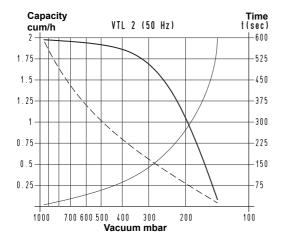
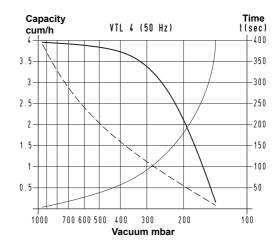
VACUUM PUMPS VTL 2 and 4

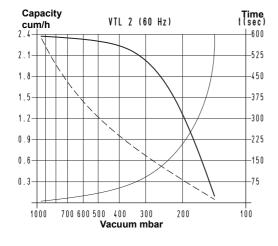
These small vacuum pumps have a suction capacity of 2 and 4 cum/h They feature a wick lubrication with oil recirculation, while the rotor, which is cantilevered-fitted on the motor shaft, allows reducing the overall dimensions to the minimum.

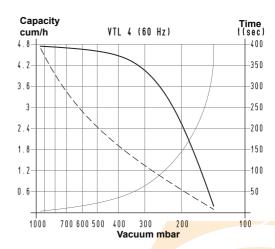
The motor and the pump are cooled by the motor fan (surface cooling). The pumps are equipped with a small tank in line with the pump, which contains the lubrication oil as well as a separator filtre to prevent oil mists and to reduce noise. We strongly recommend installing a check valve and a filtre on the suction inlet. Pumps VTL 2 and 4 can also be supplied with single-phase electric motor.









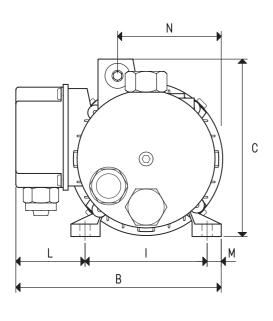


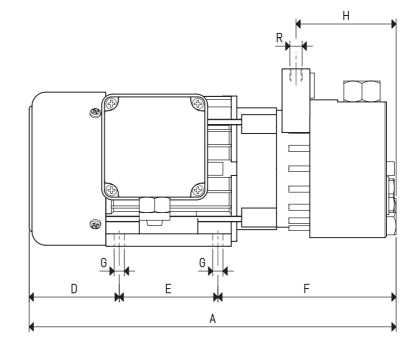
To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \times \frac{V_1}{100}$

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)





Art.		VTL	2	VTL 4		
Frequency		50Hz	60Hz	50Hz	60Hz	
Capacity	m³/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±1	0%	230±1	0%	
Motor power	3~	0.13	0.15	0.18	0.21	
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		Speci	al	Spec	ial	
Motor size		56		63		
Noise level	dB(A)	62	65	62	65	
Max. weight	3~	5.7		7.3	1	
Kg	1~	6.0		7.5	i	
A		260)	285)	
В		145		160)	
C		126)	132)	
D		62		66		
E		71		80		
F		127	,	139)	
G	Ø	6.5		7.5	i	
Н		72		80		
I		90		100)	
L		43		48		
M		12		12		
N		76		86		
R	Ø gas	G1/4	,	G3/8	3"	
Accessories and spare parts						
Oil load		0.05	5	0.0	5	
Synthetic oil	VT OIL	ISO 3		ISO 3		
4 vanes	art.	00 VTL 0		00 VTL (
Sealing kit	art.	00 KIT V		00 KIT V		
Check valve	art.	10 01		10 02		
Suction filtre	art.	FB 5		FB 10/F		

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

VACUUM PUMPS VTL 5 and 10

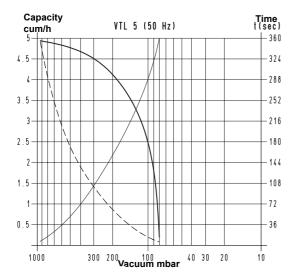
These vacuum pumps have a suction capacity of 5 and 10 cum/h. The vacuum lubrication with oil recirculation can be adjusted via an oiler located in correspondence of the suction inlet.

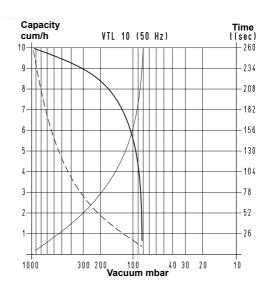
The rotor is cantilevered-fitted on the motor shaft and, as a result, the overall dimensions are reduced.

