

BERNATI

Technical drawing of a Bernati BMM 802-4 single-phase asynchronous motor. The drawing includes a side view, a front view, and a detail of the terminal box. Dimensions are given in millimeters with tolerances.

Side View Dimensions:

- Total length: 290 mm
- Mounting flange diameter: $\varnothing 164$
- Shaft diameter: 10 mm
- Terminal box diameter: $\varnothing 10.6$ (tolerance: 0 to -0.03 mm)
- Terminal box mounting flange diameter: $\varnothing 130$
- Terminal box mounting flange thickness: 3.5 mm (tolerance: 0 to -0.12 mm)
- Terminal box mounting flange width: 40 mm (tolerance: +0.3 to -0.3 mm)
- Terminal box mounting flange width: 50 mm (tolerance: +1.5 to -1.5 mm)
- Terminal box mounting flange width: 100 mm

Front View Dimensions:

- Motor body diameter: 160 mm
- Mounting flange diameter: 125 mm
- Mounting flange thickness: 80 mm (tolerance: 0 to -0.5 mm)
- Mounting flange width: 165 mm
- Mounting flange width: 200 mm
- Mounting flange width: 4- $\varnothing 12$

Terminal Box Detail Dimensions:

- Terminal box diameter: $\varnothing 10.6$ (tolerance: 0 to -0.03 mm)
- Terminal box mounting flange diameter: $\varnothing 130$
- Terminal box mounting flange thickness: 3.5 mm (tolerance: 0 to -0.12 mm)
- Terminal box mounting flange width: 40 mm (tolerance: +0.3 to -0.3 mm)
- Terminal box mounting flange width: 50 mm (tolerance: +1.5 to -1.5 mm)
- Terminal box mounting flange width: 100 mm

Product Code	BDM0075.08C435.11
Motor Type/Frame	BDM 802-4
Mounting	IM B3/B5
Output Power (kW)	1.10
Speed (rpm)	1420
Tension (V)	230
Frequency (Hz)	50
Current (A)	4.60
Power factor (Cos Ø)	1.00
Poles	4
Insulation Class	F
IP Class	IP55
100% Efficiency	73.0
Torque (Nm)	5.00
Tstart / Tnominal	2.50
Istart / Inominal	5.80
Tmax / Tnominal	1.80
Noise (dB)	70
PTC Thermistor	N/A
Weight (Kg)	11
DE Bearing	6204 2RZ C3
NDE Bearing	6204 2RZ C3