heidolph
research made easy

# Hei-VAP Industrial B with glassware A
# **Technical datasheet**



| | |
|---|---|
| **Dimensions (W × H × D)** | 998 × 2,225 × 694 mm |
| **Weight** | approx. 120 kg, without glassware |
| **Drive** | EC motor |
| **Speed range** | 6 – 160 rpm |
| **Heating power** | 4,000 W |
| **Acoustic pressure** | < 85 (dB(A)) (in accordance with IEC 61010) |
| **Rated voltage** | 3 × 400 V (50/60 Hz) or 1 × 230 V (50/60 Hz) |
| **Connection** | L1+L2+L3+N+PE or L+N+PE |
| **Protection Class** | I |
| **Overvoltage category** | II |
| **Degree of pollution** | 2 |
| **Power input** | 4,600 W max. |
| **Operating temperature** | 5 °C – 31 °C at up to 80 % rel. humidity \| 32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly) |
| **Installation altitude** | up to 2,000 m asl |
| **Stroke flask lift** | 180 mm |
| **Lifting speed flask lift** | 45 mm/s |
| **Evaporation rates (L/h) ΔT* 40 °C (for continuous operation)** | Toluene 26.0 \| Acetone 25.9 \| Ethanol 12.9 \| Water 4.7 |
| **Maximum cooling surface** | 1.2 m2 (depending on glass set) |
| **Heating bath** | Inner Ø: 397 mm, outer Ø: 400 mm \| Material: V4A steel (1.4404) X2CrNiMo 17-12-2 \| Volume: 18 L H 2O / 14 L oil |

| | |
|---|---|
| **Temperature range heating bath** | 20 – 100 C° H2O / 20 – 180 C° oil |
| **Overtemperature protection** | integrated, mechanical |
| **Overheat protection** | n.a. |
| **Control** | detachable, 7 inch touchpanel, control knobs |
| **Control accuracy** | ± 1 C° |
| **Storage conditions (recommendation)** | 5 °C – 31 °C at up to 80 % rel. humidity \| 32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly) |
| **Permissible leakage rate** | 1 mbar/min |
| **Degree of protection, device** | IP20 |
| **Control panel degree of protection** | IP45 |
| **Heating bath temperature control** | Microprocessor |
| **Required pump capacity** | 1,5 – 3 (m3/h) |
| **Consumption cooling liquid** | 150 – 250 (L/h) |