BEH-620

200 Watt

- **Temperature controlled ball-bearing fan**
- **TÜV-approved up to +50 °C**
- **+3.3 V sense line**

The BEH-620 provides a temperature controlled fan regulation for noise optimisation. By its rugged design the BEH-620 guarantees a long service life even under demanding industrial conditions. Only components of high quality designed for an ambient temperature of +50 °C were used for the assembly. With its generally very good regulation properties the BEH-620 supplies stable output voltages also at relatively low minimum loads.

Technical data	
Input voltage	90…264 V AC, 120…380 V DC, active PFC
Input frequency	47…63 Hz / 440 Hz
Input current	4 A (115 V AC) / 2 A (230 V AC)
Inrush current	65 A (115 V AC) / 130 A (230 V AC)
Efficiency	≥70 %, 115 / 230 V AC (full load)
Hold up time	>16 ms
Power-Good-Signal	Switch on delay 100…500 ms Switch off delay 1 ms
Protection	Short circuit protection: +3.3 V, +5 V, +12 V, switch off / -5 V, -12 V, +5 V_{sb}, auto-recovery Overload protection: 110…160 %, switch off Overvoltage protection: +3.3 V (+3.6…+4.2 V), +5 V (+5.6…+6.6 V), +12 V (+13.2…+14.6 V)
Earth leakage current	<3.5 mA, 115 V AC / 230 V AC
Safety / EMC	TÜV, UL, CE
Temperature	Operating: -20…+50 °C / Storage: -20…+80 °C
Derating at +3.3 V	At +30 °C max. 14 A at +40 °C max. 12 A at +50 °C max. 10 A
MTBF	122 000 h according to MIL-HDBK-217F at +50 °C without fan
Humidity	Operating: 10…85 % RH non-condensing / Storage: 10…90 % RH, non-condensing
Dimensions (W x D x H)	100 x 190 x 40 mm, ±0.5 mm
Weight (net)	1.3 kg

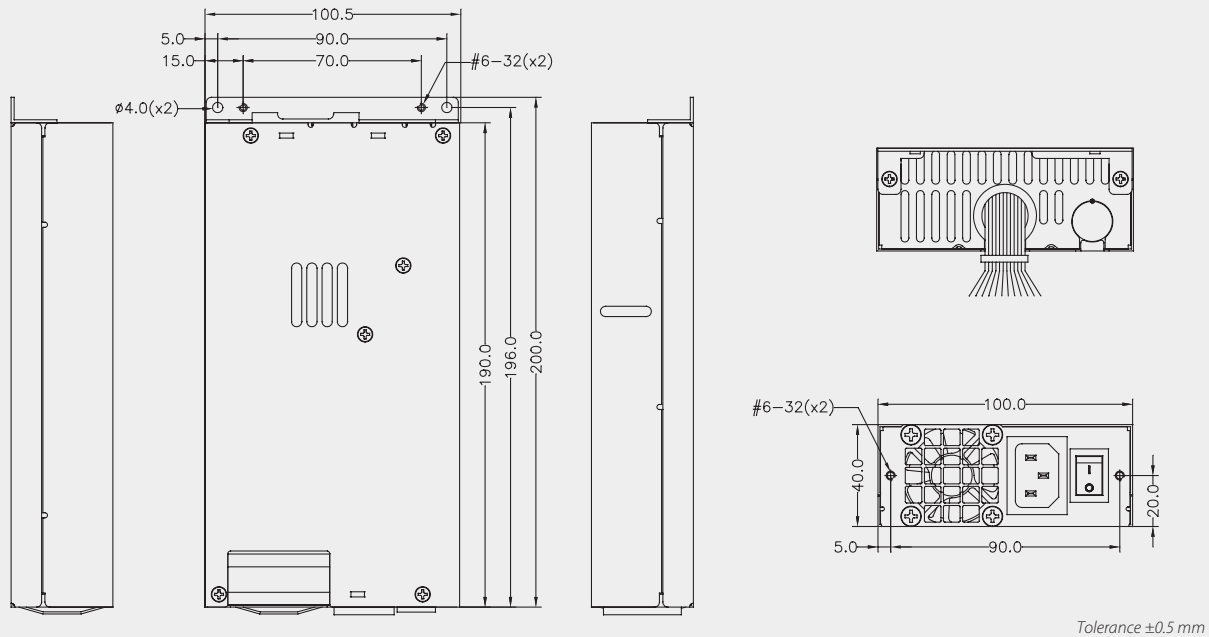
Article No.	Output voltage	Output current min	Output current max	Load regulation	Ripple & Noise
BEH-620	+3.3 V	0 A	14 A	±5 %	60 mV
	+5 V	1 A	23 A	±5 %	50 mV
	+12 V	1 A	12 A	±5 %	120 mV
	-12 V	0.1 A	0.5 A	±10 %	120 mV
	-5 V	0 A	0.2 A	±10 %	100 mV
	+5 V_{sb}	0.1 A	2 A	±5 %	60 mV

