

VACUUM PUMPS VTL 2 and 4

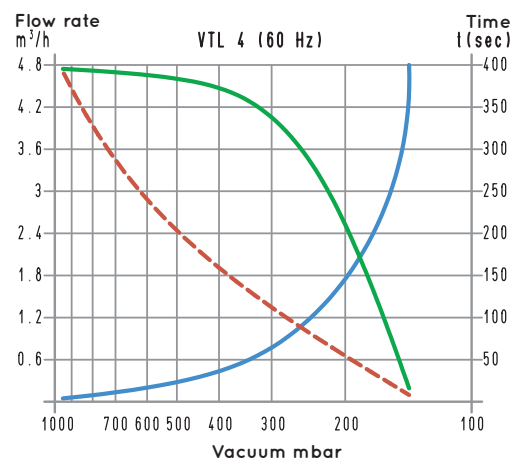
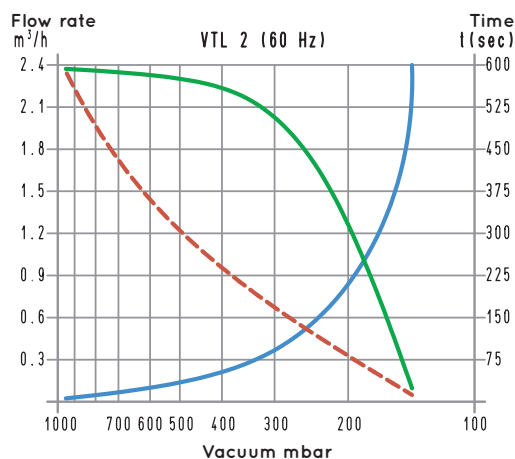
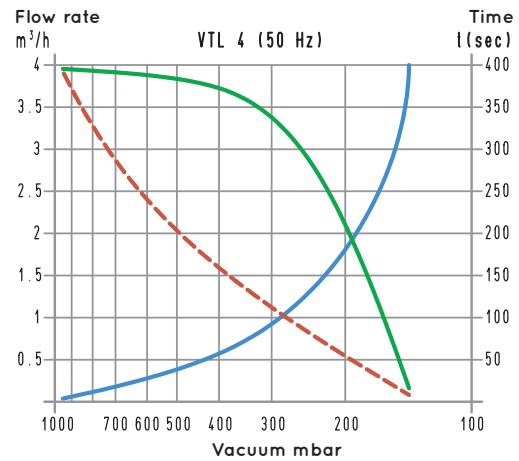
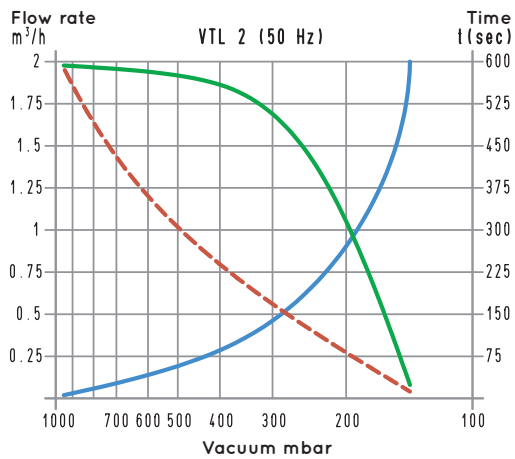
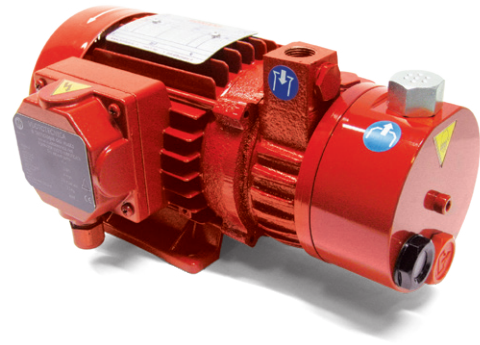
These small vacuum pumps have a suction flow rate of 2 and 4 m³/h. They feature a wick lubrication with oil recirculation, while the rotor, which is cantilevered-fitted on the motor shaft, allows reducing the overall dimensions to the minimum.

The motor and the pump are cooled by the motor fan (surface cooling).

The pumps are equipped with a small tank in line with the pump, which contains the lubrication oil as well as a separator filter to prevent oil mists and to reduce noise.

We strongly recommend installing a check valve and a filter on the suction inlet.

