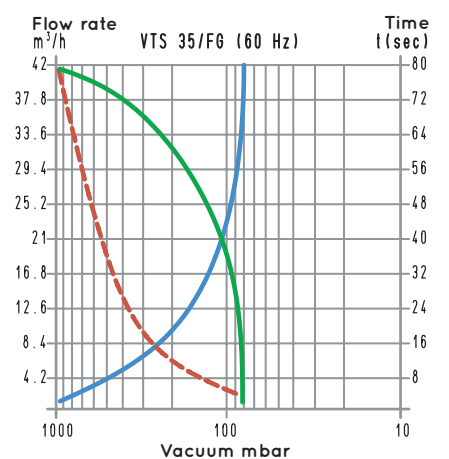
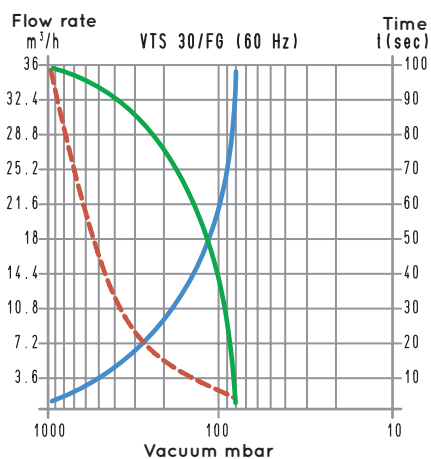
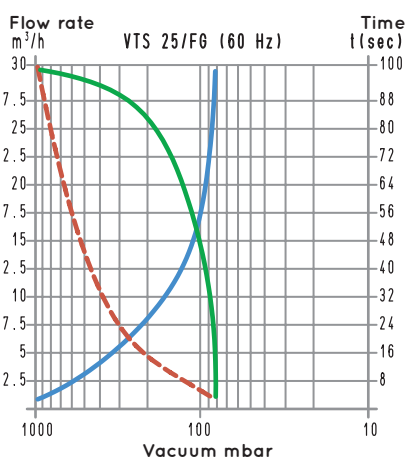
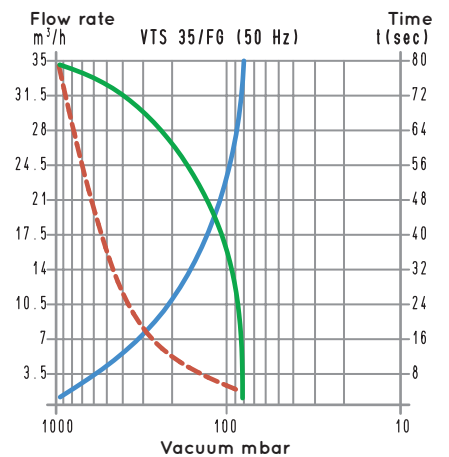
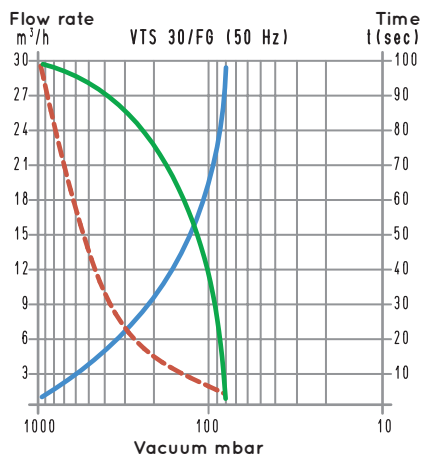
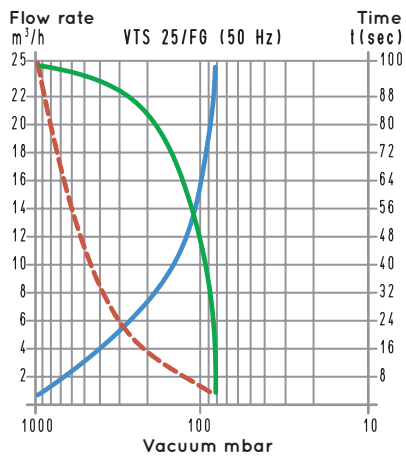
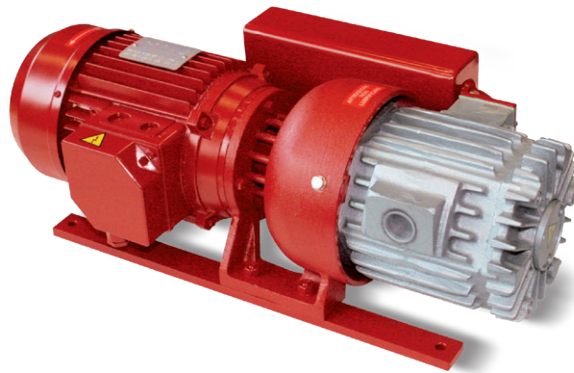




