for the 6.5" speaker. Frequency response ranges from 70 Hz to 20 kHz (± 3 dB), with 89 dB axial sensitivity in the main direction of throw @ 1W/1m under half-space conditions, and 106 dB maximum SPL at 10% THD

under half-space conditions. Nominal power handling is 40 watts RMS. Impedance is 8 ohms or as determined by the switchable 100 V transformer and five selectable power taps (2, 5, 10, 20, 30 W).

Connectors:

1 set of binding posts, suitable for banana plugs

Dimensions (W x H x D):

21.5 x 29.0 x 17.2 cm
8 7/16" x 11 7/16" x 6 3/4"

Weight:

3.4 kg / 7.48 lbs.

Model:

HK AUDIO® IL 60-TB/TW

Item number:

IL 60-TB (black):

• 183023

IL 60-TW (white):

• 183153

IL 80-TB/TW

Enclosure design and mechanical appointments

Available in the standard colors black or white, the IL 80-TB/TW comes in a polymer housing. A metal grille covers the front baffle.

The IL 80-TB/TW is trapezoidal, with no two panels arrayed in parallel. This design arrests standing waves within the enclosure, which prevents undesirable peaks and valleys in the frequency

response curve. Courtesy of its trapezoidal shaping, the enclosure is ideally suited for mounting into corners.

The IL 80-TB/TW weighs 5.4 kg. The housing is 27 cm wide, 37 cm high and 22 cm deep. A factory-included wall-mount attaches to the top and bottom of the IL 80-TB/TW. It allows the IL 80-TB/TW to be mounted and

aligned easily and swiftly at various angles.

Located on the back of the IL 80-TB/TW is a pair of binding posts enabling direct connection of speaker cords lacking plugs. Standard terminal assignments are red = positive and black = negative.



Electrical and acoustical data

The IL 80-TB/TW features an 8" woofer and a 1" tweeter with neodymium magnets. The two drivers are configured in twin axial array and addressed via an internal passive crossover. The crossover frequency is 2.5 kHz at slopes of 6 dB per octave for the woofer and 12 dB per octave for the tweeter.

The IL 80-TB/TW's nominal power handling capacity is 60 watts RMS at 8 ohms impedance. It delivers 89 dB (1W/1m) SPL, measured under half-space conditions. Maximum SPL measured under the same conditions at a distance of one meter is 109 dB at 10% THD. Frequency response ranges from 60 Hz

to 20 kHz. Consequently, the IL 80-TB/TW is able to provide speech and background audio reinforcement without requiring an additional subwoofer.

The IL 80-TB/TW features a built-in switchable 100 V transformer with five power taps. Located on the enclosure's rear panel is

a rotary switch serving to select the five power tap options (2, 5, 10, 20, 40 W). It allows the level to be adjusted without having to open the IL 80-TB/TW's housing.

Architectural specifications

A professional two-way, fullrange speaker system, the IL 80-TB/TW is loaded with an 8" speaker and 1" tweeter calibrated to deliver good audio quality and clear, assertive voice reinforcement. The low-/mid-range speaker is mounted in a precision-tuned bass reflex enclosure.

Available in black or white, the trapezoidal housing is made of a polymer. No two panels are parallel. A wall-mount is included for swift, easy installation,

and a grille protects the front baffle.

The enclosure features an internal passive crossover that splits the signal at 2.5 kHz with slopes of 12 dB/octave for the tweeter and 6 dB/octave for the 8" speaker. Frequency response ranges from 60 Hz to 20 kHz (± 3 dB), with 89 dB axial sensitivity in the main direction of throw @ 1W/1m under half-space conditions, and 109 dB maximum SPL at 10% THD

under half-space conditions. Nominal power handling is 60 watts RMS. Impedance is 8 ohms or as determined by the switchable 100 V transformer and five selectable power taps (2, 5, 10, 20, 40 W).

Connectors:

1 set of binding posts, suitable for banana plugs

Dimensions (W x H x D):

27 x 37 x 22 cm
10 2/3" x 14 1/2" x 8 2/3"

Weight:

5.4 kg / 11.88 lbs.

Model:

HK AUDIO® IL 80-TB/TW

Item number:

IL 80-TB (black):

• 183163

IL 80-TW (white):

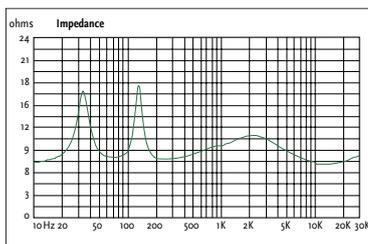
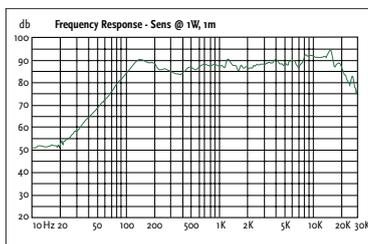
• 183173

Technical data

IL 60-TB/TW

Power handling nominal (RMS):	40 W
Power handling (program):	80 W
Power handling (peak, 10 ms):	120 W
Transformer power taps:	2, 5, 10, 20, 30 W, Off
Transformer voltage:	100 V
Impedance:	8 ohms
Frequency response (± 3 dB):	70 Hz to 20 kHz
Frequency response (-10 dB):	60 Hz to 20 kHz
Axial sensitivity (1W/1m, half-space)*:	89 dB
Maximum SPL (3 % THD, half-space)*:	104 dB
Maximum SPL (10% THD, half-space)*:	106 dB
Maximum SPL (calculated at peak)*:	109 dB
Low/midrange frequency speaker:	6.5" woofer
High-frequency driver:	1" HF tweeter
Corner frequency, passive crossover:	2.5 kHz
Connectors:	1 pair of binding posts
Housing material:	polymer
Color:	black or white
Front cover:	metal grille
Mounting options	factory-included wall-mount, 2 x 6.3 mm bushing
Weight:	3.4 kg/ 7.48 lbs.
Dimensions (W x H x D):	21.5 x 29.0 x 17.2 cm 8 7/16" x 11 7/16" x 6 3/4"

*) Based on half space conditions



IL 80-TB/TW

Power handling nominal (RMS):	60 W
Power handling (program):	120 W
Power handling (peak, 10 ms):	180 W
Transformer power taps:	2, 5, 10, 20, 40 W, Off
Transformer voltage:	100 V
Impedance:	8 ohms
Frequency response (± 3 dB):	60 Hz to 20 kHz
Frequency response (-10 dB):	50 Hz to 20 kHz
Axial sensitivity (1W/1m, half-space)*:	89 dB
Maximum SPL (3 % THD, half-space)*:	107 dB
Maximum SPL (10% THD, half-space)*:	109 dB
Maximum SPL (calculated at peak)*:	110 dB
Low/midrange frequency speaker:	8" woofer
High-frequency driver:	1" HF tweeter
Corner frequency, passive crossover:	2.5 kHz
Connectors:	1 pair of binding posts
Housing material:	polymer
Color:	black or white
Front cover:	metal grille
Mounting options	factory-included wall-mount, 2x 6.3 mm bushings
Weight:	5.4 kg/ 11.88 lbs.
Dimensions (W x H x D):	27 x 37 x 22 cm 10 2/3" x 14 1/2" x 8 2/3"

*) Based on half space conditions

