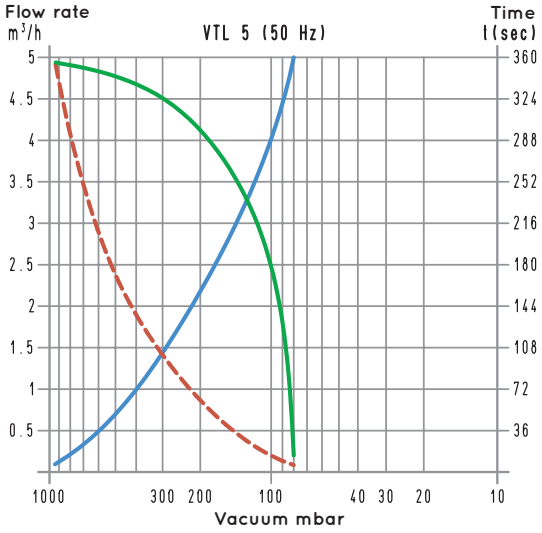
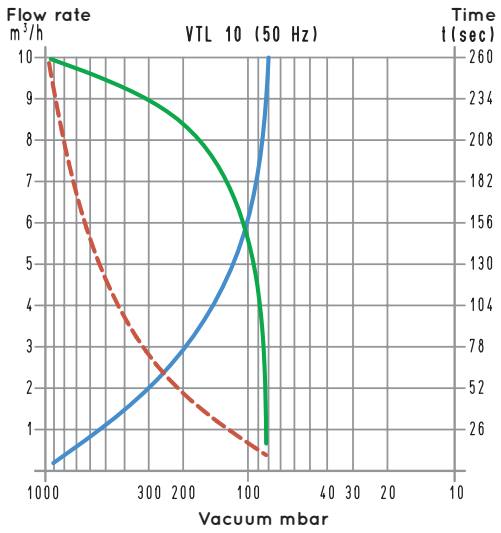
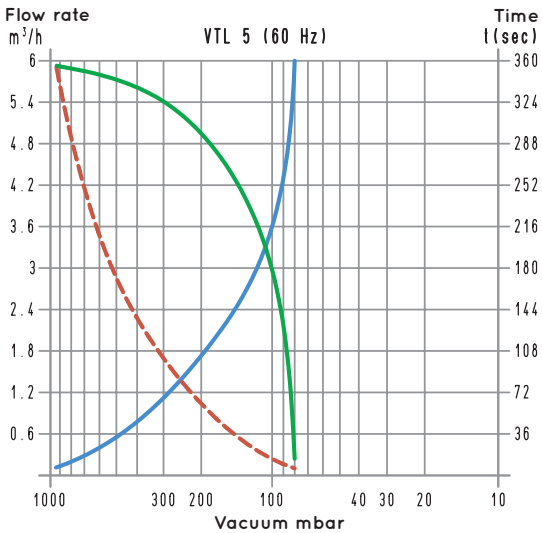
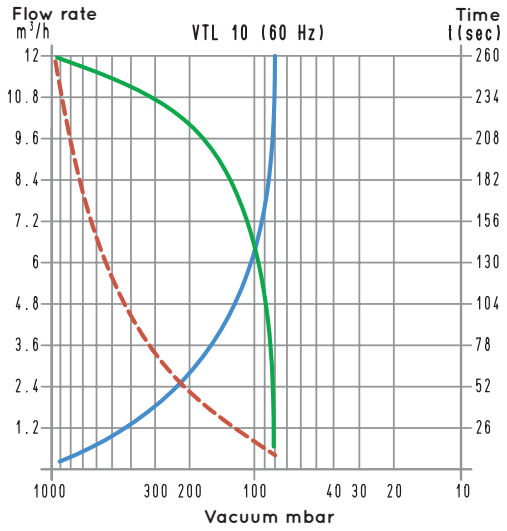
VACUUM PUMPS VTL 5 and 10

These vacuum pumps have a suction flow rate of 5 and 10 m^3.
The vacuum lubrication with oil recirculation can be adjusted via an oiler located in correspondence of the suction inlet.
The rotor is cantilevered-fitted on the motor shaft and, as a result, the overall dimensions are reduced.
The motor and the pump are cooled by the motor fan (surface cooling).
An oil recovery tank is installed on the pump exhaust. This tank contains a separator filter that prevents oil mists and reduces noise.
We strongly recommend installing a check valve and a filter on the suction inlet.
Pumps VTL 5 and 10 can also be supplied with a 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)

