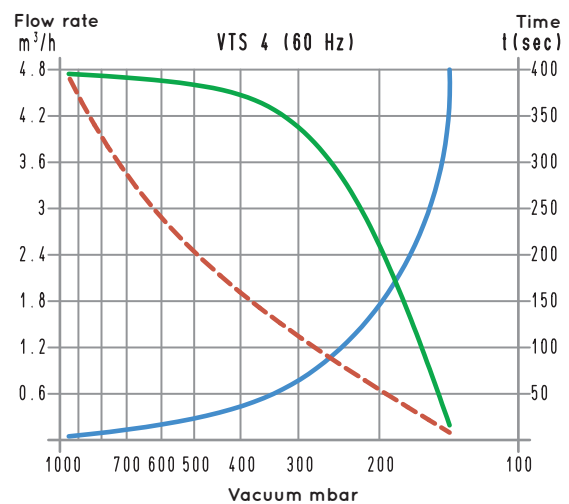
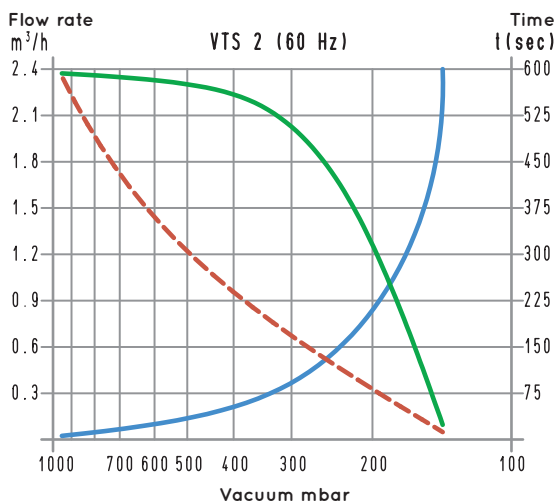
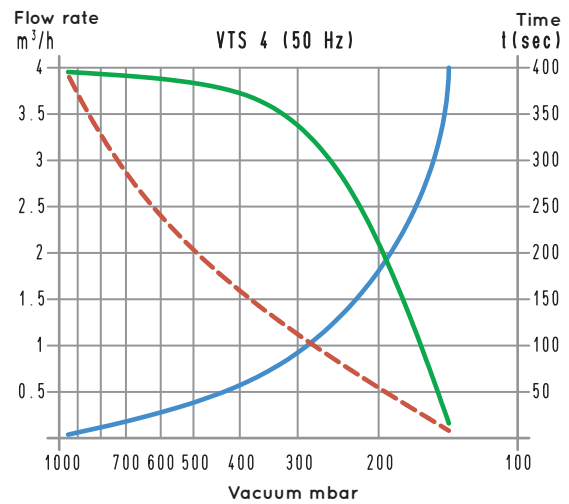
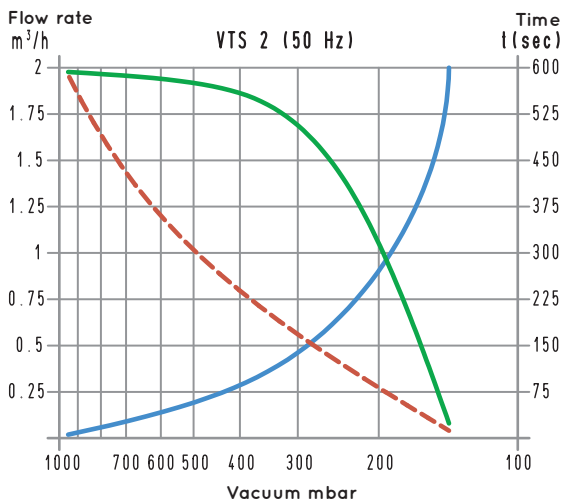


