

## Data Sheet

Mixing / Overhead Stirrers



### RW 16 basic

Laboratory stirrer for simple stirring tasks of up to 10 liters (H<sub>2</sub>O) with ideal speed range from 40 - 1,200 rpm. Especially suitable for schools, universities and inspection laboratories

- Infinitely adjustable without gear shifting
- Slim casing
- Quiet operation
- Safety circuit
- Non-locking, overload capabilities

Accessories: R 1342 Propeller stirrer, 4-bladed, R 1827 Plate stand, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 1330 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, FK 1 Flexible coupling, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 301 Stirring shaft protection, R 182 Boss head clamp, R 1303 Dissolver stirrer, RH 3 Strap clamp, R 1825 Plate stand, R 1826 Plate stand, R 1352 Centrifugal stirrer

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	10
Motor rating input [W]	75
Motor rating output [W]	55
Speed display	scale
Speed range [rpm]	40 - 1200
Viscosity max. [mPas]	10000
Output max. at stirring shaft [W]	53
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	40
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	50
Torque max. at stirring shaft at 100 1/min [Ncm]	48
Torque max. at stirring shaft at 1.000 1/min [Ncm]	34
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	11
Hollow shaft (push-through $\zeta$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	13
Extension arm length [mm]	160
Torque display	no
Nominal torque [Nm]	0.4
Dimensions (W x H x D) [mm]	80 x 222 x 190
Weight [kg]	2.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	no
Analog output	no
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	75
<b>Ident. No.</b>	<b>2572100</b>

## Data Sheet

Mixing / Overhead Stirrers



### RW 47 D

The most powerful IKA® stirrer for laboratories, pilot plant stations and small-scale production.

- For stirring tasks up to 200 l (H<sub>2</sub>O)
- Two speed ranges for highly viscous media and intensive mixing
- Cables and plugs not included in delivery

Accessories: R 1385 Propeller stirrer, 3-bladed, SI 400 Safety switch, R 472 Floor stand, R 2302 Propeller stirrer, 4-bladed, R 2311 Paddle stirrer, R 1345 Propeller stirrer, 4-bladed, R 1376 Paddle stirrer, R 1355 Centrifugal stirrer, R 474 Telescopic stand, R 1302 Dissolver stirrer, R 1333 Anchor stirrer, R 302 Stirring shaft protection, SI 472 Fixing device, SI 474 Fixing device, R 1388 Propeller stirrer, 3-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	200
Motor rating input [W]	513
Motor rating output [W]	370
Speed display	scale
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
Speed range I (50 Hz) [rpm]	57 - 275
Speed range II (50 Hz) [rpm]	275 - 1300
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	3
Chuck range max. diameter [mm]	16
Hollow shaft, inner diameter [mm]	13
Hollow shaft (push-through $\zeta$ when stopped)	no
Fastening on stand	flange
Torque display	no
Nominal torque [Nm]	30
Dimensions (W x H x D) [mm]	145 x 445 x 340
Weight [kg]	15
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 54
RS 232 interface	no
Analog output	no
Voltage [V]	3 x 400 Y / 3 x 230
Frequency [Hz]	50
Power input [W]	513
<b>Ident. No.</b>	<b>1602000</b>



### RW 28 basic Package

For batches up to 80 ltr (H<sub>2</sub>O)

Powerful, mechanically controlled stirrer. Two speed ranges for highly viscous media and intensive mixing. Push-through mixing tools. Special motor overheating protection by means of self-locking temperature limiter. Stirring shaft protection and clamping fixture to secure bowls are optionally available.

**Package:**

- RW 28 basic (drive)
- R 271 Boss head clamp
- R 2723 Telescopic stand
- R 1385 Propeller stirrer

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	80
Motor rating input [W]	220
Motor rating output [W]	90
Speed display	scale
Speed range [rpm]	60 - 1400
Viscosity max. [mPas]	50000
Output max. at stirring shaft [W]	90
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	900
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	1144
Torque max. at stirring shaft at 100 1/min [Ncm]	900
Torque max. at stirring shaft at 1.000 1/min [Ncm]	86
Speed range I (50 Hz) [rpm]	60 - 400
Speed range II (50 Hz) [rpm]	240 - 1400
Speed range I (60 Hz) [rpm]	72 - 480
Speed range II (60 Hz) [rpm]	288 - 1680
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	1
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	10.5
Hollow shaft (push-through $\zeta$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	145
Torque display	no
Nominal torque [Nm]	9.0
Dimensions (W x H x D) [mm]	123 x 364 x 252
Weight [kg]	7.4
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	220
<b>Ident. No.</b>	<b>9019400</b>

## Data Sheet

Mixing / Overhead Stirrers



### RW 28 basic

Powerful, mechanically controlled stirrer. Suitable for quantities up to 80 l (H<sub>2</sub>O) for use in laboratories and pilot plant stations.