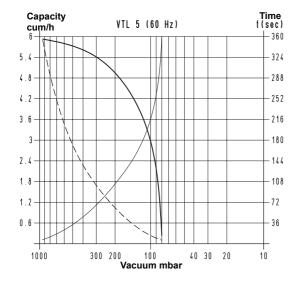
The motor and the pump are cooled by the motor fan (surface cooling). An oil recovery tank is installed on the pump exhaust. This tank contains a separator filtre that prevents oil mists and reduces noise.

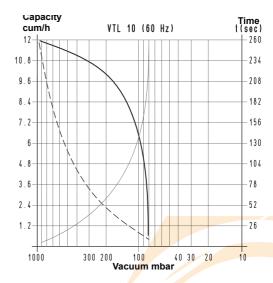
We strongly recommend installing a check valve and a filtre on the suction inlet. Pumps VTL 5 and 10 can also be supplied with a single-phase electric motor.







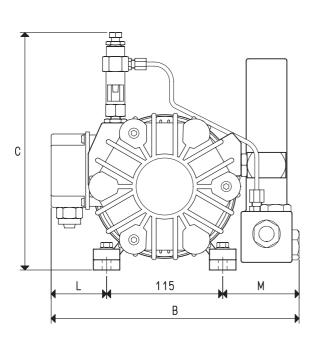


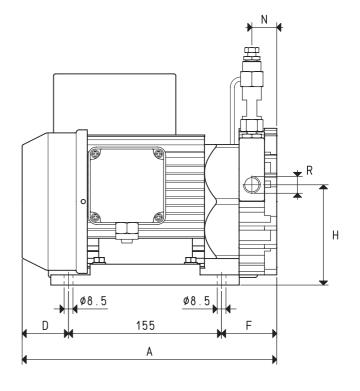


To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \times \frac{1}{100}$

- 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)



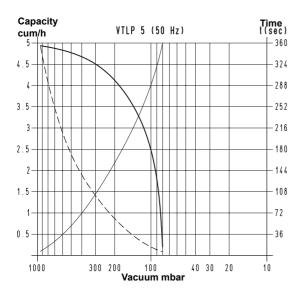


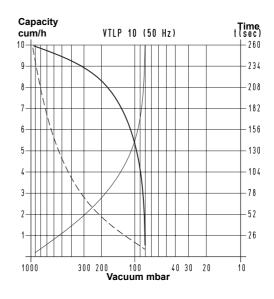
Art.		VTL	.5	VTL	10
Frequency		50Hz	60Hz	50Hz	60Hz
Capacity	m³/h	5.0	6.0	10.0	12.0
Final pressure	mbar abs.	80)	80	0
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%
Volt	1~	230±	10%	230±	10%
Motor power	3~	0.25	0.30	0.35	0.40
Kw	1~	0.25	0.30	0.25	0.30
Motor protection	IP	54	1	54	4
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740
Motor shape		Spec	cial	Spe	cial
Motor size		71		7	1
Noise level	dB(A)	62	64	62	64
Max. weight	3~	14.	5	20	.5
Kg	1~	15.	0	21.0	
A		26	0	310	
3		24	5	26	52
;		24	5	24	5
)		52)	70)
:		53	}	8	5
ł		12	2	12	2
		45)	4	5
М		88)	10	12
V		27	7	5/	2
1	Ø gas	G3/	8"	G1/	2"
Accessories and spare parts					
Oil load	1	0.2	5	0.4	10
Synthetic oil	VT OIL	ISO	32	ISO	32
vanes	art.	00 VTL	05 10	00 VTL	10 10
Sealing kit	art.	00 KIT \	/TL 05	00 KIT V	/TL 10
Check va <mark>lve</mark>	art.	10 02	2 10	10 03	3 10
Suction filtre	art.	FB 10/l	FC 10	FB 20/	FC 20
Adjustab <mark>le drip o</mark> iler	art.	00 VTL	00 11	00 VTL	00 11

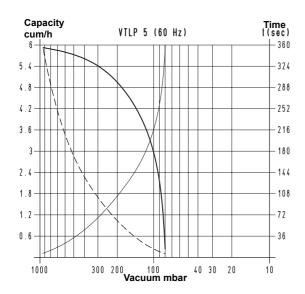
Note: The pump will be supplied with single-phase electric motor by adding the letter M to the article (E.g.: VTL 5 M).

