

DATA SHEET

POLYTRON® PT 1200 E

Efficient and Economical.

USERS / APPLICATION RANGES

- General homogenizing applications
- Dispersions, suspensions, and emulsions
- Dispersion of plant, animal and human tissue samples in various liquids and volumes
- Extraction of active pharmaceutical ingredients (API) in pills and tablets
- Sample preparation for medical diagnostics and RNA/DNA analysis
- Breakdown of animal and plant cells
- Emulsions and suspensions in tiny volumes
- Cell breakdowns for enzyme studies
- Preparation of samples for genetic studies
- Deagglomeration of cell complexes

This list provides a small selection of possible applications.

TECHNICAL INFORMATION

Processing volume (water)	0.05 up to 250 ml
Tip speed	Up to max. 14 m/s Up to max. 21 m/s (X-Aggregate)
Applicable aggregates	ø 3, 5, 7, 12 mm ø 20 mm X-Design
Speed range	0 to 25 000 rpm
Drive coupling	Aggregates with E coupling
Noise level (drive without aggregate)	≤ 65 dB(A) at 20 000 rpm ≤ 76 dB(A) at 25 000 rpm
Motor	Universal with carbon brushes
Drive power	100W
Connection voltage	90 - 230 V ± 10%, 50Hz/60Hz
Relative humidity (max.)	80% during storage 80% during operation
Operating temperature	0 - 40°C
Protection class acc. to DIN	IP 20
Dimensions (LxWxH)	Drive: 220x44x55 mm Power supply: 132x58x30 mm
Weight	Drive: 440g Power supply: 310g
EMC standards	IEC/EN 61000-6-2/EN 61000-6-3
Safety standard	IEC/EN 61010-2-51



Shown with optional stand 11040007