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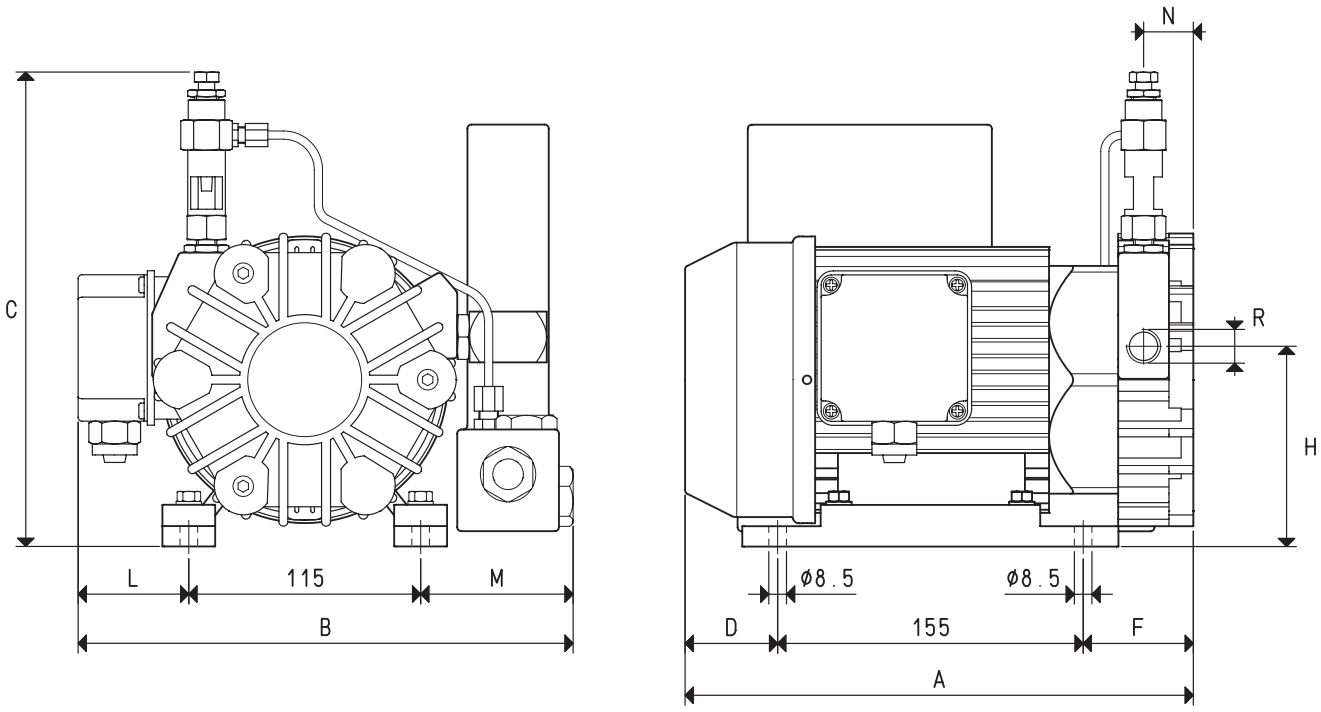

Item		VTL 5		VTL 10	
Frequency		50Hz	60Hz	50Hz	60Hz
Flow rate	m^3/h	5.0	6.0	10.0	12.0
Final pressure	mbar abs.	80		80	
Motor performance	3~	230/400±10%	265/460±10%	230/400±10%	265/460±10%
Volt	1~	230±10%		230±10%	
Motor power	3~	0.25	0.30	0.37	0.40
Kw	1~	0.25	0.30	0.37	0.40
Motor protection	IP	55		55	
Rotation speed	g/min^{-1}	1450	1680	1450	1680
Motor shape		Special		Special	
Motor size		71		71	
Noise level	dB(A)	62	64	62	64
Max weight	3~	14.5		20.5	
Kg	1~	15.0		21.0	
A		260		310	
B		245		262	
C		245		245	
D		52		70	
F		53		85	
H		122		122	
L		45		45	
M		85		102	
N		27		52	
R	Ø gas	G3/8"		G1/2"	

Accessories and Parts		VTL 5	VTL 10
Oil charge	L	0.25	0.40
Lubricating oil	type	ISO 32	ISO 100
6 vanes	item	00 VTL 05 10	00 VTL 10 10
Sealing kit	item	00 KIT VTL 05	00 KIT VTL 10
Check valve	item	10 02 10	10 03 10
Suction filter	item	FB 10/FC 10	FB 20/FC 20
Adjustable drip oiler	item	00 VTL 00 11	00 VTL 00 11

Note: Add the letter M to the item for a pump supplied with a single-phase electric motor (Example: VTL 5 M).

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^3/h x 0.588; inch Hg= mbar x 0.0295; psi= bar x 14.6