

VACUUM PUMPS VTL 10/F, 15/F and 20/F

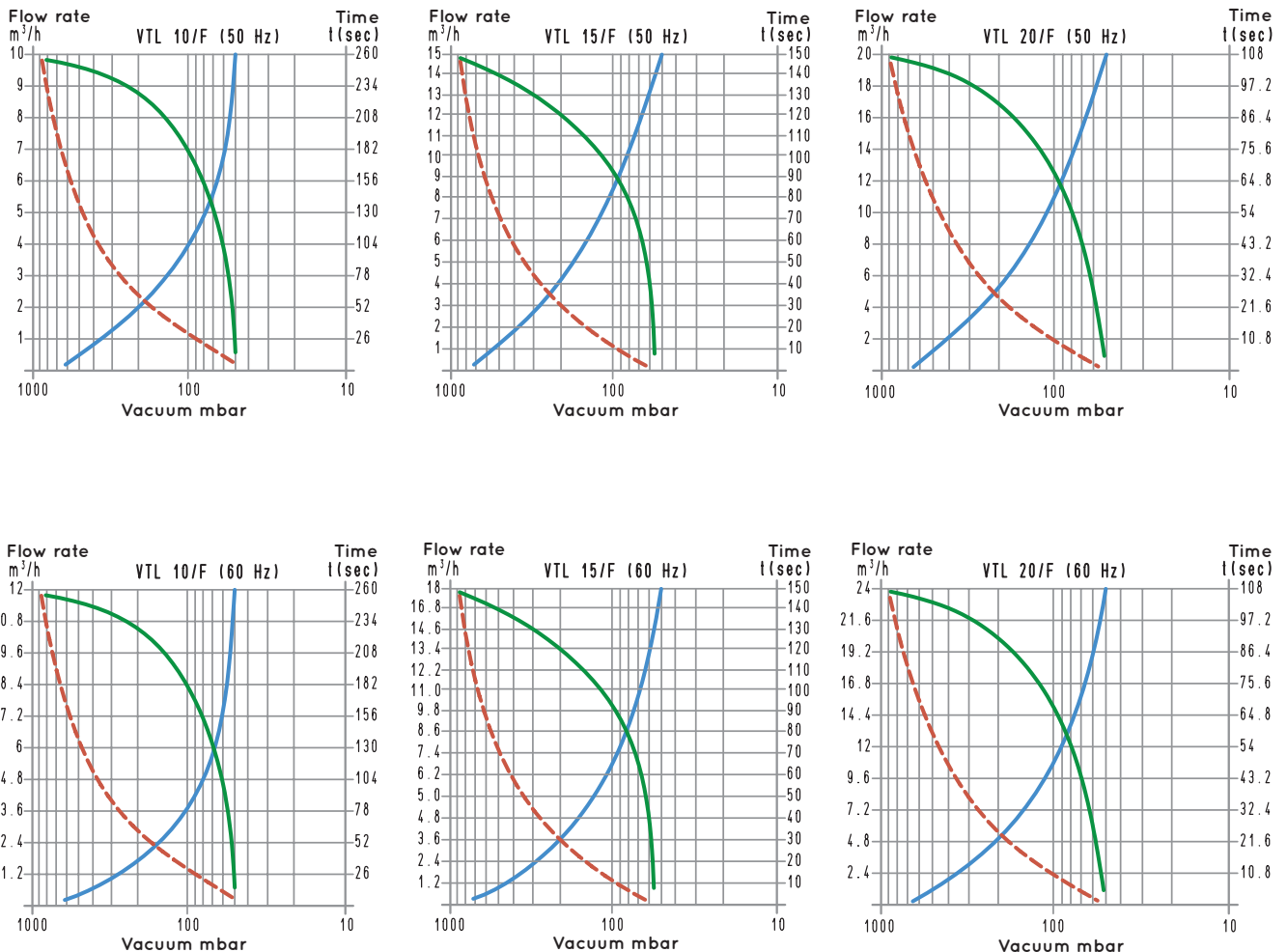
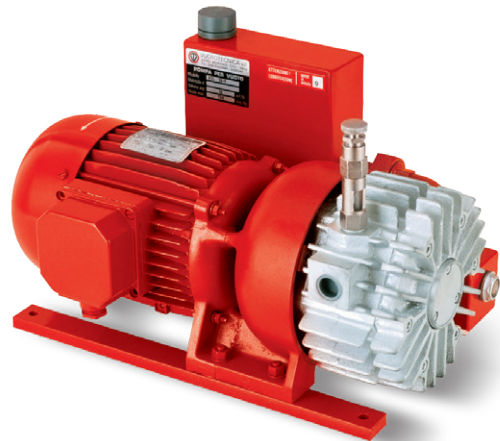
These vacuum pumps have a suction flow rate of 10, 15 and 20 m³/h. The vacuum lubrication with oil recirculation can be adjusted via an oiler located in correspondence of the suction inlet.

