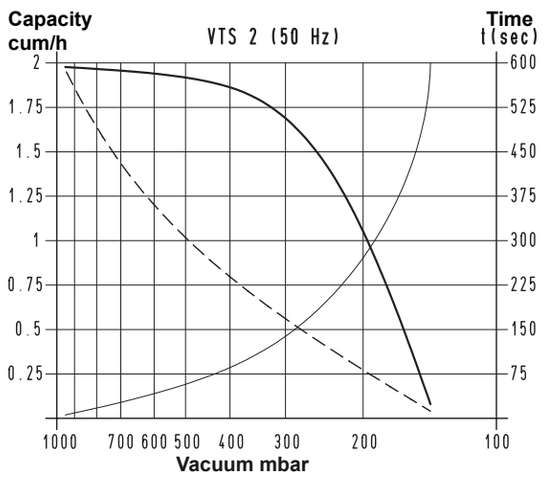
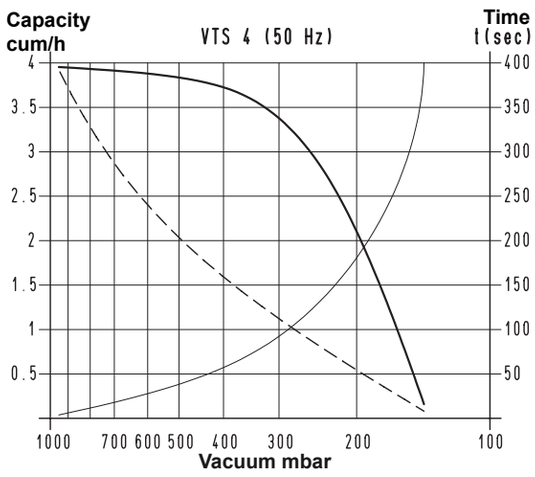
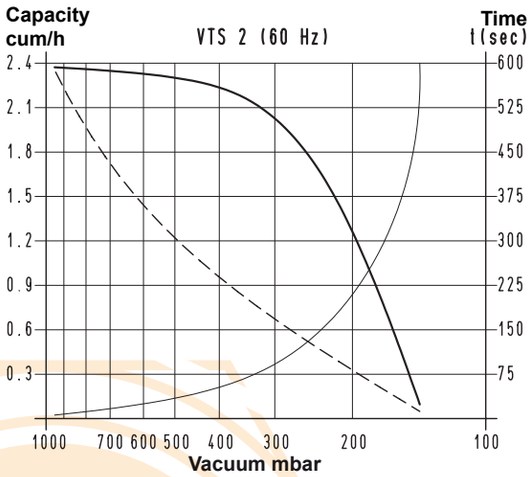
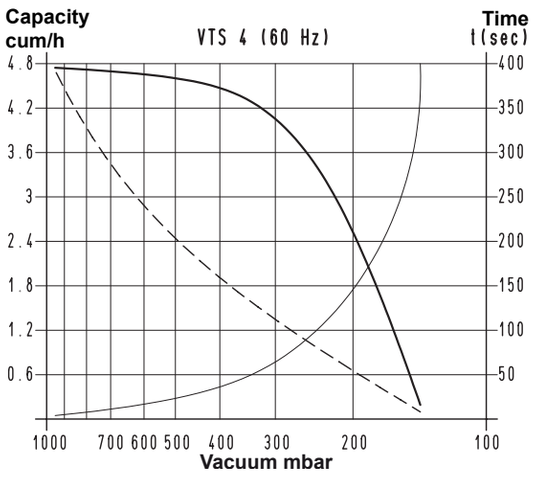
DRY VACUUM PUMPS VTS 2 AND 4

These small dry vacuum pumps have a suction capacity of 2 and 4 cum/h. The particular shape of the working chamber and the special graphite, with which the locking flanges and vanes are made, allow these pumps to operate with no lubrication.
The rotor is cantilevered-fitted on the motor shaft, thus reducing overall dimensions to the minimum. The motor and the pump are cooled by the motor fan (surface cooling).
A filtre that functions as a silencer is installed on the suction inlet.
We strongly recommend installing a filtre on the suction inlet against possible impurities. These pumps are ***not recommended*** *when the fluid to be sucked contains water or oil vapours or condensations.*
Vacuum pumps VTS 2 and 4 can also be supplied with single-phase electric motor.





