heidolph
research made easy

Hei-TORQUE Expert 100
Technical datasheet



Dimensions (W × H × D)	86 × 350 × 247 mm
Weight	4.4 kg
Drive	EC motor
Speed range	10 - 2.000 rpm
Protection class (EN 60529)	IP54
Acoustic Pressure	< 50 (based on IEC 61010)
Rated Voltage	100 – 240 V AC; 50/60 Hz
Protection Class	I (IEC 61140
Overvoltage Category	II
Degree of Pollution	2
Power input	90 W
Operating temperature	5 °C – 31 °C at up to 80 % rel. humidity | 32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly)
Installation Altitude	up to 2,000 m asl
Motor protection	KTY temperature monitoring
Overload protection	Automatic cut-out with display
Speed accuracy (%)	± 1
Speed control	electronic
Stirrer shaft (∅ in mm)	2.5 – 10.5
Permissible duty cycle	suitable for continuous operation
Volume H2O max. (L)	50

Viscosity up to (mPa s)	60000
Max. torque (Ncm)	100
Number of gear stages	1
Clockwise / counterclockwise rotation	n.a.
RS232	