The rotor is cantilevered-fitted on the motor shaft and supported by independent bearings housed in the two pump flanges.

The pump is surface cooled. Heat is dispersed from the outer surface, suitably finned, by means of a radial fan placed between motor and pump. 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.

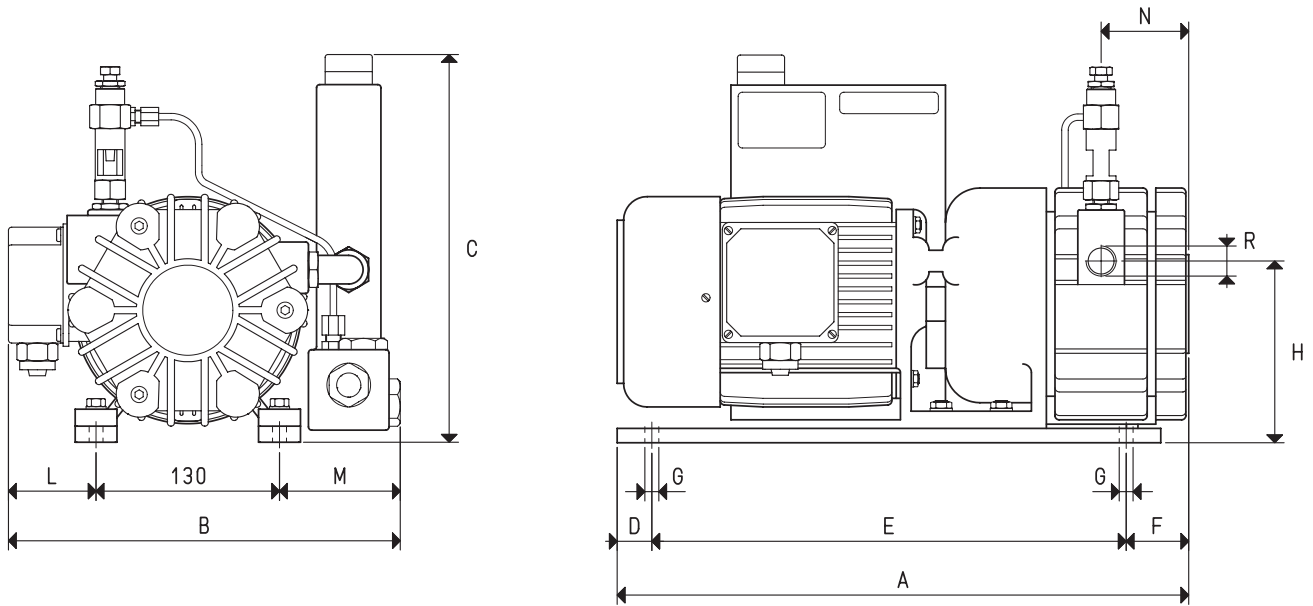
These pumps are supplied with three-phase electric motors only.



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	VTL 10/F		VTL 15/F		VTL 20/F		
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Frequency	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Flow rate	m ³ /h		15.0		24.0		
Final pressure	mbar abs.		50		50		
Motor performance 3~	volt		230/400±10%		230/400±10%		
Motor power 3~	Kw		0.55		0.55		
Motor protection	IP		55		55		
Rotation speed	g/min ⁻¹		1450		1450		
Motor shape	Special		Special		Special		
Motor size	80		80		80		
Noise level	dB(A)		63		64		
Max weight 3~	Kg		27.0		30.0		
A	385		405		425		
B	285		285		285		
C	259		259		259		
D	25		25		25		
E	340		340		340		
F	20		40		60		
H	133		133		133		
L	55		55		55		
M	100		100		100		
N	53		63		73		
R	Ø gas		G1/2"		G1/2"		
Accessories and Parts		VTL 10/F		VTL 15/F		VTL 20/F	
Oil charge	L	0.4		0.5		0.65	
Lubricating oil	type	ISO 100		ISO 100		ISO 100	
6 vanes	item	00 VTL 10F 10		00 VTL 15F 10		00 VTL 20F 10	
Sealing kit	item	00 KIT VTL 10F		00 KIT VTL 15F		00 KIT VTL 20F	
Check valve	item	10 03 10		10 03 10		10 03 10	
Suction filter	item	FB 20/FC 20		FB 20/FC 20		FB 20/FC 20	
Adjustable drip oiler	item	00 VTL 00 11		00 VTL 00 11		00 VTL 00 11	