

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

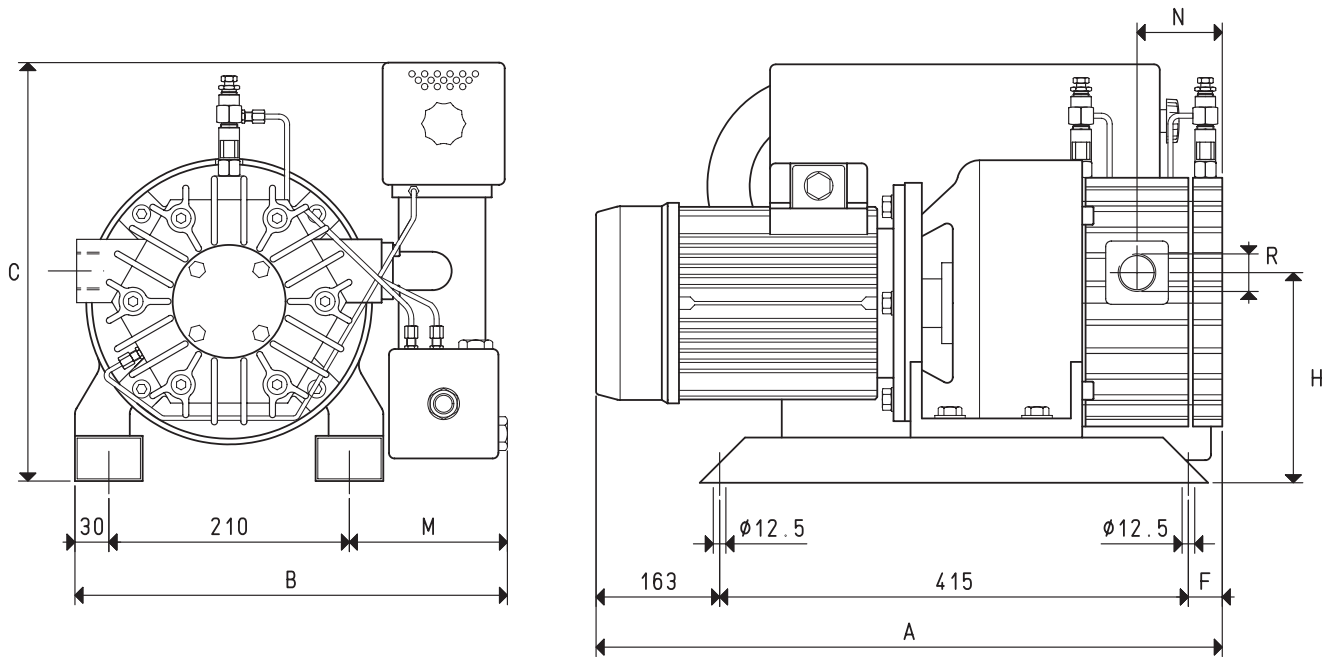
- Curve relative to the flow rate (referring to the suction pressure)
- - - Curve relative to the flow rate (referring to a 1013 mbar pressure)
- Curve regarding the emptying time of a 100-litre volume

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



# VACUUM PUMP VTL 105/G1

3D drawings are available on [vuototecnica.net](http://vuototecnica.net)



Item		VTL 105/G1	
Frequency		50Hz	60Hz
Flow rate	m <sup>3</sup> /h	105.0	126.0
Final pressure	mbar abs.	50	
Motor performance 3~	volt	230/400±10%	265/460±10%
Motor power 3~	Kw	3.00	3.60
Motor protection	IP	55	
Rotation speed	g/min <sup>-1</sup>	1440	1700
Motor shape		B5	
Motor size		100	
Noise level	dB(A)	72	74
Max weight 3~	kg	97.6	
A		690	
B		400	
C		445	
F		112	
H		186	
M		160	
N		122	
R	Ø gas	G1"1/2	
Accessories and Parts		VTL 105/G1	
Oil charge	L	2.6	
Lubricating oil	type	ISO 150	
Deoiling cartridge	item	00 VTL 105G1 29	
6 vanes	item	00 VTL 105G1 10	
Sealing kit	item	00 KIT VTL 105G1	
Check valve	item	10 07 10	
Exhaust filter	item	FB 50/FC 50	
Adjustable drip oiler	item	00 VTL 00 11	

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

inch =  $\frac{mm}{25.4}$  ; pounds =  $\frac{g}{453.6} = \frac{Kg}{0.4536}$

cfm= m<sup>3</sup>/h x 0.588; inch Hg= mbar x 0.0295; psi= bar x 14.6