



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 (H₂O). 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, a stirring shaft protection (R 303) and a clamping fixture (R 6547.1) to secure mixing vessels are available as accessories.

- 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
- SI 400 safety switch and SI 474 fixing device are available as optional accessories allowing the user to switch on the instrument only at a defined height in the stand's working range

The device requires a 3-phase electricity supply and power cord (not included in scope of delivery) in order to operate. The connection of the unit to the power supply must be done by a qualified electrician. Wiring diagrams are included in the manual for reference.

Technical Data

Stirring quantity max. per stirring position (H2O) [l]	200
Motor rating input [W]	478
Motor rating output [W]	370
Motor principle	three-phase current
Speed display	LED
Speed range [rpm]	69 - 1560
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 (60 Hz) [rpm]	69 - 330
Speed range II (60 Hz) [rpm]	330 - 1560
Speed adjustment	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 478 x 358
Weight [kg]	16.6
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 54
Voltage [V]	3 x 230
Frequency [Hz]	60
Power input [W]	490