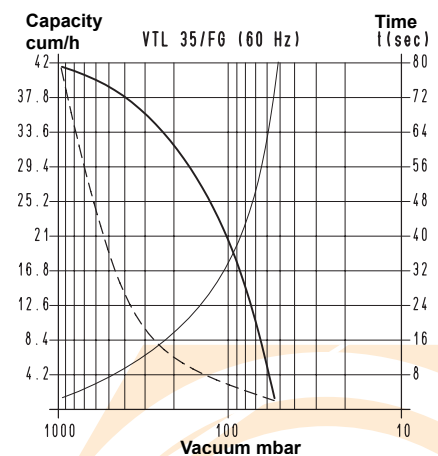
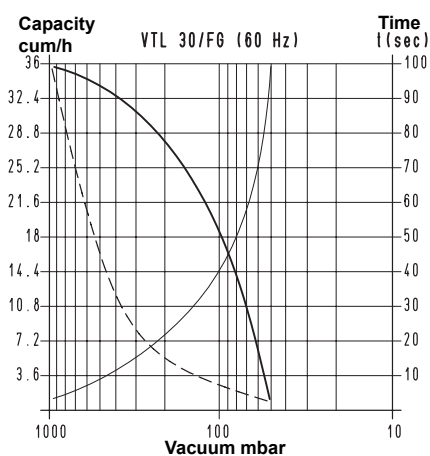
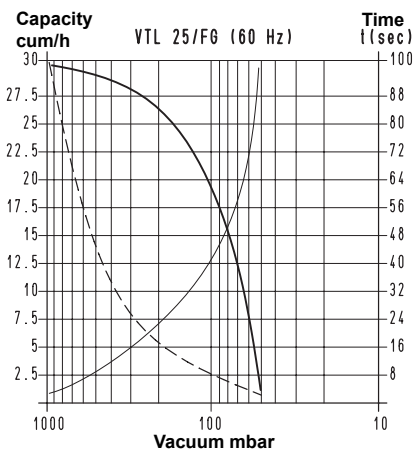
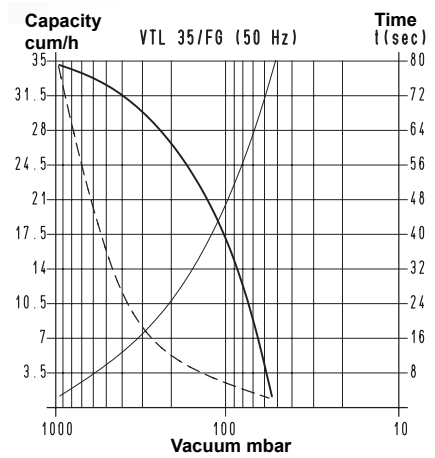
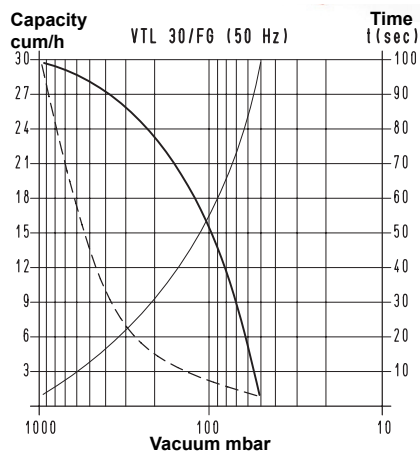
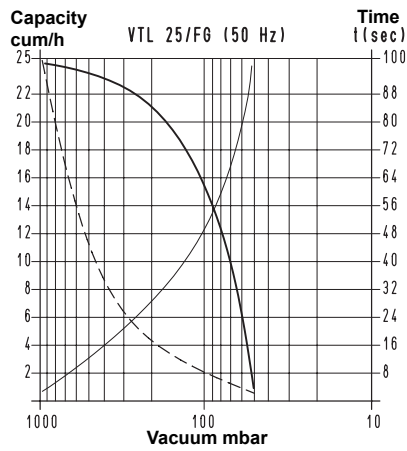
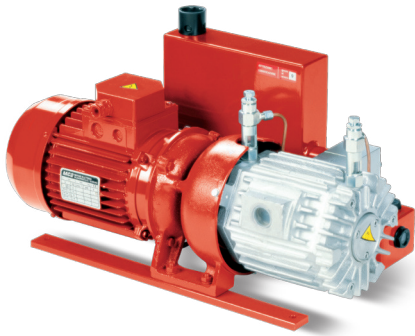


VACUUM PUMPS VTL 25/FG, 30/FG and 35/FG

These vacuum pumps have a suction capacity of 10, 15 and 20 cum/h. The vacuum lubrication with oil recirculation is adjusted via two oilers located in correspondence of the support bearings. The rotor is cantilevered-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 filtre that prevents oil mists and reduces noise. We strongly recommend installing a check valve and a filtre on the suction inlet. These pumps are supplied with three-phase electric motors only.