- Two speed ranges for highly viscous media and for intensive mixing
- Push-through agitator elements

Accessories: R 1385 Propeller stirrer, 3-bladed, RH 5 Strap clamp, R 1300 Dissolver stirrer, R 1345 Propeller stirrer, 4-bladed, R 1375 Paddle stirrer, R 1376 Paddle stirrer, R 1355 Centrifugal stirrer, R 2722 H-Stand, R 2723 Telescopic stand, R 1331 Anchor stirrer, R 1313 Turbine stirrer, FK 1 Flexible coupling, R 1302 Dissolver stirrer, R 301 Stirring shaft protection, R 301.1 Support holder, R 271 Boss head clamp, R 1333 Anchor stirrer, R 1388 Propeller stirrer, 3-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	80
Motor rating input [W]	220
Motor rating output [W]	90
Speed display	scale
Speed range [rpm]	60 - 1400
Viscosity max. [mPas]	50000
Output max. at stirring shaft [W]	90
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	900
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	1144
Torque max. at stirring shaft at 100 1/min [Ncm]	900
Torque max. at stirring shaft at 1.000 1/min [Ncm]	86
Speed range I (50 Hz) [rpm]	60 - 400
Speed range II (50 Hz) [rpm]	240 - 1400
Speed range I (60 Hz) [rpm]	72 - 480
Speed range II (60 Hz) [rpm]	288 - 1680
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	1
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	10.5
Hollow shaft (push-through $\zeta$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	145
Torque display	no
Nominal torque [Nm]	9.0
Dimensions (W x H x D) [mm]	123 x 364 x 252
Weight [kg]	7.4
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	220
<b>Ident. No.</b>	<b>2760000</b>

## Data Sheet

Mixing / Overhead Stirrers



### RW 20 digital

Bringing the future to your laboratory:

- new: With digital display
- new: Robust, slimline, ergonomic design
- new: 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)

Accessories: R 1300 Dissolver stirrer, R 1827 Plate stand, R 1352 Centrifugal stirrer, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 1330 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, FK 1 Flexible coupling, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 301 Stirring shaft protection, R 182 Boss head clamp, R 1303 Dissolver stirrer, RH 3 Strap clamp, R 1825 Plate stand, R 1826 Plate stand, R 1342 Propeller stirrer, 4-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	20
Motor rating input [W]	70
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
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	10.5
Hollow shaft (push-through $\checkmark$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	13
Extension arm length [mm]	160
Torque display	no
Nominal torque [Nm]	1.5
Dimensions (W x H x D) [mm]	88 x 294 x 212
Weight [kg]	3.1
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 20
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240 / 100 - 115
Frequency [Hz]	50/60
Power input [W]	72
<b>Ident. No.</b>	<b>3593000</b>



### RW 11 basic "Lab egg" creamy blue

Small-sized stirrer available in four attractive colors.

- Glass housing resistant to chemicals
- Max. stirring quantity 2 l (H<sub>2</sub>O)
- Incl. paddle stirrer R 1001 and extension arm

Accessories: R 1001 Paddle stirrer, R 1002 Screw-type stirrer, R 104 Stand

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	2
Motor rating input [W]	8
Motor rating output [W]	1
Speed range [rpm]	0 - 2000
Viscosity max. [mPas]	100
Output max. at stirring shaft [W]	1
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	0.8
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	0.8
Torque max. at stirring shaft at 100 1/min [Ncm]	0.8
Torque max. at stirring shaft at 1.000 1/min [Ncm]	0.8
Speed control	stepless
Stirring element fastening	plug-in coupling
Plug-in coupling (Ø) [mm]	4
Hollow shaft (push-through $\zeta$ when stopped)	none
Fastening on stand	integrated
Support rod diameter (with integrated fastening on stand) [mm]	10
Torque display	no
Nominal torque [Nm]	0.008
Dimensions (W x H x D) [mm]	86 x 89 x 175
Weight [kg]	0.39
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	no
Analog output	no
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	8
<b>Ident. No.</b>	<b>2830004</b>

## Data Sheet

Mixing / Overhead Stirrers



### EUROSTAR power control-visc 6000

High-performance digital laboratory stirrer for tasks up to the "medium viscosity" range.