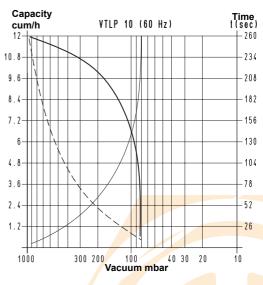
VACUUM PUMPS VTLP 5 and 10 WITH DISPOSABLE LUBRICATION





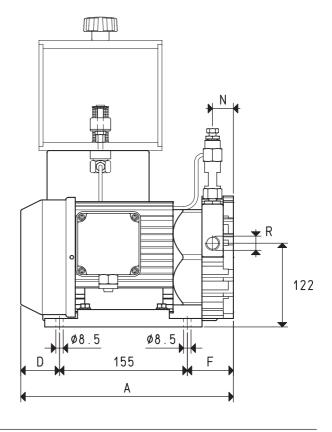






To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \frac{\chi V_1}{100}$

- 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



Art.		VTLI	P 5	VTLF	10
Frequency		50Hz	60Hz	50Hz	60Hz
Capacity	m³/h	5.0	6.0	10.0	12.0
Final pressure	mbar abs.	80)	80	0
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%
Volt	1~	230±	10%	230±	10%
Notor power	3~	0.25	0.30	0.35	0.40
Kw	1~	0.25	0.30	0.25	0.30
lotor protection	IP	54	ŀ	54	4
otation speed	rev/min ⁻¹	1450	1740	1450	1740
lotor shape		Spec	cial	Spe	cial
Notor size		71		7	1
loise level	dB(A)	62	64	62	64
lax. weight	3~	15.	6	21.6	
Kg	1~	16.	1	22.1	
		26		31	0
1		24	5	26	62
		52)	70)
		53	}	85	5
1		85)	10	12
		27		52	
	Ø gas	G3/3	8"	G1/	
ccessories and spare parts	3				
il load		1.8	3	1,3	8
ynthetic oil	VT OIL	ISO:		ISO	
vanes	art.	00 VTL	05 10	00 VTL	
ealing kit	art.	00 KIT V		00 KIT \	
heck valve	art.	10 02		10 00	
uction filtre	art.	FB 10/F		FB 20/	
il level switch	art.	00 LP V		00 LP \	
Oil filtre	art.	00 LP V		00 LP \	
Adjustab <mark>le drip o</mark> iler	art.	00 VTL		00 VTL	

Note: The pump will be supplied with single-phase electric motor by adding the letter M to the article (E.g.: VTLP 5 M).

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

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

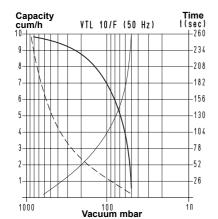
The rotor is cantilevered-fitted on the motor shaft and supported by independent bearings housed in the two pump flanges.

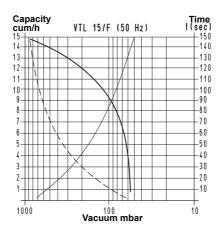
The pump is surface cooled. Heat is dispersed from the outer surface, suitably finned, by means of a radial fan placed between

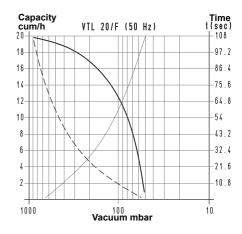
motor and pump. An oil recovery tank is installed on the pump exhaust. This tank contains a separator filtre that prevents oil mists and reduces noise.

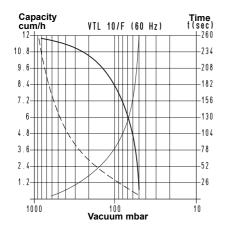
We strongly recommend installing a check valve and a filtre on the suction inlet. Also this range of pumps can be supplied with single-phase electric motors.

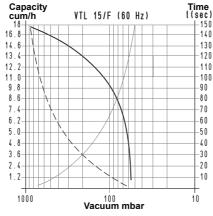


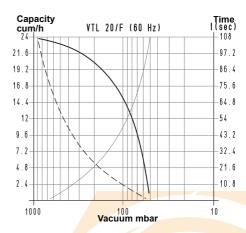










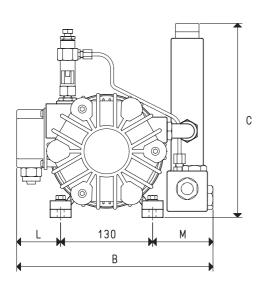


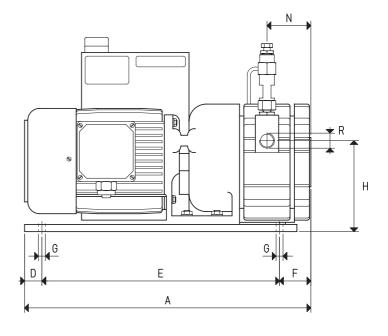
To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \frac{\chi V_1}{100}$

