

# MARS 1800

## TECHNICAL DATA



### HIGHLIGHTS

- Compact design enabling trouble-free installation and relocation
- V-shaped table top
- Sloped front
- Excellent light distribution
- Electrical sliding front window
- Easy window cleaning on both sides

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

### Details

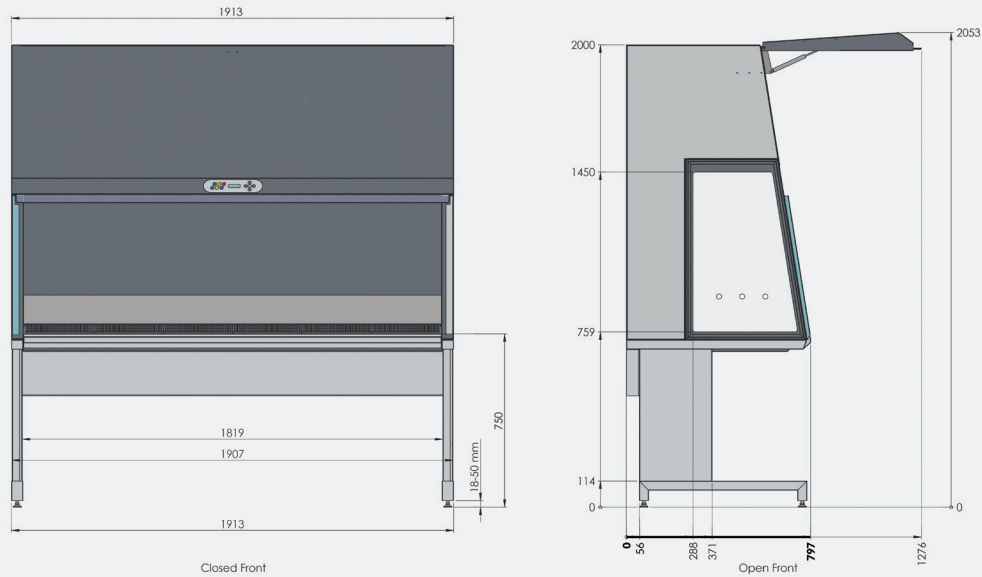
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|--|--|
| Product family                           | MARS   |
| Model:                                   | 1800   |
| Product type                             | Class II Biological Safety Cabinet according to EN 12469 |
| Certificates                             | None   |
| Compliance with                          | EN 12469, EN 61010-1, EN 61000-6, EN 11201               |
| e-catalogue classification (UNSPSC code) | 411035 Laminar flow cabinets or stations                 |

| General specifications                           | Unit              |   | Note   |
|--|-------------------|---|--|
| Sound pressure level at factory settings         | dB(A)             | ≤52                                       | According to EN 11201                              |
| Sound pressure level in Eco-Save mode            | dB(A)             | ≤39                                       | Optional automatic mode shift available            |
| Down flow, air velocity                          | m/s               | 0,28 ± 0,01                               | Factory setting according to EN 12469              |
| Inflow, air velocity                             | m/s               | 0,45                                      | Factory setting according to EN 12469              |
| Exhaust, air flow rate                           | m <sup>3</sup> /h | 583                                       | Factory setting according to EN 12469              |
| Light illuminance (flourescent tube)             | Lux               | > 2000                                    | Optionale dimmable version available               |
| Front opening (height)                           | mm                | 200                                       | Factory setting (adjustable between 0-300mm)       |
| Number of table top segments                     |                   | 6   | Customized layout and accessories upon request     |
| Filter construction in accordance with EN 1822-1 |                   | 2-filter system, HEPA, at least Class H14 | Class U17 available with MARS PRO 3-filter version |
| Table top and trough material                    |                   | AISI 304 stainless steel                  | Optional AISI 316 stainless steel available        |
| Table top max. total load                        | kg                | 100                                       |  |
| Side glass material                              |                   | 5 mm hardened glass w. 3 x ø22mm holes    | Other hole options available                       |
| Front glass material                             |                   | 6 mm laminated safety glass               | Optional antireflex coating available              |
| Cabinet and back wall material/colour            |                   | Polyester coated steel/RAL 9016           | Other RAL colours available upon request           |

| Dimensions  | Unit           |                        | Note   |
|---|----------------|------------------------|--|
| External dimensions with adjustable stand (Std. height) (DxWxH) | mm             | 797 x 1914 x 2033      | See drawing for details. Can pass through a standard door opening size 0,9x2,1M. Stand is available as an option |
| Table top height with adjustable stand (Std. height)            | mm             | 750 (Range 745-780)    | 2 additional stand heights available as options  |
| External dimensions with elec. elevation stand (DxWxH)          | mm             | 797 x 1914 X 2025-2325 | Available as an option   |
| Table top height with elec. elevation stand                     | mm             | 750-1050               |  |
| Work chamber dimensions (DxWxH)                                 | mm             | 480x1800x700           |  |
| Net weight  | kg             | 262                    |  |
| Shipping volume   | m <sup>3</sup> | Approx. 4,1            |  |

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| Electrical data                                      | Unit    |                           | Note   |
|--|---------|---------------------------|--|
| Rated AC voltage/frequency                           | V/Hz    | 220-240/50-60             | Other voltages available   |
| Rated max. current (fuse)                            | A       | 10                        |  |
| Power outlet(s) max. total current (fuse)            | A       | 6,3                       | The sum of all power outlets   |
| Type of power outlet socket, pair, left & right side |         | DK - type K (IP44)        | Other types available. Select between 9 different regional types         |
| Typical power consumption excl. power outlets        | VA/Watt | 199/183                   | With fluorescent dimmable light. At factory setting and normal operation |
| Typical power consumption excl. power outlets        | VA/Watt | 142/131                   | With LED dimmable light. At factory setting and normal operation         |
| Typical power consumption in Eco-Save mode           | VA/Watt | 61/50                     |  |
| Type of mains connection                             |         | 3pin male type IEC320 C14 | Top mounted, left or right side  |

| Additional available options                             | Unit |   | Note |
|--|------|---|------|
| Electrical elevation - Worktop height range              | mm   | 745-1050                                  |      |
| UV-C sterilisation                                       |      | Easy and fast decontamination             |      |
| Extra Power outlets, pair, left & right side             |      | Select between 9 different regional types |      |
| Antiblow back valve straight Ø 200 mm                    |      |   |      |
| Antiblow back valve side Ø 200 mm                        |      |   |      |
| Programmable output module for external control purposes |      | 4 sets of potential free contacts         |      |
| Hydrogen Peroxide Vapour (VHP) decontamination valves    |      |   |      |

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