

## PLW 8693 [DC10]

Laboratory dishwasher

with liquid dispensing & hot air drying DryPlus.



- Perf./cycle, e.g. 128 laboratory flasks
- Flexible and simple – modular load carriers & EasyLoad system
- Maximum user convenience with M Touch Flex full-touch colour display
- Efficient hot air drying – DryPlus
- Connectivity as standard via WiFi
- Efficient use of resources – variable speed heater pump

EAN: 4002516885047 / Material number: 12800370 /  
Old Material Number: 62869354GB

### Construction type and version

|                                             |                                            |
|---------------------------------------------|--------------------------------------------|
| Construction type                           | Freestanding, can be built-under, slimline |
| Range                                       | ExpertLine                                 |
| Control panel colour                        | Black                                      |
| Casing                                      | Stainless steel                            |
| Can be built-under                          | •                                          |
| Lid                                         | Stainless Steel                            |
| Number of wash levels                       | 2                                          |
| AutoClose – automatic door lock             | •                                          |
| Buzzer, acoustic signal at end of programme | •                                          |
| Service-friendly design                     | •                                          |

### Application

|                           |   |
|---------------------------|---|
| Suitable for laboratories | • |
|---------------------------|---|

### Capacity

|                                            |     |
|--------------------------------------------|-----|
| Narrow-necked glassware per cycle [number] | 64  |
| Test tubes per cycle [number]              | 196 |
| Vials per cycle [number]                   | 196 |
| Laboratory flasks per cycle [number]       | 128 |
| Pipettes per cycle [number]                | 98  |

### Performance data

|                                       |        |
|---------------------------------------|--------|
| Circulation pump, Qmax in l/min       | 500    |
| Wash cabinet usable capacity in l     | 145.00 |
| Tested operating hours                | 15000  |
| Maximum final rinse temperature in °C | 93     |

### Control system

|                                   |              |
|-----------------------------------|--------------|
| Control type                      | M Touch Flex |
| Max. delay start in h             | 24           |
| Programmability                   | programmable |
| Programmes [number]               | 20           |
| Free programme positions [number] | 10           |
| Time left display                 | •            |
| Programme sequence display        | •            |
| Selectable display languages      | •            |

### Standard electrical connection

|                                       |              |
|---------------------------------------|--------------|
| Electrical connection                 | AC 230V 50HZ |
| Electric heater rating in kW          | 5.50         |
| Total rated load in kW                | 6.30         |
| Fuse rating in A                      | 32           |
| Length of mains connection cable in m | 1.90         |

### Possible voltage variant 1

|                       |              |
|-----------------------|--------------|
| Electrical connection | AC 230V 50HZ |
|-----------------------|--------------|

### Water connection/drainage

|                                            |          |
|--------------------------------------------|----------|
| Cold water [number]                        | 1        |
| Hot water [number]                         | 1        |
| Required flow pressure in kPa              | 200-1000 |
| DI water [number]                          | 1        |
| Maximum delivery head for drain pump in cm | 100      |

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|                                                                         |                     |
|-------------------------------------------------------------------------|---------------------|
| Maximum water hardness (cold water/hot water) in mmol/l                 | 10.70               |
| VEP feed pump for demineralised water (option)                          | •                   |
| Drain pump [DN]                                                         | 22                  |
| Integrated water softener                                               | •                   |
| Water protection system                                                 | Waterproof system   |
| <b>Drying unit</b>                                                      |                     |
| Integrated drying unit                                                  | •                   |
| Fan in kW                                                               | 0.30                |
| Heater element in kW                                                    | 2.20                |
| Air throughput in m <sup>3</sup> /h                                     | 60                  |
| Time setting in 1-minute increments                                     | 0-120               |
| HEPA filter class                                                       | H13                 |
| HEPA filter filtration efficiency (in accordance with DIN EN 1822) in % | 99.95               |
| HEPA filter service life in h                                           | 200                 |
| <b>Dimensions and weight</b>                                            |                     |
| External dimensions, net height in mm                                   | 835                 |
| External dimensions, net width in mm                                    | 598                 |
| External dimensions, net depth in mm                                    | 598                 |
| External dimensions, gross height in mm                                 | 920                 |
| External dimensions, gross width in mm                                  | 670                 |
| External dimensions, gross depth in mm                                  | 740                 |
| Wash cabinet, usable height in mm                                       | 520                 |
| Wash cabinet, usable width in mm                                        | 530                 |
| Wash cabinet, depth of upper basket in mm                               | 523                 |
| Net weight in kg                                                        | 81                  |
| Wash cabinet, depth of lower basket in mm                               | 520                 |
| Gross weight in kg                                                      | 90                  |
| Maximum floor load in N/m <sup>2</sup>                                  | 1220                |
| <b>Emissions data</b>                                                   |                     |
| Emission sound pressure level in the workplace                          | ≤70 dB(A) re 20 µPa |
| Heat dissipation into the room in MJ/h                                  | 4.32                |
| <b>Programmes</b>                                                       |                     |
| Standard                                                                | •                   |
| Intensive                                                               | •                   |
| Extra short                                                             | •                   |
| Universal                                                               | •                   |
| Inorganic                                                               | •                   |
| Organic                                                                 | •                   |
| Agar                                                                    | •                   |
| Injector Plus                                                           | •                   |
| Pipettes                                                                | •                   |
| Plastics                                                                | •                   |
| Oil                                                                     | •                   |
| Hygiene 93/10                                                           | •                   |
| Pasteurising                                                            | •                   |
| Cold water rinse                                                        | •                   |
| Demineralised water rinse                                               | •                   |

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## Features

|                                                                  |   |
|------------------------------------------------------------------|---|
| 1 dispenser pump for liquid cleaning agent                       | • |
| Suction lance for media canisters 10–20 l (optional)             | • |
| Convenient suction lance DC10                                    | • |
| Steam condenser                                                  | • |
| Spray pressure monitoring                                        | • |
| How-to sequences                                                 | • |
| Wash cabinet lighting                                            | • |
| Interface for process documentation (optional)                   | • |
| Multi-component filter system                                    | • |
| Variable-speed heater pump                                       | • |
| Load carrier – direct coupling                                   | • |
| DryPlus                                                          | • |
| In-door salt container                                           | • |
| Customer Service optical interface                               | • |
| Wash cabinet seamlessly welded using laser technology            | • |
| Heater elements outside wash cabinet                             | • |
| EasyLoad                                                         | • |
| Wash cabinet made from high-quality stainless steel (1.4301/304) | • |
| Extensive components (option)                                    | • |

## Connection options

|                               |   |
|-------------------------------|---|
| WiFi                          | • |
| Ethernet interface (optional) | • |
| External dispensing modules   | • |

## Standards, test certificates and symbols

|                                              |   |
|----------------------------------------------|---|
| IP safety class according to EN 60529: IP 21 | • |
| EN 61010-1                                   | • |
| EN 61010-2-040                               | • |
| Regulation 4 compliant                       | • |
| Machinery Directive 2006/42/EC               | • |
| KIWA certificate for water safety            | • |