- 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)





Art.		VTL	10/F	VTL	15/F	VTL	20/F
Frequency		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Capacity	m³/h	10.0	12.0	15.0	18.0	20.0	24.0
Final pressure	mbar abs.	5	60	5	0	5	0
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480±10%
Volt	1~	230=	±10%	230±	10%	230±	10%
Motor power	3~	0.55	0.66	0.55	0.66	0.88	1.05
Kw	1~	0.55	0.66	0.55	0.66	0.66	0.80
Motor protection	IP	5	54	5	4	5	4
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740	1450	1740
Motor shape		Spe	ecial	Spe	cial	Spe	cial
Motor size		8	80	8	0	8	0
Noise level	dB(A)	62	64	63	65	64	66
Max. weight	3~	25.0		27.0		30.0	
Kg	1~	25.5		27.5		30.5	
A		385		405		425	
В		28	85	285		285	
C		25	59	25	59	25	59
D			.5	2		2	
E		3.	40	34	10	34	10
F		2	20	4	0	6	0
Н		1;	33	13	33	13	33
L			55	5	5	5	
М			00		00	10	
N			i3	6		7	
R	Ø gas		/2"	G1.		G1,	/2"
Accessories and spare parts	, and the second						
Oil load		0	.4	0.	.5	0.0	35
Synthetic oil	VT OIL	ISC	68		68	ISO	
6 vanes	art.		10F 10	00 VTL		00 VTL	
Sealing kit	art.		VTL 10F	00 KIT \		00 KIT \	
Check valve	art.		3 10		3 10	10 0	
Suction filtre	art.		/FC 20	FB 20/		FB 20/	
Adjustable drip oiler	art.		_ 00 11	00 VTL		00 VTL	

Note: The pump will be supplied with single-phase electric motor by adding the letter M to the article (E.g.: VTL 10/F M).

drawings available at www.vuototecnica.net 30

VACUUM PUMPS VTLP 10/F, 15/F and 20/F WITH DISPOSABLE LUBRICATION



These vacuum pumps having a suction capacity of 10, 15 and 20 cum/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.

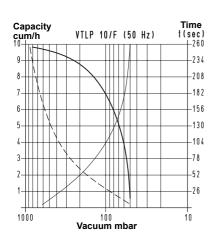
The pump is surface cooled. Heat is dispersed from the outer surface, suitably finned, by means of a radial fan placed between

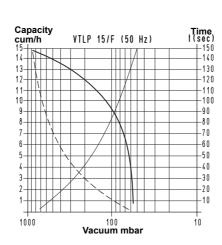
motor and pump. An oil recovery tank is installed on the pump exhaust. This tank contains a separator filtre that prevents oil mists and reduces noise. A safety valve is also installed on the tank for the automatic drainage of the exhaust

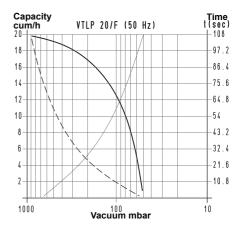
The lubrication oil is contained in a special transparent container, fixed to the pump via its support, and controlled by a magnetic level switch.

In pumps with disposable lubrication, the oil is sucked in the pump through an adjustable drip oiler and drained together with the sucked air in the recovery tank, without being put in circulation again. These pumps are necessary when the air to be sucked contains water condensation, solvent vapours or anything else that could effect oil properties.

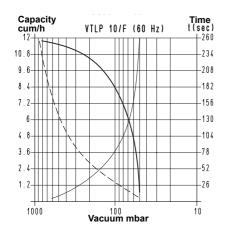
We strongly recommend installing a check valve and a filtre on the suction inlet. Also this range of pumps can be supplied with single-phase electric motors.

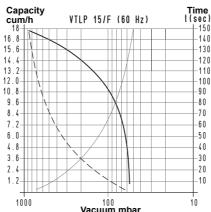


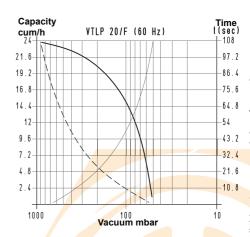




oil when not regularly drained.





