

## Physical Specifications

**Table 4** Physical Specifications

Type	Specification	Comments
Weight	15.0 kg (34 lbs)	
Dimensions (width × depth × height)	200 x 345 x 440 mm (8 x 13.5 x 18 inches)	
Line voltage	100 – 240 VAC, ± 10%	Wide-ranging capability
Line frequency	50 or 60 Hz, ± 5%	
Power consumption	250 VA / 210 W / 717 BTU	Maximum
Ambient operating temperature	4–40 °C (41–104 °F)	
Ambient non-operating temperature	-40–70 °C (-4–158 °F)	
Humidity	< 95%, at 25–40 °C (77–104 °F)	Non-condensing
Operating Altitude	Up to 2000 m (6500 ft)	
Non-operating altitude	Up to 4600 m (14950 ft)	For storing the module
Safety standards: IEC, CSA, UL	Installation Category II, Pollution Degree 2	For indoor use only. Research Use Only. Not for use in Diagnostic Procedures.

## Performance Specifications

**Table 5** Performance Specification Agilent 1200 Series Preparative Pump

Type	Specification
Hydraulic system	Dual pistons in parallel
flow rangeSettable	0.001 – 100 ml/min
Flow precision	< 0.5 % RSD
Pressure range	20 to 400 bar (5880 psi) system pressure
Compressibility compensation	User-selectable, based on mobile phase compressibility
Recommended pH range	1.0 – 12.5, solvents with pH < 2.3 should not contain acids which attack stainless steel.
Control and data evaluation	Agilent ChemStation for LC and LC/MS
Communications	Controller-area network (CAN), RS-232, APG Remote: ready, start, stop and shut-down signals, CAN-DC OUT, LAN optional
Safety and maintenance	Extensive diagnostics, error detection and display (through control module and Agilent ChemStation), leak detection, safe leak handling, leak output signal for shutdown of pumping system. Low voltages in major maintenance areas.
GLP features	Early maintenance feedback (EMF) for continuous tracking of instrument usage in terms of seal wear and volume of pumped mobile phase with user-settable limits and feedback messages. Electronic records of maintenance and errors.
Housing	All materials recyclable.