

BERNATI

Technical drawing of a Bernati BTM 90S-2 motor, showing side and front views with dimensions and tolerances.

Dimensions and Tolerances:

- Terminal box height: 8⁰_{-0.036}
- Terminal box diameter: Ø24
- Mounting flange diameter: Ø130^{+0.024}_{-0.011}
- Terminal box width: 20⁰_{-0.2}
- Terminal box depth: 3.5⁰_{-0.12}
- Mounting flange thickness: 50^{+0.31}_{-0.3}
- Motor body diameter: Ø165
- Motor body width: 150
- Motor body length: 337
- Motor body diameter: Ø183

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Scale:	Description:	Model:
1:2	Dual capacitor, single phase asynchronous motor	BTM 90S-2
		Drawing n°:
		BTM0150.09A205.11
		Page size:
		A3
		ENG
		1/1

Product Code	BDM0150.09A205.11
Motor Type/Frame	BDM 90S-2
Mounting	IM B5
Output Power (kW)	1.50
Speed (rpm)	2860
Tension (V)	230
Frequency (Hz)	50
Current (A)	8.20
Power factor (Cos Ø)	1.00
Poles	2
Insulation Class	F
IP Class	IP55
100% Efficiency	80.0
Torque (Nm)	5.00
Tstart / Tnominal	2.50
Istart / Inominal	6.60
Tmax / Tnominal	1.80
Noise (dB)	80
PTC Thermistor	N/A
Weight (Kg)	14
DE Bearing	6205 2RZ C3
NDE Bearing	6205 2RZ C3