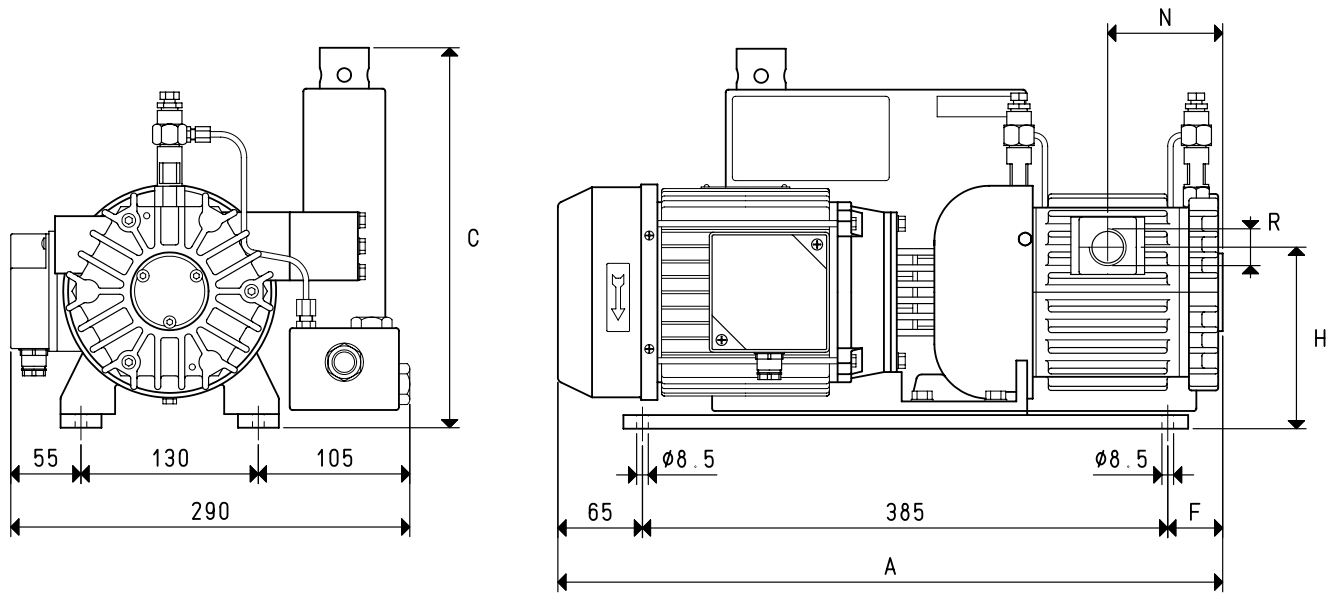


To calculate the emptying time of a volume V1, apply the formula $t_1 = \frac{t \times V_1}{100}$

- 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)

VACUUM PUMPS VTL 25/FG, 30/FG and 35/FG



Art.		VTL 25/FG		VTL 30/FG		VTL 35/FG	
Frequency		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Capacity	m ³ /h	25.0	30.0	30.0	36.0	35.0	42.0
Final pressure	mbar abs.	50		50		50	
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480 ±10%
Volt							
Motor power	3~	0.88	1.05	1.00	1.20	1.00	1.20
Kw							
Motor protection	IP	54		54		54	
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740	1450	1740
Motor shape		B14		B14		B14	
Motor size		80		80		80	
Noise level	dB(A)	64	66	65	67	65	67
Max. weight	3~	31.0		35.0		37.0	
Kg							
A		470		490		510	
C		280		280		280	
F		20		40		60	
H		133		133		133	
N		73		83		93	
R	Ø gas	G3/4"		G3/4"		G3/4"	
Accessories and spare parts							
Oil load	l	0.65		0.85		0.85	
Synthetic oil	VT OIL	ISO 68		ISO 68		ISO 68	
6 vanes	art.	00 VTL 25FG 10		00 VTL 30FG 10		00 VTL 35FG 10	
Sealing kit	art.	00 KIT VTL 25FG		00 KIT VTL 30FG		00 KIT VTL 35FG	
Check valve	art.	10 04 10		10 04 10		10 04 10	
Suction filtre	art.	FB 25/FC 25		FB 25/FC 25		FB 25/FC 25	
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