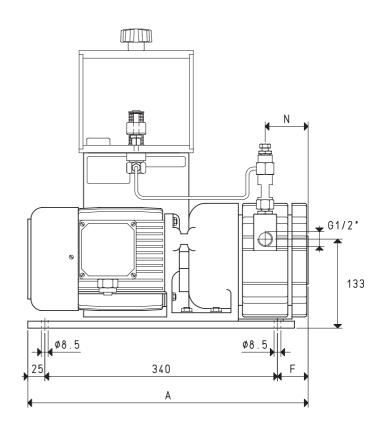


To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \times \frac{1}{100}$

- 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)



Art.		VTL	P 10/F	VTLP 15/F			VTLP 20/F	
Frequency		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Capacity	m³/h	10.0	12.0	15.0	18.0	20.0	24.0	
Final pressure	mbar abs.	5	50	50		50		
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480 ±10%	
Volt	1~	230:	230±10%		:10%	230	±10%	
Motor power	3~	0.55	0.66	0.55	0.66	0.88	1.05	
Kw	1~	0.55	0.66	0.55	0.66	0.66	0.80	
Motor protection	IP	5	54	5	4	!	54	
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740	1450	1740	
Motor shape		Spi	ecial	Spe	Special		ecial	
Motor size		8	80		80		30	
Noise level	dB(A)	62	64	63	65	64	66	
Max. weight	3~	20	26.1		3.1	3	1.1	
Kg	1~	20	6.6	28.6		3	1.6	
A		3	85	40	05	4	25	
F			20	40		60		
N		5	53	63		73		
Accessories and spare parts								
Oil load	1	1	.8	1	.8	1	.8	
Synthetic oil	VT OIL	ISC) 68	ISO	68	ISO	0 68	
6 vanes	art.	00 VTL	. 10F 10	00 VTL	15F 10	00 VTL	. 20F 10	
Sealing kit	art.	00 KIT	VTL 10F	00 KIT \	VTL 15F	00 KIT	VTL 20F	
Check valve	art.	10 (03 10	10 0	3 10	10 (03 10	
Suction filtre	art.	FB 20	/FC 20	FB 20	/FC 20	FB 20)/FC 20	
Oil level switch	art.	00 LP	VTL 99	00 LP	VTL 99	00 LP	VTL 99	
Oil filtre	art.	00 LP	VTL 40	00 LP	VTL 40	00 LP	VTL 40	
Adjustable drip oiler	art.	00 VTI	_ 00 11	00 VTL	. 00 11	00 VT	L 00 11	

Note: The pump will be supplied with single-phase electric motor by adding the letter M to the article (E.g.: VTLP 10/F M).

drawings available at www.vuototecnica.net

VACUUM PUMPS VTL 25/FG, 30/FG and 35/FG

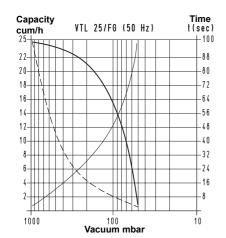
These vacuum pumps have a suction capacity of 10, 15 and 20 cum/h.

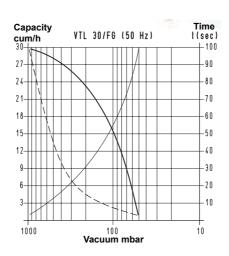
The vacuum lubrication with oil recirculation is adjusted via two oilers located in correspondence of the support bearings. The rotor is cantilevered-fitted on the motor shaft and supported by independent bearings housed in the two pump flanges. The pump and the electric motor are, therefore, two independent units and fixed onto a special support and connected to each other via an elastic transmission joint. All this allows using standard electric motors, in the shapes and sizes indicated in the table. 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 filtre that prevents oil mists and reduces noise.

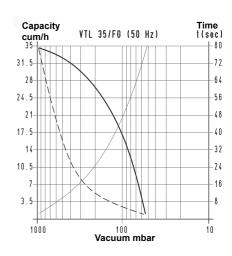
We strongly recommend installing a check valve and a filtre on the suction inlet.

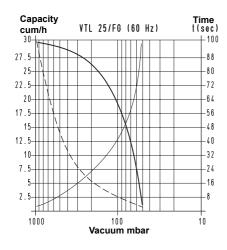
These pumps are supplied with three-phase electric motors only.

