

VACUUM PUMPS VTLP 40/G1 ÷ 105/G1, WITH DISPOSABLE LUBRICATION



These vane vacuum pumps have a suction capacity of 40, 50, 65, 75, 90 and 105 cum/h.
The vacuum lubrication with oil recirculation is adjusted via two oilers located in correspondence of the support bearings.

The rotor is fitted on the motor shaft and supported by independent bearings housed in the two pump flanges. The pump and the electric motor are, therefore, two independent units and fixed onto a special support and connected to each other via an elastic transmission joint.

All this allows using standard electric motors, in the shapes and sizes indicated in the table.

The pump is surface cooled. Heat is dispersed from the outer surface, suitably finned, by means of a radial fan placed between motor and pump.

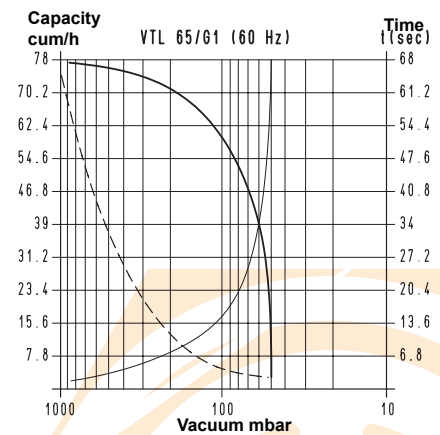
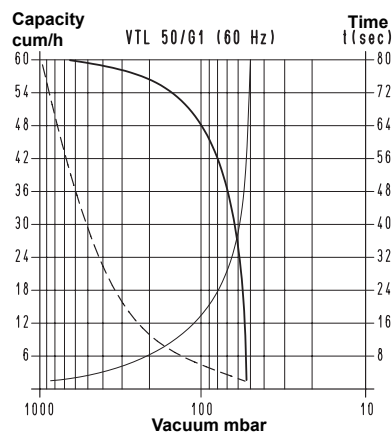
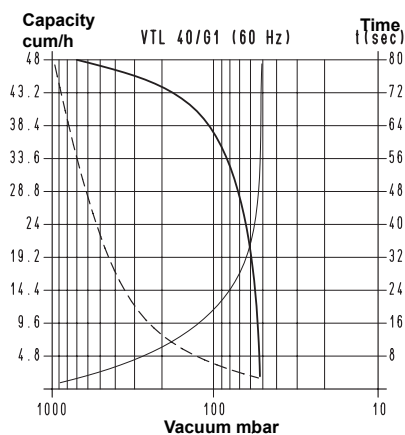
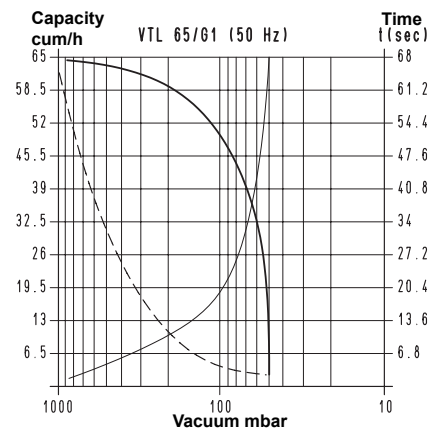
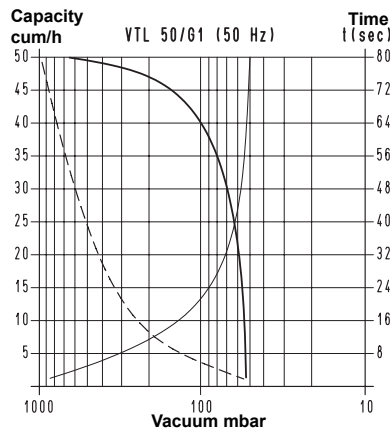
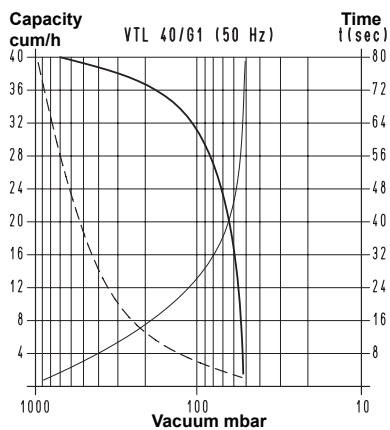
An oil recovery tank is installed on the pump exhaust. This tank contains a separator filter that prevents oil mists and reduces noise.

A safety valve is also installed on the tank for the automatic drainage of the exhaust oil when not regularly drained.

The lubrication oil is contained in a special transparent container, fixed to the pump via its support, and controlled by a magnetic level switch.

In pumps with disposable lubrication, the oil is sucked in the pump through an adjustable drip oiler and drained together with the sucked air in the recovery tank, without being put in circulation again. These pumps are necessary when the air to be sucked contains water condensation, solvent vapours or anything else that could effect oil properties.

A check valve and a filter must be installed on the suction inlet.
These pumps are supplied with three-phase electric motors only.



