

## Technical Data

| Features   | specification  |
|--|--|
| Ambient conditions                               | <ul style="list-style-type: none"> <li>- indoor use</li> <li>- maximum elevation 2000 m (6562 ft) above sea level</li> <li>- max. relative humidity 80 % up to 31°C (88°F), linearly decreasing down to 50 % relative humidity at 40°C (104°F).</li> </ul> |
| Ambient temperature allowed                      | +2 °C to +35 °C (36°F to 95°F)   |
| run time   | <ul style="list-style-type: none"> <li>- standard mode : 1min – 9 h 59 min, hold = permanent</li> <li>- extended mode : 1min – 99 h, hold</li> </ul>   |
| maximum speed ( $n_{max}$ )                      | 15 000 rpm (rotor-dependent, adjustable in steps of 10)  |
| minimum speed ( $n_{min}$ )                      | 300 rpm  |
| maximum RCF                                      | 21 885 (micro liter rotor)   |
| maximum kinetic energy Legend™ T+<br>Legend™ RT+ | 51.7 kJ (38 132 ft.lbf)<br>62.5 kJ (46 098 ft.lbf)   |
| noise at maximum speed Legend™ T+<br>Legend™ RT+ | < 66 dB (A)<br>< 55 dB (A)<br>(sound pressure level of emission according to DIN EN ISO 11 201)  |
| Temperature set range                            | -9 °C to +40 °C  |

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| Dimension (H x W x D)    Legend™ T+<br>Legend™ RT+  | 362 mm x 551 mm x 666 mm    ( 14.3 x 21.7 x 26.2 inches )<br>362 mm x 733 mm x 666 mm    ( 14.3 x 28.7 x 26.2 inches )   |
| Weight without rotor    Legend™ T+<br>Legend™ RT+   | 89 kg    ( 196 lb )<br>131 kg    ( 288 lb )  |
| Testing standards<br>- all devices manufactured and examined in agreement also:<br><br>- for 120 V only<br><br>- for 230 V only | IEC 61010-1:1990 + amendment 1:1992 + amendment 2:1995<br>IEC 61010-2-020:1993 + amendment 1:1996<br>- Pollution degree 2,    - Overvoltage category II<br><br>CAN/CSA-C22.2 No. 1010-1.92<br>CAN/CSA-C22.2 No. 1010-1.B97 amendment 2<br>61010A-1<br><br>EN 292<br>EN 61 010-1, EN 61 010-2-020<br>EN 61326, EN 55011 B |

## Electrical connections / fuses

| Order no.                | Voltage | Frequency | Nominal current | Power consumption | Fuse protection of instrument<br>- safety fuse<br>* thermic excess current release | Fuse protection of building |
|--------------------------|---------|-----------|-----------------|-------------------|--|-----------------------------|
| Legend™ T+<br>7500 4367  | 120 V   | 60 Hz     | 10.2 A          | 900 W             | 15 A   | 15 AT                       |
| Legend™ T+<br>7500 4363  | 230 V   | 50/60 Hz  | 8.6 A           | 1250 W            | 10 A   | 16 AT                       |
| Legend™ RT+<br>7500 4377 | 120 V   | 60 Hz     | 12.0 A          | 1220 W            | 15 A<br>* 16 A   | 15 AT                       |
| Legend™ RT+<br>7500 4373 | 230 V   | 50/60 Hz  | 10.6 A          | 1900 W            | 10 A<br>* 16 A   | 16 AT                       |
| Legend™ T+<br>7500 4368  | 100 V   | 50/60 Hz  | 12.9 A          | 920 W             | 15 A   | 15 AT                       |
| Legend™ RT+<br>7500 4378 | 200 V   | 50/60 Hz  | 11.7 A          | 1920 W            | 10 A<br>* 14 A   | 15 AT                       |