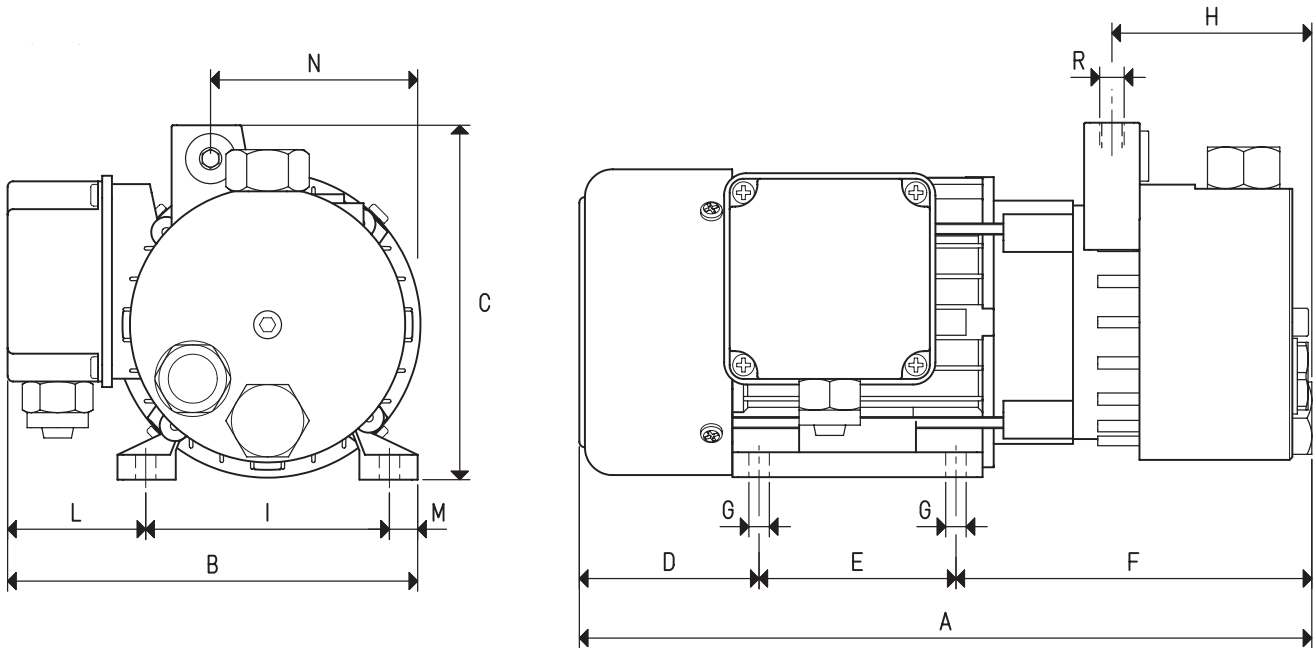
Pumps VTL 2 and 4 can also be supplied with single-phase electric motor.



To calculate the emptying time of a volume of V_1 , use the following formula: $t_1 = \frac{t \times V_1}{100}$

- Curve relative to the flow rate (referring to the suction pressure)
- - - Curve relative to the flow rate (referring to a 1013 mbar pressure)
- Curve regarding the emptying time of a 100-litre volume

V_1 : Volume to be emptied (l)
 t_1 : time to be calculated (sec)
 t : time obtained in the table (sec)



| Item | | VTL 2 | | VTL 4 | |
|--------------------------|---------------------|-------------|---------------|-------------|---------------|
| Frequency | | 50Hz | 60Hz | 50Hz | 60Hz |
| Flow rate | m ³ /h | 2.0 | 2.4 | 4.0 | 4.8 |
| Final pressure | mbar abs. | | 150 | | 150 |
| Motor performance | 3~ | 230/400±10% | 265/460±10% | 230/400±10% | 265/460±10% |
| Volt | 1~ | | 230±10% | | 230±10% |
| Motor power | 3~ | 0.12 | 0.15 | 0.18 | 0.21 |
| Kw | 1~ | 0.12 | 0.15 | 0.18 | 0.21 |
| Motor protection | IP | | 55 | | 55 |
| Rotation speed | g/min ⁻¹ | 2700 | 3245 | 2760 | 3300 |
| Motor shape | | | Speciale | | Speciale |
| Motor size | | | 56 | | 63 |
| Noise level | dB(A) | 62 | 65 | 62 | 65 |
| Max weight | 3~ | | 5.7 | | 7.3 |
| Kg | 1~ | | 6.0 | | 7.5 |
| A | | | 260 | | 285 |
| B | | | 145 | | 160 |
| C | | | 126 | | 132 |
| D | | | 62 | | 66 |
| E | | | 71 | | 81 |
| F | | | 127 | | 139 |
| G | ∅ | | 6.5 | | 7.5 |
| H | | | 72 | | 81 |
| I | | | 90 | | 100 |
| L | | | 43 | | 48 |
| M | | | 12 | | 12 |
| N | | | 76 | | 86 |
| R | ∅ gas | | G1/4" | | G3/8" |
| Accessories and Parts | | VTL 2 | | VTL 4 | |
| Oil charge | L | | 0.05 | | 0.05 |
| Lubricating oil | type | | ISO 32 | | ISO 32 |
| 4 vanes | item | | 00 VTL 02 10 | | 00 VTL 04 10 |
| Sealing kit | item | | 00 KIT VTL 02 | | 00 KIT VTL 04 |
| Check valve | item | | 10 01 15 | | 10 02 15 |
| Suction filter | item | | FB 5 | | FB 10/FC 10 |

Note: Add the letter M to the item for a pump supplied with a single-phase electric motor (Example: VTL 2 M).