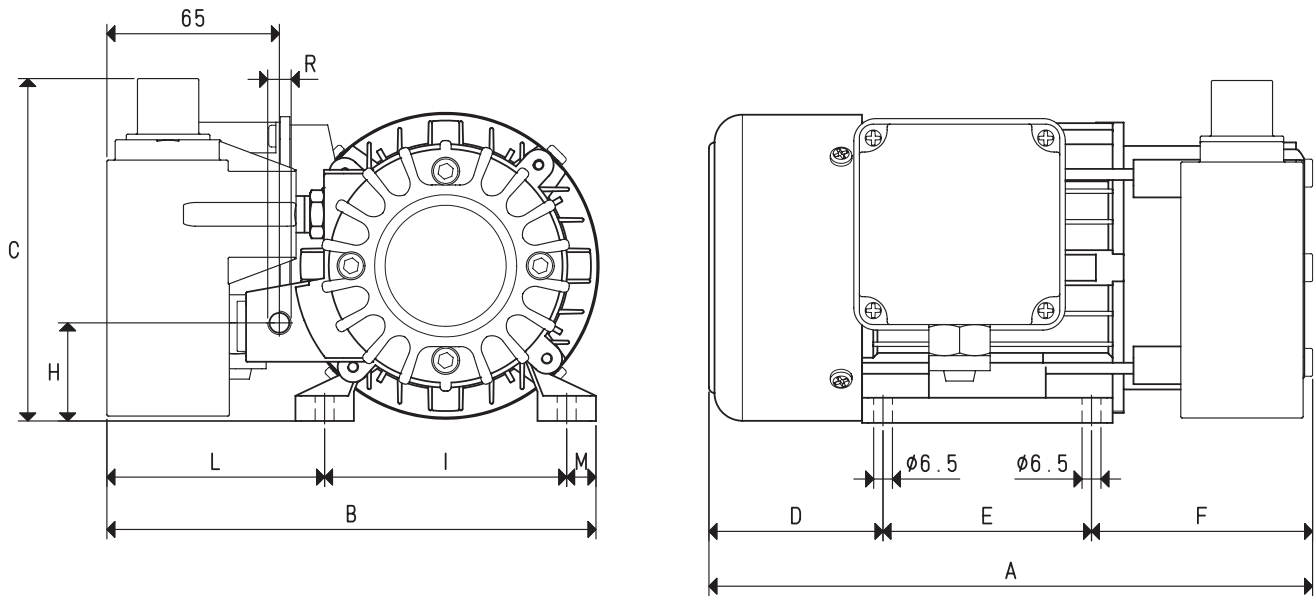
These small lubrication-free rotary vane vacuum pumps have a suction flow rate of 2 and 4 m³/h. The particular shape of the working chamber and the special graphite, with which the locking flanges and vanes are made, allow these pumps to operate with no lubrication. The rotor is cantilevered-fitted on the motor shaft, thus reducing overall dimensions to the minimum. The motor and the pump are cooled by the motor fan (surface cooling). A filter that functions as a silencer is installed on the suction inlet. We strongly recommend installing a filter 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 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)



Item	VTS 2		VTS 4	
	50Hz	60Hz	50Hz	60Hz
Frequency	50Hz	60Hz	50Hz	60Hz
Flow rate m ³ /h	2.0	2.4	4.0	4.8
Final pressure mbar abs.	200		150	
Motor performance 3~	230/400±10%	265/460±10%	230/400±10%	265/460±10%
Volt 1~		230±10%		230±10%
Motor power 3~	0.12	0.15	0.18	0.21
Kw 1~	0.12	0.15	0.18	0.21
Motor protection IP		55		55
Rotation speed g/min ⁻¹	2800	3300	2800	3300
Motor shape				
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 Parts	VTS 2		VTS 4	
4 graphite vanes item	00 VTS 02 10		00 VTS 04 10	
Front flange complete with graphite disc item	00 VTS 02 11		00 VTS 04 11	
Rear flange complete with graphite disc item	00 VTS 02 15		00 VTS 02 15	
Sealing kit item	00 KIT VTS 02		00 KIT VTS 04	
Check valve item	10 01 15		10 01 15	
Suction filter item	FB 5		FB 5	

Note: Add the letter M to the item for a pump supplied with a single-phase electric motor (Example: VTS 2 M).

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

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

cfm= m³/h x 0.588; inch Hg= mbar x 0.0295; psi= bar x 14.6