# DRY VACUUM PUMPS VTS 25/FG, 30/FG and 35/FG

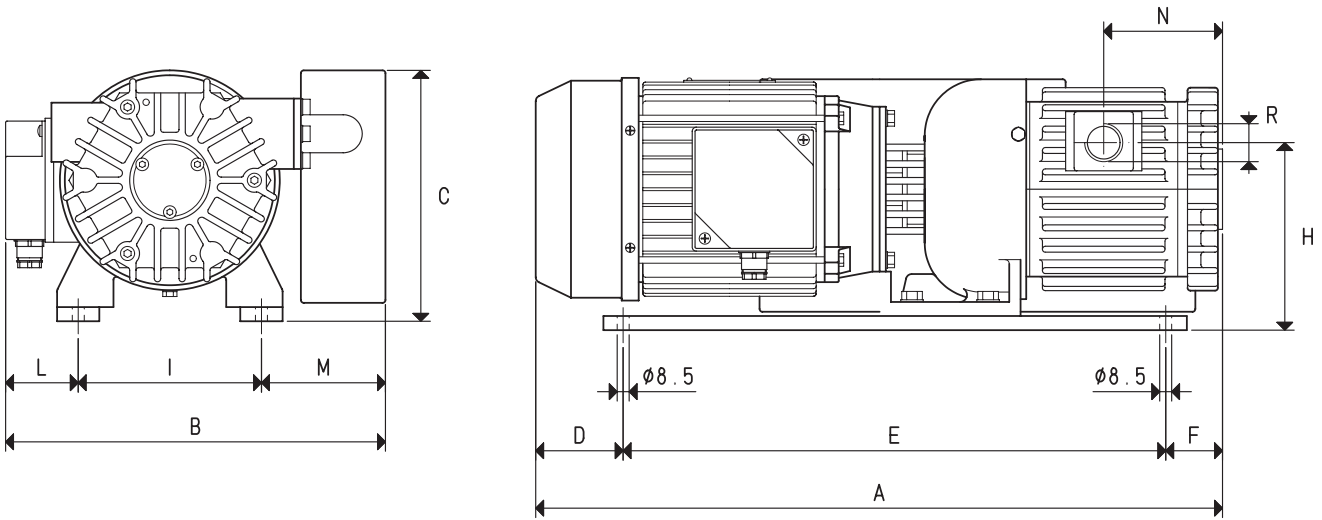
3D drawings are available on [vuotecnica.net](http://vuotecnica.net)



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 25/FG		VTS 30/FG		VTS 35/FG			
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		
<b>Flow rate</b>	m <sup>3</sup> /h		25.0	30.0	30.0	36.0	35.0	42.0
<b>Final pressure</b>	mbar abs.		80		80		80	
<b>Motor performance</b>	3~		230/400±10%	265/460±10%	230/400±10%	265/460±10%	230/400±10%	265/460±10%
<b>Volt</b>	1~		230±10%		230±10%		230±10%	
<b>Motor power</b>	3~		0.75	0.90	0.75	0.90	1.10	1.35
<b>Kw</b>	1~		0.75		0.75		1.10	
<b>Motor protection</b>	IP		55		55		55	
<b>Rotation speed</b>	g/min <sup>-1</sup>		1410	1640	1410	1640	1440	1750
<b>Motor shape</b>			B14		B14		B14	
<b>Motor size</b>			80		80		80	
<b>Noise level</b>	dB(A)		66	68	68	70	70	72
<b>Max weight</b>	3~		29		32		34	
<b>Kg</b>	1~		29.5		32.5		34.5	
<b>A</b>			470		490		510	
<b>B</b>			265		265		265	
<b>C</b>			170		170		170	
<b>D</b>			65		65		65	
<b>E</b>			385		385		385	
<b>F</b>			20		40		60	
<b>H</b>			133		133		133	
<b>I</b>			130		130		130	
<b>L</b>			55		55		55	
<b>M</b>			80		80		80	
<b>N</b>			73		83		93	
<b>R</b>	Ø gas		G3/4"		G3/4"		G3/4"	
<b>Accessories and Parts</b>			<b>VTS 25/FG</b>		<b>VTS 30/FG</b>		<b>VTS 35/FG</b>	
<b>6 graphite vanes</b>	item		00 VTS 25FG 10		00 VTS 30FG 10		00 VTS 35FG 10	
<b>Sealing kit</b>	item		00 KIT VTS 25FG		00 KIT VTS 30FG		00 KIT VTS 35FG	
<b>Check valve</b>	item		10 04 10		10 04 10		10 04 10	
<b>Suction filter</b>	item		FB 28/FC 25		FB 28/FC 25		FB 28/FC 25	

Note: Add the letter M to the item for a pump supplied with a single-phase electric motor (Example: VTS 25/FG 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= m<sup>3</sup>/h x 0.588; inch Hg= mbar x 0.0295; psi= bar x 14.6