

## KH 120 A - Active Studio Monitor

<b>Technical Data</b>	
<b>Acoustics</b>	
-3 dB free field frequency response	52 Hz ... 21 kHz, $\pm 3$ dB
Pass band free field frequency response	54 Hz ... 20 kHz, $\pm 2$ dB
Self-generated noise (with input gain set to 100 dB for 0 dBu)	<20 dB(A) at 10 cm
Sine wave output with a THD < 0.5 % at 1 m	100 Hz @ 95 dB SPL
Max. SPL in full space / calc. in half space at 3% THD at 1m	105.1 / 111.1 dB SPL (averaged between 100 Hz and 6 kHz)
Bass capability: Max. SPL in half space at 3% THD at 1m	104.8 dB SPL (averaged between 50 Hz and 100 Hz)
Max. short term SPL with IEC-weighted noise (IEC 286-5) at 1 m, in typical listening conditions	107 dB(C) SPL
Max. short term SPL with music material at 2.3 m, in typical listening conditions (pair)	97 dB(C) SPL (full range) 104 dB(C) SPL (with subwoofer)
Max. long term SPL with pink noise at 2.3 m, in typical listening conditions (single/pair)	88 / 93 dB(C) SPL (full range) 89 / 94 dB(C) SPL (with subwoofer)
<b>Electronics</b>	
Woofer amplifier, cont.(peak) output power*	50 W (80 W)
Tweeter amplifier, cont.(peak) output power*	50 W (80 W)
Controller design	Analog, active
Crossover Frequency	2.0 kHz
Crossover Slope (dB/oct.)	24, 4th order
Equalization - Bass	0, -2.5, -5, -7.5 dB
Equalization - Mid	0, -1.5, -3, -4.5 dB
Equalization - High	+1, 0, -1, -2 dB
Protection circuitry	Limiter: low, high
Infrasonic filter frequency; slope	30 Hz; 6 dB/oct.
<i>Analog Input</i>	
Impedance, electrically balanced	10k Ohms in position 94/108 dB SPL at 1 m 20k Ohms in position 100/114 dB SPL at 1 m
Input gain control (sensitivity)	0 dBu to -15 dBu
Output level control	94, 100, 108, 114 dB SPL
CMRR	>56 dB @ 15 kHz
Maximum input level	24 dBu
<b>Displays and Mains Power</b>	
Displays and indicators - power on	Neumann logo "White"
Displays and indicators - limit/clip	Neumann logo "Red"
Mains Power Supply, voltage; frequency	100-240 V $\sim$ ; 50/60 Hz
Power consumption - Idle	20 W
Power consumption - Full output AC	200 W

<b>Mechanics</b>	
Cabinet surface finish, color: custom	Painted aluminium, Anthracite (RAL 7021)
Operating conditions	+10° C to +40° C (+50° F to +104° F), <90% RH, non-condensing
Transport/storage conditions	-25° C to +70° C (-13° F to 158° F), <90% RH, non-condensing
Drivers	Magnetically shielded
Woofers	130 mm (5.25")
Tweeter	25 mm (1")
Mounting points	2 x M8 on rear panel
Height x width x depth, mm (inches)	277 x 182 x 220 mm (10 7/8" x 7 1/8" x 8 5/8")
Internal net volume / external volume	6.5 liters / 9.7 liters
Weight	6.4 kg (14.1 lbs)
Accessories	<p>Mounting on a floor stand  KH 120 + <a href="#">LH 61</a>  KH 120 + <a href="#">LH 61</a> + <a href="#">LH 28</a>  KH 120 + <a href="#">LH 61</a> + <a href="#">LH 29</a>  KH 120 + <a href="#">LH 61</a> + <a href="#">LH 48</a> + K&amp;M stand 26790 and 26795</p> <p>Mounting on a mic stand  KH 120 + <a href="#">LH 61</a></p> <p>Mounting on a meter bridge or table top  KH 120 + <a href="#">LH 65</a></p> <p>Mounting on a wall  KH 120 + <a href="#">LH 32</a>  KH 120 + <a href="#">LH 61</a> + <a href="#">LH 47</a> + <a href="#">LH 45</a></p> <p>Off a ceiling  KH 120 + <a href="#">LH 61</a>  KH 120 + <a href="#">LH 61</a> + <a href="#">LH 47</a> + <a href="#">LH 46</a>  KH 120 + <a href="#">LH 61</a> + <a href="#">LH 47</a> + <a href="#">LH 43</a></p> <p>Mounting off a lighting or truss bar  KH 120 + <a href="#">LH 61</a> + <a href="#">LH 29</a></p> <p>Mounting on an Omnimount bracket  KH 120 + <a href="#">LH 64</a></p> <p>Mounting on a VESA mount bracket  KH 120 + <a href="#">LH 64</a></p> <p>Other accessories  <a href="#">FKH 120</a>, <a href="#">BKH 120</a></p>
*THD+N ▶ <0.1% with limiter deactivated	