



IBA-Retzer GbR
Machines & Industrial Assets
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TECHNICAL DATASHEET

Bonfiglioli BN80B4

Description

This motor is engineered for general-purpose industrial applications requiring reliable and efficient performance. Its 4-pole design ensures stable operation at standard speeds, while the aluminium housing provides excellent heat dissipation and corrosion resistance. The BN80B4 is ideal for continuous or intermittent duty cycles in demanding environments.

Technical Specifications

Parameter	Value
Motor Type	Three-phase asynchronous motor
Model	BN80B4
Power	0.75 kW (approx. 1 HP)
Speed (50 Hz)	approx. 1400 rpm
Speed (60 Hz)	approx. 1720 rpm
Polarity	4-pole
Voltage (50 Hz)	230/400 V
Voltage (60 Hz)	265/460 V
Rated Current (400 V)	approx. 1.85 A
Protection Class	IP55
Duty Cycle	S3 - 25%
Power Factor	$\cos \varphi = 0.81$
Efficiency Class	IE1
Thermal Class	I.C.I. F
Mounting	IMB14
Manufacturer	Bonfiglioli, Italy
Condition	Used (unless specified otherwise)



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Features

- • Robust aluminium housing for lightweight durability
- • Dual-frequency operation (50/60 Hz)
- • 4-pole configuration for balanced speed and torque
- • Integrated thermal protection (I.C.I. F)
- • IP55 protection against dust and water ingress
- • Energy efficiency class IE1

Applications

- • Pumps and compressors
- • Conveyor systems
- • Industrial fans and blowers
- • Packaging machinery
- • General automation systems

Notes

The detailed technical datasheet is available as a PDF under the photos. IBA can arrange transport upon request. Transport costs are the responsibility of the buyer and will be added on top of the listed sales price.