



Scientific Equipment

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# 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

[www.ika.com](http://www.ika.com)

Subject to technical changes





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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 (H2O) [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 [ $\pm$ rpm]	1
Deviation of speed measurement [ $\pm$ 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