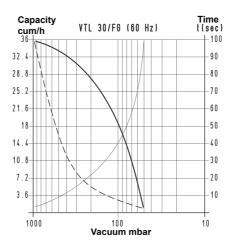


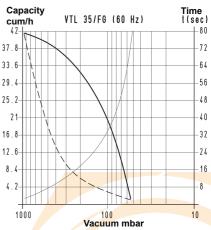








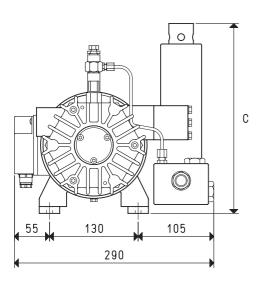


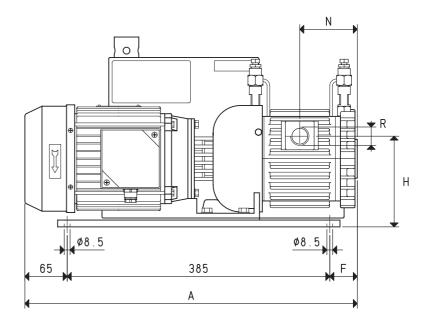


To calculate the emptying time of a volume V_1 , apply the formula t_1

- 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)





VTL 30/FG

VTL 35/FG

Frequency		S0Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Capacity	m³/h	25.0	30.0	30.0	36.0	35.0	42.0
		1	50.0		30.0		42.0 50
Final pressure	mbar abs.			_	-		
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480 ±10%
Volt							
Motor power	3~	0.88	1.05	1.00	1.20	1.00	1.20
Kw							
Motor protection	IP		54	5	4	į	54
Rotation speed	rev/min-1	1450	1740	1450	1740	1450	1740
Motor shape		[314	В	14	В	14
Motor size			80	8	0	80	
Noise level	dB(A)	64	66	65	67	65	67
Max. weight	3~	31.0		35	5.0	3	7.0
Kg							
A			470	4:	90	5	10
C			280	2	30	2	80
F			20	4	.0	(60
Н			133	1:	33	1	33
N			73	8	3	ç	93
R	Ø gas	G	3/4"	G3	/4"	G	3/4"
Accessories and spare parts							
Oil load).65	0.	85	0	.85
Synthetic oil	VT OIL	IS	0 68	ISC	68		0 68
6 vanes	art.	00 VTL 25FG 10		00 VTL	30FG 10	00 VTL	35FG 10
Sealing kit	art.		VTL 25FG		TL 30FG		/TL 35FG
Check valve	art.		04 10		4 10		04 10
Suction filtre	art.	<u> </u>	5/FC 25		/FC 25		5/FC 25
Adjustable drip oiler	art.		TL 00 11	00 VTI			L 00 11

VTL 25/FG

Art.

3D drawings available at www.vuototecnica.net

VACUUM PUMPS VTL 25/FG, 30/FG and 35/FG WITH DISPOSABLE LUBRICATION

These vacuum pumps have a suction capacity of 25, 30 and 35 cum/h.

The vacuum lubrication with oil recirculation is adjusted via two oilers located in correspondence of the support bearings.

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

The pump and the electric motor are, therefore, two independent units and fixed onto a special support and connected to each other via an elastic transmission joint.

All this allows using standard electric motors, in the shapes and sizes indicated in the table.

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 filtre that prevents oil mists and reduces noise.

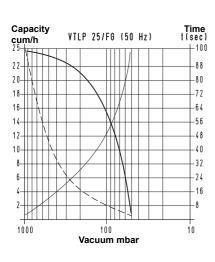
A safety valve is also installed on the tank for the automatic drainage of the exhaust oil when not regularly drained.

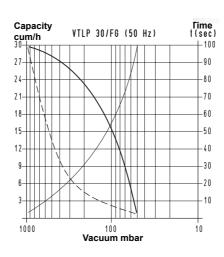
The lubrication oil is contained in a special transparent container, fixed to the pump via its support, and controlled by a magnetic level switch.

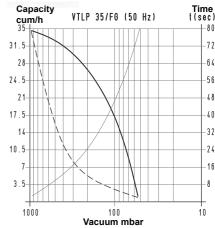
In pumps with disposable lubrication, the oil is sucked in the pump through an adjustable drip oiler and drained together with the sucked air in the recovery tank, without being put in circulation again. These pumps are necessary when the air to be sucked contains water condensation, solvent vapours or anything else that could effect oil properties.

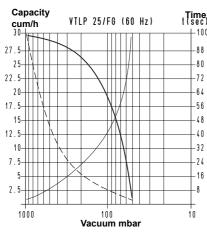
We strongly recommend installing a check valve and a filtre on the suction inlet.

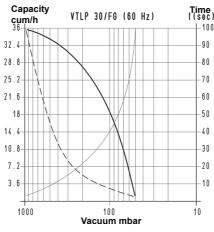
These pumps are supplied with three-phase electric motors only.