Max. output is 200 W, combined at +3.3 V, +5 V and +12 V it is 185 W. Combined max. output current at +3.3 V and +5 V must not exceed 25 A. From a load of +12 V / >8 A onwards a minimum load of >2 A must be connected at +5 V, from a load of +5 V / >17 A onwards a minimum load of >2 A must be connected at +12 V. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 220 µF electrolytic capacitor and 0.1 µF ceramic capacitor at each output.
As a power component this PSU is for assembly purposes only and must not be operated in unassembled condition. The final assembly has to comply with the valid EMC and safety standards.

Optional accessory ▷▷▷ *For detailed information please visit our website **www.bicker.de** and refer to the article number.*

Article No.	Description
X1-132	Power cord with European IEC-60320-C13 connector

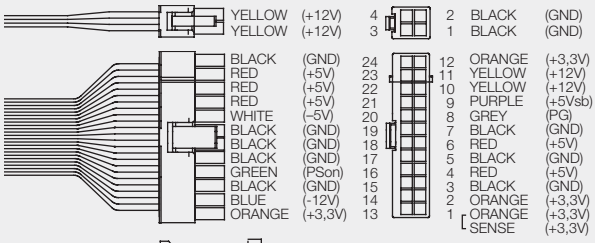
Drawing BEH-620



Tolerance ±0.5 mm

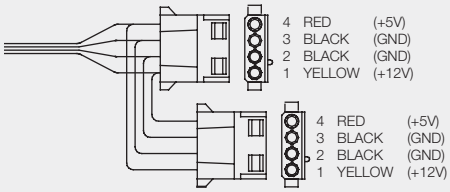
Cable harness BEH-620

P4, 400 mm

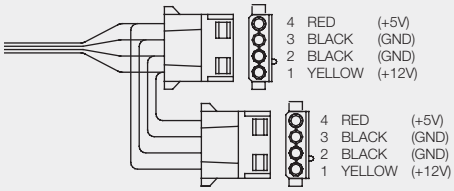


ATX, 420 mm
20+4 pin

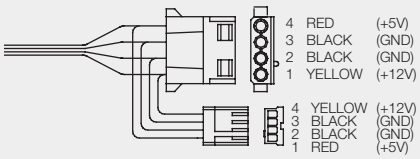
HD, 400 mm
HD, 200 mm



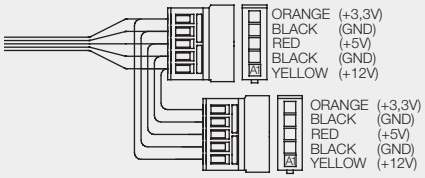
HD, 400 mm
HD, 200 mm



HD, 470 mm
FDD, 200 mm



SATA, 470 mm
SATA, 200 mm



Tolerance ±20 mm