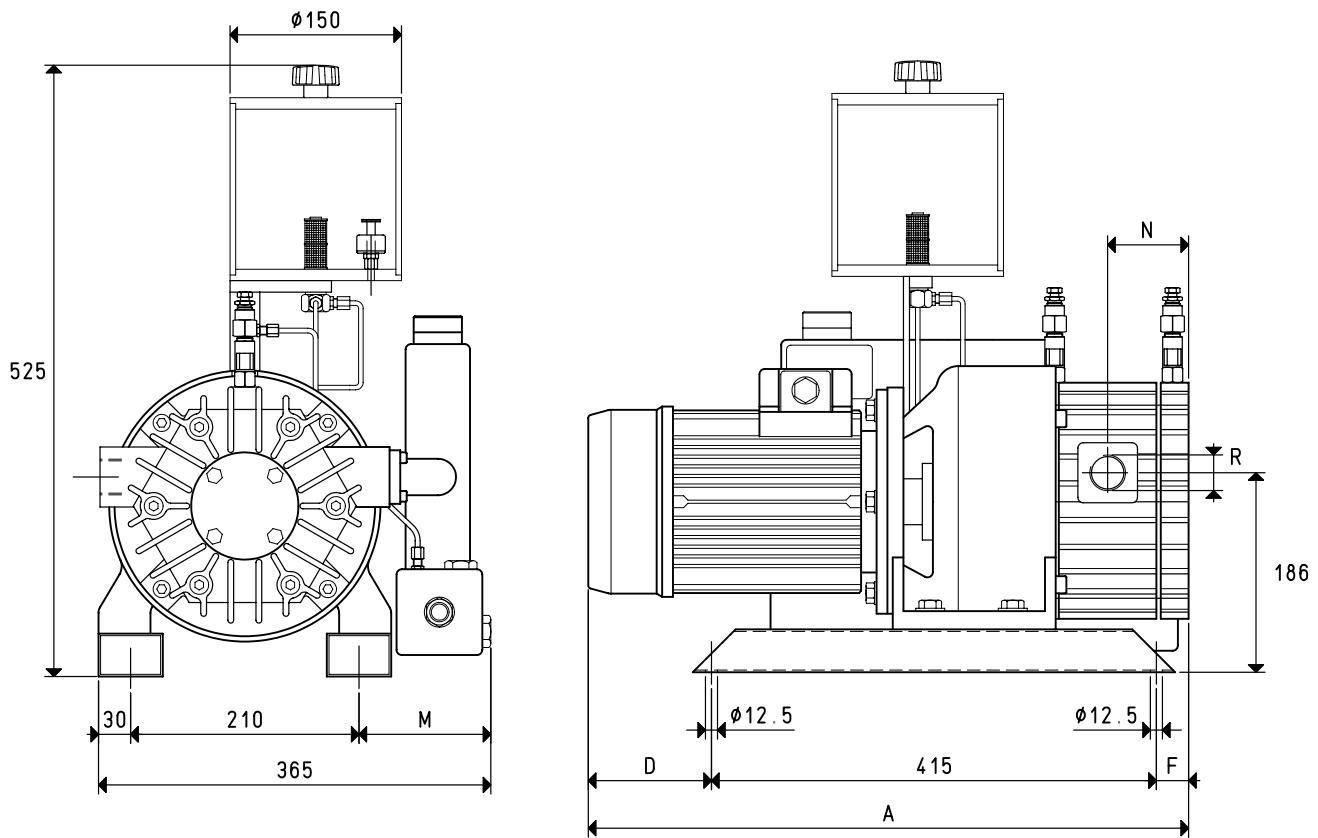
To calculate the emptying time of a volume V1, apply the formula $t_1 = \frac{t \times V_1}{100}$

- Curve regarding capacity (referring to the suction pressure)
- - - Curve regarding capacity (referring to a 1013 bar pressure)
- Curve regarding the emptying of a 100-litre volume

- V1 : Volume to be emptied
- t1 : Time to be calculated (sec)
- t : Time obtained in the table (sec)

3D drawings available at www.vuototecnica.net

VACUUM PUMPS VTLP 40/G1, 50/G1 and 65/G1



Art.	VTLP 40/G1		VTLP 50/G1		VTLP 65/G1	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Frequency	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Capacity m ³ /h	40.0	48.0	50.0	60.0	65.0	78.0
Final pressure mbar abs.	50		50		50	
Motor execution	3~	275/480±10%	3~	275/480±10%	3~	275/480 ±10%
Volt	230/400±10%		230/400±10%		230/400±10%	
Motor power Kw	1.10	1.35	1.50	1.80	1.50	1.80
Motor protection IP	54		54		54	
Rotation speed rev/min ⁻¹	1450	1740	1450	1740	1450	1740
Motor shape	B5		B5		B5	
Motor size	90		90		90	
Noise level dB(A)	68	70	68	70	70	72
Max. weight Kg	52.5		55.1		72.1	
A	520		560		580	
D	60		115		120	
F	45		30		45	
M	125		125		125	
N	70		80		80	
R	G1"		G1"		G1"	
Accessories and spare parts						
Oil load l	1.80		1.80		1.80	
Synthetic oil VT OIL	ISO 100		ISO 100		ISO 100	
6 vanes art.	00 VTL 40G1 10		00 VTL 50G1 10		00 VTL 65G1 10	
Sealing kit art.	00 KIT VTL 40G1		00 KIT VTL 50G1		00 KIT VTL 65G1	
Check valve art.	10 05 10		10 05 10		10 05 10	
Suction filtre art.	FB 30/FC 30		FB 30/FC 30		FB 30/FC 30	
Oil level switch art.	00 LP VTL 99		00 LP VTL 99		00 LP VTL 99	
Oil filtre art.	00 LP VTL 40		00 LP VTL 40		00 LP VTL 40	
Adjustable drip oiler art.	00 VTL 00 11		00 VTL 00 11		00 VTL 00 11	

3D drawings available at www.vuototecnica.net

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Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6}$ = $\frac{\text{Kg}}{0.4536}$

cfm= cum/h x 0.588; inch Hg= mbar x 0.0295; psi= bar (g) x 14.6