

# WISI VX 26 BH 60A

Value Line CATV Amplifier, locally powered, 1,2 GHz



## Description

The VX26 BH 60A is a locally powered CATV amplifier for distribution applications or in-house installations up to 1.2 GHz. Two integrated switchable diplex filters, with 65 and 204 MHz frequency range, are the perfect solution to be prepared for a future network upgrade. All functional settings (FlexAccess, ALSC, Auto Alignment, Attenuation, Slope, Equalizer, etc.) are adjusted via Bluetooth, using mobile devices or the WISI handheld OH41. The amplifier features an active output and the possibility for upgrading an additional output or loop through input.

## At a glance:

- High output level up to 1,2 GHz
- All settings (Gain, slope etc.) via WISI bluetooth App
- Auto Alignment for automatic level adjustment
- Automatic Level and Slope Control (ALSC) with adjustable pilot frequencies
- WISI FlexAccess technology for diplex switchover via Bluetooth or handheld
- Two integrated diplex filters (65 MHz and 204 MHz)
- Interface for optional Fostra module

# WISI VX 26 BH 60A

## Technical data

Down-Stream / DS	
Frequency range	85...1218/ 258...1218 MHz (F1/F2)
Noise figure	9 dB
Gain	44 dB ( $\pm 1$ dB)
Frequency response	$\pm 0,75$ dB
Input attenuator	20 dB (0,5 dB steps)
Interstage cable simulator	0/5/10 dB
Interstage attenuator	20 dB (0,1 dB steps)
Interstage equalizer	25 dB (0,1 dB steps)
Interstage Slope	15 dB (1 dB steps)
Output level	110 dB $\mu$ V (all QAM (138 x 256 QAM), BER $< 1e-9$ , flat)
Output level	112 dB $\mu$ V (all QAM (138 x 256 QAM), BER $< 1e-9$ , 12 dB slope)
Output level	113 dB $\mu$ V (CENELEC 41 Ch. (CSO/CTB $> 60$ dB), flat)
Output level	115 dB $\mu$ V (CENELEC 41 Ch. (CSO/CTB $> 60$ dB), 12 dB slope)
ALSC Mode	off/one pilot/two pilots Pilot frequency 40...1002 MHz / 0.1 dB steps
Input test point (bidirectional)	-20 dB ( $\pm 1,5$ dB to 858 MHz / $\pm 2$ dB 1218 MHz)
Output test point (directional coupler)	-20 dB ( $\pm 0,75$ dB)

## Upstream (US)

Frequency range	5...65/5...204 MHz (F1/F2)
Gain	32 dB ( $\pm 0,75$ dB)
Frequency response	$\pm 0,75$ dB
Input attenuator	15 dB (0,5 dB steps)
Interstage equalizer	12 dB (1 dB steps)
Interstage attenuator	15 dB (0,5 dB steps)
Noise figure	8 dB
Output level	113 dB $\mu$ V ((8 x 256 QAM), BER $< 1E-9$ , US 65 MHz)
Output level	107 dB $\mu$ V ((24 x 256 QAM), BER $< 1E-9$ , US 204 MHz)
NPR $> 50$ dB	$> 50$ dB (60 MHz load / -7 dBuV / dyn. $> 22$ dB)
NPR $> 50$ dB	$> 50$ dB (192 MHz load / -7 dBuV / dyn. $> 16$ dB)
Ingress Control Switch (ICS)	0/ -6/ $< -45$ dB (Opt.with Receiver-mod)

## General data

RF connectors	PG11
Impedance	$\leq 75 \Omega$
In/Output return loss	$> 18$ dB 5...40 MHz; $> 18$ dB 40...1218 MHz, -1,5 dB/oct. $> 12$ dB
Input module slot	0 dB Bridge
Output module slot	0 dB Bridge
Universal module slot	-
Supply voltage	230 V AC
Power consumption	24 W
Hum modulation @ 7A, f $> 15$ MHz	$> 70$ dB
Ambient temperature	-20...+65 °C
Protection class	IP66
EMC	EN50083-2
Surge protection RF Ports	6 kV (1,2/50 $\mu$ s pulse EN61000-4-5)
Dimensions (width x height x depth)	260 x 215 x 95 mm

## Technical data

### Bluetooth functionality

Downstream configuration	Input attenuator, Interstage attenuator, interstage slope, interstage equalizer, interstage cable simulator, ALSC, FlexAccess
Upstream configuration	Input attenuator, Interstage attenuator, Interstage equalizer, ICS, ALSC, FlexAccess
Options	ICS-Receiver according to EN60728-14 -> VT21, Input/Output modules -> XMxxB

## Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	350 x 290 x 175 mm
Packaging volume sales unit	17.8 dm <sup>3</sup>
Gross weight sales unit	2.1 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	350 x 290 x 175 mm
Packaging volume shipping package	17.8 dm <sup>3</sup>
Gross weight shipping unit	2.1 kg
EAN	4010056758103
Article number	75810
Customs tariff number	85437030