

# IKA

designed for scientists



## RW 47 digital

/// Data Sheet

Extremely powerful, mechanically controlled laboratory stirrer designed for highly viscous applications for quantities up to 200 l (H<sub>2</sub>O). It is suitable for intensive mixing for use in laboratories and pilot plants. The stirrer comes equipped with a protection for overheating of the motor by means of self-locking temperature limiter. Additionally, to secure bowls, a stirring shaft protection and clamping fixture are optionally available.

- Digital speed display
- Infinitely adjustable speed (57 - 1300 rpm) in two speed ranges
- Overload protection



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- Error code display
- Robust, ergonomic design
- Quiet operation
- With constant power-drive



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## Technical Data

|   |  |
|---|--|
| Stirring quantity max. per stirring position (H <sub>2</sub> O) [l] | 200                                      |
| Motor rating input [W]  | 513                                      |
| Motor rating output [W]   | 370                                      |
| Motor principle   | three-phase current                      |
| Speed display   | LED                                      |
| Speed range [rpm]   | 57 - 1300                                |
| Viscosity max. [mPas]   | 100000                                   |
| Output max. at stirring shaft [W]                                   | 300                                      |
| Permissible ON time [%]   | 100                                      |
| Torque max. at stirring shaft [Ncm]                                 | 3000                                     |
| Torque max. at stirring shaft at 60 1/min (overload) [Ncm]          | 4642                                     |
| Torque max. at stirring shaft at 100 1/min [Ncm]                    | 3000                                     |
| Torque max. at stirring shaft at 1.000 1/min [Ncm]                  | 285                                      |
| Torque I max. [Ncm]   | 3000                                     |
| Torque II max. [Ncm]  | 620                                      |
| Speed range I (50 Hz) [rpm]   | 57 - 275                                 |
| Speed range II (50 Hz) [rpm]  | 275 - 1300                               |
| Speed control   | stepless                                 |
| Setting accuracy speed [±rpm]                                       | 1  |
| Deviation of speed measurement [±rpm]                               | 10                                       |
| Stirring element fastening  | chuck                                    |
| Chuck range diameter [mm]   | 3 - 16                                   |
| Hollow shaft, inner diameter [mm]                                   | 13                                       |
| Fastening on stand  | flange                                   |
| Speed control   | mechanical                               |
| Nominal torque [Nm]   | 30                                       |
| Housing material  | alu-cast coating / thermoplastic polymer |
| Dimensions (W x H x D) [mm]   | 145 x 465 x 358                          |
| Weight [kg]   | 16                                       |
| Permissible ambient temperature [°C]                                | 5 - 40                                   |
| Permissible relative humidity [%]                                   | 80                                       |
| Protection class according to DIN EN 60529                          | IP 54                                    |
| Voltage [V]   | 3 x 400 / 3 x 230                        |
| Frequency [Hz]  | 50                                       |
| Power input [W]   | 513                                      |



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