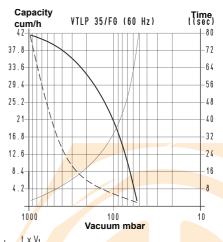












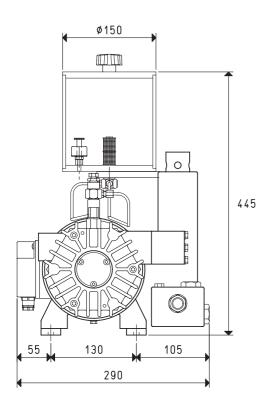
To calculate the emptying time of a volume V₁, apply the formula

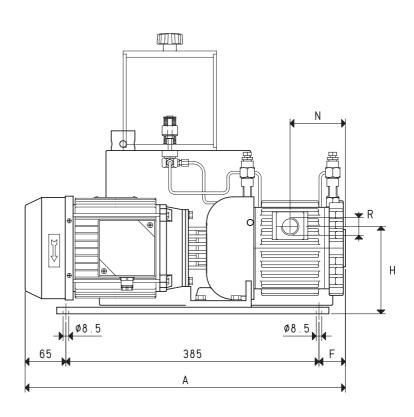
- Curve regarding capacity (referring to the suction pressure)
- ——— Curve regarding capacity (referring to a 1013 bar pressure)

 ——— Curve regarding the emptying of a 100-litre volume

V₁: Volume to be emptied

t₁: Time to be calculated (sec)





Art.	·	VTL	P 25/FG	VTLP	30/FG	VTLP 35/FG		
Frequency		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Capacity	m³/h	25.0	30.0	30.0	36.0	35.0	42.0	
Final pressure	mbar abs.		50	50		Ę	50	
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480 ±10%	
Volt								
Motor power	3~	0.88	1.05	1.00	1.20	1.00	1.20	
Kw								
Motor protection	IP		54	5	4	Ę	54	
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740	1450	1740	
Motor shape		E	14	B ⁻	B14		14	
Motor size			30	80		80		
Noise level	dB(A)	64	66	65	67	65	67	
Max. weight	3~	32.0		36	6.0	38	8.0	
Kg								
A		4	70	49	90	5	10	
F			20	4	.0	6	60	
Н		1	33	13	33	1	33	
N			73	8	3	Q	93	
R	Ø gas	G	3/4"	G3/4"		G3/4"		
Accessories and spare parts								
Oil load			.8	1	.8	1	.8	
Synthetic oil	VT OIL	ISO) 68	ISO	68	ISC) 68	
6 vanes	art.	00 VTL	25FG 10	00 VTL :	30FG 10	00 VTL	35FG 10	
Sealing kit	art.	00 KIT	/TL 25FG	00 KIT V	TL 30FG	00 KIT \	/TL 35FG	
Check valve	art.	10 (04 10	10 0	4 10	10 (04 10	
Suction filtre	art.	FB 25	5/FC 25	FB 25	/FC 25	FB 25	/FC 25	
Oil level switch	art.	00 LP	VTL 99	00 LP	VTL 99	00 LP	VTL 99	
Oil filtre	art.	00 LP	VTL 40	00 LP	VTL 40	00 LP	VTL 40	
Adjustab <mark>le drip o</mark> iler	art.	00 VT	L 00 11	00 VTL	. 00 11	00 VTI	_ 00 11	

VACUUM PUMPS VTL 40/G1 ÷ 105/G1

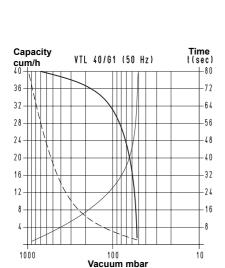
These vacuum pumps have a suction capacity of 40, 50, 65, 75, 90 and 105 cum/h. The vacuum lubrication with oil recirculation is adjusted via two oilers located in correspondence of the support bearings.

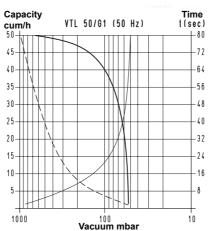
The rotor is fitted on the motor shaft and supported by independent bearings housed in the two pump flanges. The pump and the electric motor are, therefore, two independent units and fixed onto a special support and connected to each other via an elastic transmission joint.

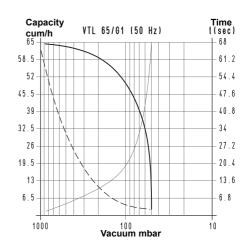
All this allows using standard electric motors, in the shapes and sizes indicated in the table.