Same features as EUROSTAR power control-visc, additionally:

- Speed range up to 6.000 rpm
- Agitator elements are not push-through
- Cone seat for precision shaft, incl. with delivery (stirring elements can be screw connected, please order separately)
- Analog output of speed and torque

Accessories: R 1402 Dissolver, R 1405 Propeller, R 2722 H-Stand, RH 5 Strap clamp, R 301 Stirring shaft protection, R 271 Boss head clamp, labworldsoft®, R 2723 Telescopic stand

#### Technical Data

Stirring quantity max. (H <sub>2</sub> O) [l]	20
Motor rating input [W]	130
Motor rating output [W]	110
Speed display	LCD
Speed range [rpm]	150 - 6000
Viscosity max. [mPas]	10000
Output max. at stirring shaft [W]	95
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	15
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	15
Torque max. at stirring shaft at 100 1/min [Ncm]	15
Torque max. at stirring shaft at 1.000 1/min [Ncm]	15
Speed control	stepless
Stirring element fastening	special output shaft
Hollow shaft (push-through $\checkmark$ when stopped)	no
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	220
Torque display	yes
Nominal torque [Nm]	0.15
Torque measurement	trend
Dimensions (W x H x D) [mm]	80 x 317 x 190
Weight [kg]	4.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
Analog output	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	130
<b>Ident. No.</b>	<b>3460000</b>

## Data Sheet

Mixing / Overhead Stirrers



### EUROSTAR power control-visc P7

Laboratory stirrer with a high torque, 7-fold transmission reduction for processing highly viscous media.

- Constant speed by microprocessor control
- Digital display presents rated - / actual speed
- Infinitely adjustable without gear shifting
- Slim casing
- Quiet operation
- Safety circuit
- Non-locking, overload capabilities
- Enhanced safety as a result of smooth start
- Integrated torque trend display for viscosity control
- Analog interface for recording speed and torque
- RS 232 interface
- Agitator shafts are not push-through

Accessories: R 1385 Propeller stirrer, 3-bladed, RH 5 Strap clamp, R 1342 Propeller stirrer, 4-bladed, R 1345 Propeller stirrer, 4-bladed, R 1375 Paddle stirrer, R 1376 Paddle stirrer, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 2722 H-Stand, R 2723 Telescopic stand, R 1330 Anchor stirrer, R 1331 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, R 1313 Turbine stirrer, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 301 Stirring shaft protection, R 271 Boss head clamp, R 1333 Anchor stirrer, labworldsoft®, R 1388 Propeller stirrer, 3-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	40
Motor rating input [W]	130
Motor rating output [W]	110
Speed display	LCD
Speed range [rpm]	8 - 290
Viscosity max. [mPas]	150000
Output max. at stirring shaft [W]	95
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	380
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	380
Torque max. at stirring shaft at 100 1/min [Ncm]	380
Torque max. at stirring shaft at 1.000 1/min [Ncm]	380
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft (push-through $\checkmark$ when stopped)	none
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	200
Torque display	yes
Nominal torque [Nm]	3.8
Torque measurement	trend
Dimensions (W x H x D) [mm]	80 x 330 x 190
Weight [kg]	4.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
Analog output	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	130
<b>Ident. No.</b>	<b>2850700</b>

## Data Sheet

Mixing / Overhead Stirrers



### EUROSTAR power control-visc P4

Laboratory stirrer with a high torque, 4-fold transmission reduction for processing highly viscous media.

- Constant speed by microprocessor control
- Digital display presents rated - / actual speed
- Infinitely adjustable without gear shifting
- Slim casing
- Quiet operation
- Safety circuit
- Non-locking, overload capabilities
- Enhanced safety as a result of smooth start
- Integrated torque trend display for viscosity control
- Analog interface for recording speed and torque
- RS 232 interface
- Agitator shafts are not push-through

Accessories: R 1385 Propeller stirrer, 3-bladed, RH 5 Strap clamp, R 1342 Propeller stirrer, 4-bladed, R 1345 Propeller stirrer, 4-bladed, R 1375 Paddle stirrer, R 1376 Paddle stirrer, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 2722 H-Stand, R 2723 Telescopic stand, R 1330 Anchor stirrer, R 1331 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, R 1313 Turbine stirrer, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 301 Stirring shaft protection, R 271 Boss head clamp, R 1333 Anchor stirrer, labworldsoft®, R 1388 Propeller stirrer, 3-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	40
Motor rating input [W]	130
Motor rating output [W]	110
Speed display	LCD
Speed range [rpm]	14 - 530
Viscosity max. [mPas]	100000
Output max. at stirring shaft [W]	95
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	200
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	200
Torque max. at stirring shaft at 100 1/min [Ncm]	200
Torque max. at stirring shaft at 1.000 1/min [Ncm]	200
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft (push-through $\checkmark$ when stopped)	none
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	200
Torque display	yes
Nominal torque [Nm]	2
Torque measurement	trend
Dimensions (W x H x D) [mm]	80 x 330 x 190
Weight [kg]	4.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
Analog output	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	130
<b>Ident. No.</b>	<b>2850000</b>

## Data Sheet

Mixing / Overhead Stirrers



### EUROSTAR power control-visc P1

Powerful, digital laboratory stirrer for tasks up to the high viscosity range.

