

## Data Sheet

Mixing / Overhead Stirrers



## RW 20 digital

The bestseller in the laboratory:

- With digital display
- Robust, slimline, ergonomic design
- Technical improvements on the trusted RW 20 series designs
- With constant power-drive
- Two speed ranges for universal use from 60 - 2.000 rpm
- Push-through agitator shafts (only when stationary)
- For stirring quantities of up to 20 l (H<sub>2</sub>O)

Accessories: R 1342 Propeller stirrer, 4-bladed, R 1381 Propeller stirrer, 3-bladed, R 1382 Propeller stirrer, 3-bladed, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 1311 Turbine stirrer, R 1312 Turbine stirrer, R 1300 Dissolver stirrer, R 1303 Dissolver stirrer, R 1352 Centrifugal stirrer, R 1330 Anchor stirrer, R 3000.1 Moebius stirrer, R 3001.1 Moebius stirrer, R 3003 Spiral stirrer, R 3003.1 Spiral stirrer, R 3003.2 Spiral stirrer, R 3004 Blade stirrer, R 3004.1 Blade stirrer, R 3004.2 Blade stirrer, BC 1000 Beaker cap, FK 1 Flexible coupling, R 301 Stirring shaft protection, R 182 Boss head clamp, RH 3 Strap clamp, R 1825 Plate stand, R 1826 Plate stand, R 1827 Plate stand

| Technical Data                                                      |                       |
|---------------------------------------------------------------------|-----------------------|
| Stirring quantity max. per stirring position (H <sub>2</sub> O) [l] | 20                    |
| Motor rating input [W]                                              | 85                    |
| Motor rating output [W]                                             | 35                    |
| Speed display                                                       | LED                   |
| Speed range [rpm]                                                   | 60 - 2000             |
| Viscosity max. [mPas]                                               | 10000                 |
| Output max. at stirring shaft [W]                                   | 26                    |
| Permissible ON time [%]                                             | 100                   |
| Torque max. at stirring shaft [Ncm]                                 | 150                   |
| Torque max. at stirring shaft at 60 1/min (overload) [Ncm]          | 300                   |
| Torque max. at stirring shaft at 100 1/min [Ncm]                    | 150                   |
| Torque max. at stirring shaft at 1.000 1/min [Ncm]                  | 24                    |
| Speed range I (50 Hz) [rpm]                                         | 60 - 500              |
| Speed range II (50 Hz) [rpm]                                        | 240 - 2000            |
| Speed range I (60 Hz) [rpm]                                         | 72 - 600              |
| Speed range II (60 Hz) [rpm]                                        | 288 - 2400            |
| Speed control                                                       | stepless              |
| Setting accuracy speed [±rpm]                                       | 1                     |
| deviation of speed measurement [±rpm]                               | 30                    |
| Stirring element fastening                                          | chuck                 |
| Temperature display                                                 | no                    |
| Chuck range min. diameter [mm]                                      | 0.5                   |
| Chuck range max. diameter [mm]                                      | 10                    |
| Hollow shaft, inner diameter [mm]                                   | 10.5                  |
| Hollow shaft (push-through - when stopped)                          | yes                   |
| Fastening on stand                                                  | extension arm         |
| Extension arm diameter [mm]                                         | 13                    |
| Extension arm length [mm]                                           | 160                   |
| Torque display                                                      | no                    |
| Speed control                                                       | mechanical            |
| Nominal torque [Nm]                                                 | 1.5                   |
| Timer                                                               | no                    |
| Dimensions (W x H x D) [mm]                                         | 88 x 294 x 212        |
| Weight [kg]                                                         | 3.1                   |
| Permissible ambient temperature [°C]                                | 5 - 40                |
| Permissible relative humidity [%]                                   | 80                    |
| Protection class according to DIN EN 60529                          | IP 20                 |
| RS 232 interface                                                    | no                    |
| USB interface                                                       | no                    |
| Analog output                                                       | no                    |
| Voltage [V]                                                         | 220 - 240 / 100 - 115 |
| Frequency [Hz]                                                      | 50/60                 |
| Power input [W]                                                     | 87                    |
| Ident. No.                                                          | 0003593001            |