

Technical Data

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|---|---|
| Stirring quantity max. per stirring position (H2O) [l] | 100 |
| Motor rating input [W] | 135 |
| Motor rating output [W] | 84 |
| Motor principle | Brushless DC |
| Speed display | TFT |
| Speed range [rpm] | 0/6 - 2000 |
| Intermittent operation | yes |
| Viscosity max. [mPas] | 100000 |
| Output max. at stirring shaft [W] | 84 |
| Permissible ON time [%] | 100 |
| Torque max. at stirring shaft [Ncm] | 200 |
| Torque I max. [Ncm] | 200 |
| Torque II max. [Ncm] | 40 |
| Speed range I (50 Hz) [rpm] | 6 - 400 |
| Speed range II (50 Hz) [rpm] | 30 - 2000 |
| Speed range I (60 Hz) [rpm] | 6 - 400 |
| Speed range II (60 Hz) [rpm] | 30 - 2000 |
| Speed control | stepless |
| Setting accuracy speed [\pm rpm] | 1 |
| Deviation of speed measurement $n > 300$ rpm [\pm %] | 1 |
| Deviation of speed measurement $n < 300$ rpm [\pm rpm] | 3 |
| Stirring element fastening | chuck |
| Connection for ext. temperature sensor | PT1000 |
| Temperature display | yes |
| Plug-in coupling (\varnothing) [mm] | 10 |
| Chuck range diameter [mm] | 0.5 - 10 |
| Hollow shaft, inner diameter [mm] | 10.3 |
| Hollow shaft (push-through - when stopped) | yes |
| Fastening on stand | extension arm |
| Extension arm diameter [mm] | 16 |
| Extension arm length [mm] | 220 |
| Torque display | yes |
| Speed control | electronic |
| Nominal torque [Nm] | 2 |
| Torque measurement | trend |
| Deviation of torque measurement I [\pm Ncm] | 20 |
| Deviation of torque measurement II [\pm Ncm] | 6 |
| Timer | yes |
| Timer display | TFT |
| Time setting range [min] | 1 - 6000 |
| Temperature measuring range [°C] | -10 - +350 |
| Temperature measurement resolution [K] | 0.1 |
| Accuracy of temperature measurement [K] | ± 0.5 + tolerance PT1000 (DIN EN 60751 Class A) |
| Limit deviation temperature sensor [K] | $\leq \pm (0.15 + 0.002 \times T)$ |
| Housing material | alu-cast coating / thermoplastic polymer |
| Communication distance (depend on building) max. [m] | 150 |
| Dimensions (W x H x D) [mm] | 91 x 297 x 231 |
| Weight [kg] | 4.9 |



designed for scientists

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|--|-----------------------|
| Permissible ambient temperature [°C] | 5 - 40 |
| Permissible relative humidity [%] | 80 |
| Protection class according to DIN EN 60529 | IP 40 |
| RS 232 interface | yes |
| USB interface | yes |
| Voltage [V] | 230 / 100 - 115 / 100 |
| Frequency [Hz] | 50/60 |
| Power input [W] | 130 |