- Max. torque at chuck 100 Ncm
- Constant speed by microprocessor control
- Infinitely adjustable without gear shifting
- Slim casing
- Quiet operation
- Safety circuit
- Non-locking, overload capabilities
- Push-through agitator shafts
- Enhanced safety as a result of smooth start
- Digital display presents rated- and actual- speed
- Integrated torque trend display for viscosity control
- Analog interface for recording speed and torque
- RS 232 interface
- Software labworldsoft® is available to control and document all measuring values via PC

Accessories: R 1385 Propeller stirrer, 3-bladed, RH 5 Strap clamp, R 1342 Propeller stirrer, 4-bladed, R 1345 Propeller stirrer, 4-bladed, R 1375 Paddle stirrer, R 1376 Paddle stirrer, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 2722 H-Stand, R 2723 Telescopic stand, R 1330 Anchor stirrer, R 1331 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, R 1313 Turbine stirrer, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 301 Stirring shaft protection, R 271 Boss head clamp, R 1333 Anchor stirrer, labworldsoft®, R 1388 Propeller stirrer, 3-bladed

#### Technical Data

Stirring quantity max. (H <sub>2</sub> O) [l]	60
Motor rating input [W]	153
Motor rating output [W]	134
Speed display	LCD
Speed range [rpm]	50 - 1200
Viscosity max. [mPas]	70000
Output max. at stirring shaft [W]	126
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	100
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	100
Torque max. at stirring shaft at 100 1/min [Ncm]	100
Torque max. at stirring shaft at 1.000 1/min [Ncm]	100
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	11
Hollow shaft (push-through $\zeta$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	200
Torque display	yes
Nominal torque [Nm]	1
Torque measurement	trend
Dimensions (W x H x D) [mm]	80 x 253 x 190
Weight [kg]	4
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
Analog output	yes
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	153
<b>Ident. No.</b>	<b>3330000</b>

## Data Sheet

Mixing / Overhead Stirrers



### EUROSTAR power control-visc

Powerful, digital laboratory stirrer for tasks up to the - high viscosity - range.

Same features as EUROSTAR power basic, additionally: labworldsoft® software is available to allow speed and torque parameters to be controlled, regulated and documented via a PC.

- Digital display presents rated - / actual speed
- Integrated torque trend display for viscosity control
- Analog interface for recording speed and torque
- RS 232 interface

Accessories: R 1300 Dissolver stirrer, RH 5 Strap clamp, R 1345 Propeller stirrer, 4-bladed, R 1352 Centrifugal stirrer, R 1375 Paddle stirrer, R 1355 Centrifugal stirrer, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 2722 H-Stand, R 2723 Telescopic stand, R 1330 Anchor stirrer, R 1331 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, R 1313 Turbine stirrer, FK 1 Flexible coupling, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 1302 Dissolver stirrer, R 301 Stirring shaft protection, R 271 Boss head clamp, R 1303 Dissolver stirrer, labworldsoft®, R 1342 Propeller stirrer, 4-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	40
Motor rating input [W]	130
Motor rating output [W]	110
Speed display	LCD
Speed range [rpm]	50 - 2000
Viscosity max. [mPas]	50000
Output max. at stirring shaft [W]	105
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	60
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	60
Torque max. at stirring shaft at 100 1/min [Ncm]	60
Torque max. at stirring shaft at 1.000 1/min [Ncm]	60
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	11
Hollow shaft (push-through $\zeta$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	200
Torque display	yes
Nominal torque [Nm]	0.6
Torque measurement	trend
Dimensions (W x H x D) [mm]	80 x 253 x 190
Weight [kg]	3.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
Analog output	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	130
<b>Ident. No.</b>	<b>2600000</b>

## Data Sheet

Mixing / Overhead Stirrers



### EUROSTAR power basic

Powerful laboratory stirrer for tasks up to the - high viscosity - range.