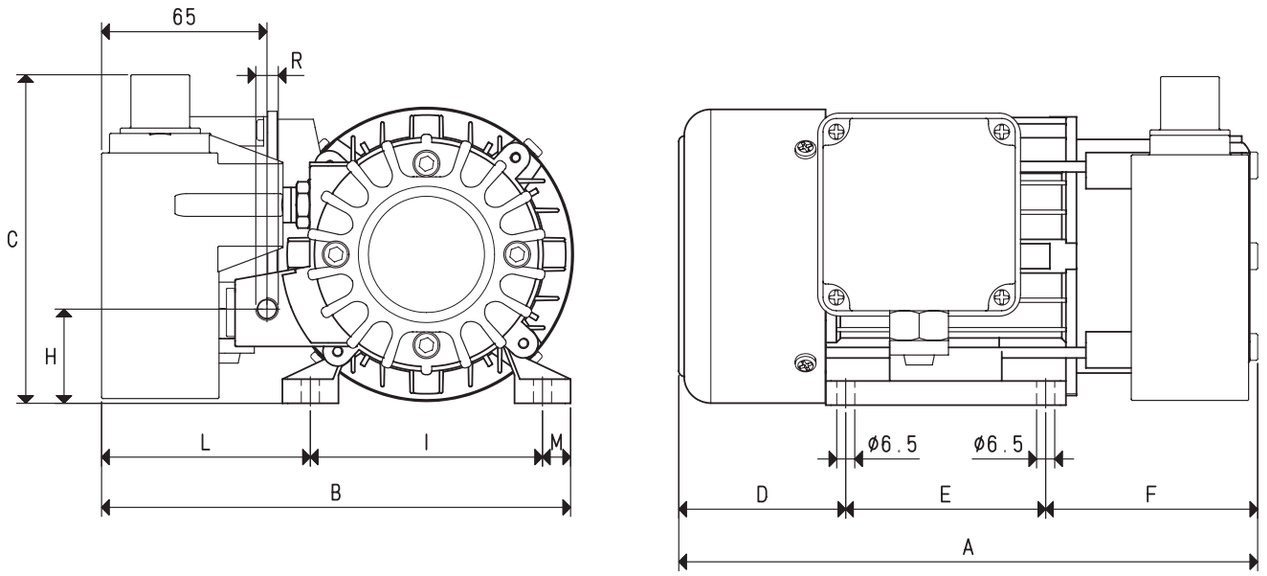




To calculate the emptying time of a volume V1, apply the formula $t1 = \frac{t \times V1}{100}$

——— 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)



Art.		VTS 2		VTS 4	
Frequency		50Hz	60Hz	50Hz	60Hz
Capacity	m^3/h	2.0	2.4	4.0	4.8
Final pressure	mbar abs.	150		150	
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%
Volt	1~	230±10%		230±10%	
Motor power	3~	0.13	0.15	0.15	0.18
Kw	1~	0.13	0.15	0.15	0.18
Motor protection	IP	54		54	
Rotation speed	rev/min^{-1}	2800	3300	2800	3300
Motor shape		Special		Special	
Motor size		56		63	
Noise level	dB(A)	64	66	64	66
Max. weight	3~	5.3		6.8	
Kg	1~	5.5		7.0	
A		217		251	
B		180		186	
C		121		131	
D		66		78	
E		71		81	
F		80		92	
H		35		45	
I		90		100	
L		79		73	
M		11		13	
R	Ø gas	G1/4"		G1/4"	
Accessories and spare parts					
4 graphite vanes	art.	00 VTS 02 10		00 VTS 04 10	
Perforated graphite disc	art.	00 VTS 02 12		00 VTS 02 12	
Non-perforated graphite disc	art.	00 VTS 02 16		00 VTS 02 16	
Sealing kit	art.	00 KIT VTS 02		00 KIT VTS 04	
Check valve	art.	10 01 15		10 01 15	
Suction filtre	art.	FB 5		FB 5	

Note: The pump will be supplied with single-phase electric motor by adding the letter M to the article (E.g.: VTS 2 M).

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ cfm= cum/h x 0.588; inch Hg= mbar x 0.0295; psi= bar (g) x 14.6