- Constant speed by microprocessor control
- Infinitely adjustable without gear shifting
- Slim casing
- Quiet operation
- Safety circuit
- Non-locking, overload capabilities
- Push-through agitator shafts
- Enhanced safety as a result of smooth start
- Analog recording of speed parameters is possible

Accessories: R 1300 Dissolver stirrer, RH 5 Strap clamp, R 1345 Propeller stirrer, 4-bladed, R 1352 Centrifugal stirrer, R 1375 Paddle stirrer, R 1355 Centrifugal stirrer, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 2722 H-Stand, R 2723 Telescopic stand, R 1330 Anchor stirrer, R 1331 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, R 1313 Turbine stirrer, FK 1 Flexible coupling, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 1302 Dissolver stirrer, R 301 Stirring shaft protection, R 271 Boss head clamp, R 1303 Dissolver stirrer, R 1342 Propeller stirrer, 4-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	40
Motor rating input [W]	130
Motor rating output [W]	110
Speed display	scale
Speed range [rpm]	50 - 2000
Viscosity max. [mPas]	50000
Output max. at stirring shaft [W]	105
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	60
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	60
Torque max. at stirring shaft at 100 1/min [Ncm]	60
Torque max. at stirring shaft at 1.000 1/min [Ncm]	60
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	11
Hollow shaft (push-through $\zeta$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	200
Torque display	no
Nominal torque [Nm]	0.6
Dimensions (W x H x D) [mm]	80 x 253 x 190
Weight [kg]	3.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	no
Analog output	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	130
<b>Ident. No.</b>	<b>2572200</b>

## Data Sheet

Mixing / Overhead Stirrers



### EUROSTAR digital

Laboratory stirrer that can be used up to the medium viscosity range.

- Constant speed by microprocessor control
- Digital display presents set and actual speed
- Infinitely adjustable without gear shifting
- Slim casing
- Quiet operation
- Safety circuit
- Non-locking, overload capabilities
- Push-through agitator shafts
- Enhanced safety as a result of smooth start

Accessories: R 1300 Dissolver stirrer, R 1827 Plate stand, R 1352 Centrifugal stirrer, R 1382 Propeller stirrer, 3-bladed, R 1381 Propeller stirrer, 3-bladed, R 1330 Anchor stirrer, R 1311 Turbine stirrer, R 1312 Turbine stirrer, FK 1 Flexible coupling, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 301 Stirring shaft protection, R 182 Boss head clamp, R 1303 Dissolver stirrer, RH 3 Strap clamp, R 1825 Plate stand, R 1826 Plate stand, R 1342 Propeller stirrer, 4-bladed

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	20
Motor rating input [W]	75
Motor rating output [W]	55
Speed display	LCD
Speed range [rpm]	50 - 2000
Viscosity max. [mPas]	10000
Output max. at stirring shaft [W]	53
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	30
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	30
Torque max. at stirring shaft at 100 1/min [Ncm]	30
Torque max. at stirring shaft at 1.000 1/min [Ncm]	30
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	11
Hollow shaft (push-through $\zeta$ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	13
Extension arm length [mm]	160
Torque display	no
Nominal torque [Nm]	0.3
Dimensions (W x H x D) [mm]	80 x 222 x 190
Weight [kg]	2.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	no
Analog output	no
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	75
<b>Ident. No.</b>	<b>2482000</b>



### RW 47 basic Package

For batches up to 200 ltr (H<sub>2</sub>O)

The very powerful IKA® stirrer for laboratories, pilot plants and small-scale production. Two speed ranges for highly viscous media and intensive mixing. Cables and plugs not included in the delivery.

Package:  
 RW 47 D (drive)  
 R 2302 Propeller stirrer  
 R 474 Telescopic stand

Technical Data	
Stirring quantity max. (H <sub>2</sub> O) [l]	200
Motor rating input [W]	513
Motor rating output [W]	370
Speed display	scale
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
Speed range I (50 Hz) [rpm]	57 - 275
Speed range II (50 Hz) [rpm]	275 - 1300
Speed control	stepless
Stirring element fastening	chuck
Chuck range min. diameter [mm]	3
Chuck range max. diameter [mm]	16
Hollow shaft, inner diameter [mm]	13
Hollow shaft (push-through $\zeta$ when stopped)	no
Fastening on stand	flange
Torque display	no
Nominal torque [Nm]	30
Dimensions (W x H x D) [mm]	145 x 445 x 340
Weight [kg]	15
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 54
RS 232 interface	no
Analog output	no
Voltage [V]	3 x 400 Y
Frequency [Hz]	50
Power input [W]	513
<b>Ident. No.</b>	<b>9019500</b>