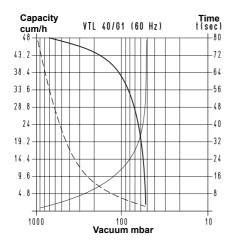
The pump is surface cooled. Heat is dispersed from the outer surface, suitably finned, by means of a radial fan placed between motor and pump. An oil recovery tank is installed on the pump exhaust. This tank contains a separator filtre that prevents oil mists and reduces noise.

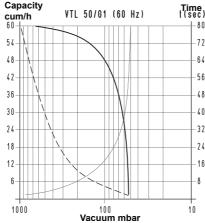
An oil recovery tank is installed on the pump exhaust. This tank contains a separator filtre that prevents oil mists and reduces noise. A check valve and a filtre must be installed on the suction inlet. These pumps are supplied with three-phase electric motors only.

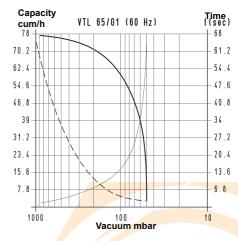










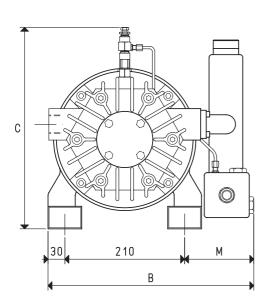


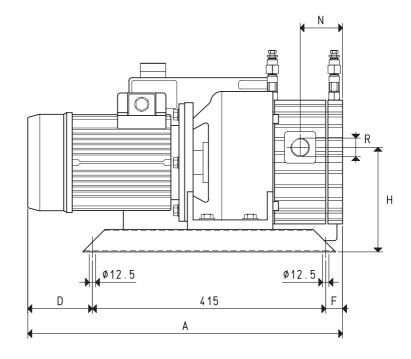
To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \times \frac{1}{100}$

- 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

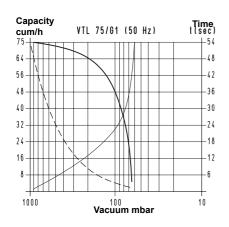
t₁: Time to be calculated (sec)

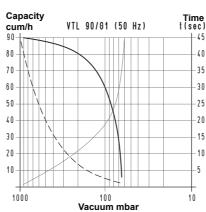


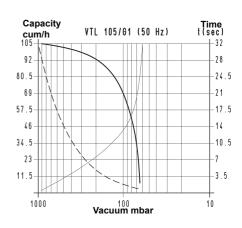


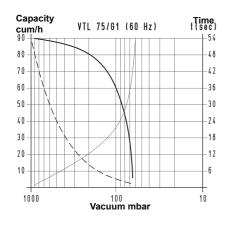
Art.		VTL	40/G1	VTL !	50/G1	VTL	VTL 65/G1	
Frequency		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Capacity	m³/h	40.0	48.0	50.0	60.0	65.0	78.0	
Final pressure	mbar abs.		50	50			50	
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480 ±10%	
Volt								
Motor power	3~	1.10	1.35	1.50	1.80	1.50	1.80	
Kw								
Motor protection	IP		54	5	4		54	
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740	1450	1740	
Motor shape			B5	Е	5	I	B5	
Motor size			90	g	0	90		
Noise level	dB(A)	68	70	68	70	70	72	
Max. weight	3~	5	1.0	54	1.0	7	1.0	
Kg								
A		Ę	520	5	60	5	580	
В		3	365	3	65	3	365	
C		3	350	350		350		
D			60	115		120		
F			45	3	0		45	
Н		1	186	18	36	1	86	
M		1	125	1:	25	1	25	
N			70	8	0		80	
R	Ø gas	(31"	G	1"	(61"	
Accessories and spare parts								
Oil load	1	C).85	1.	00	1	.00	
Synthetic oil	VT OIL	ISO 100		ISO	100	ISC	100	
6 vanes	art.	00 VTL 40G1 10		00 VTL	50G1 10	00 VTL	65G1 10	
Sealing kit	art.	00 KIT	VTL 40G1	00 KIT V	TL 50G1	00 KIT \	/TL 65 G1	
Check valve	art.	10	05 10	10 0	5 10	10	05 10	
Suction filtre	art.	FB 30	D/FC 30	FB 30	/FC 30	FB 30)/FC 30	
Adjustab <mark>le drip o</mark> iler	art.	00 VT	L 00 11	00 VTL	. 00 11	00 VT	L 00 11	

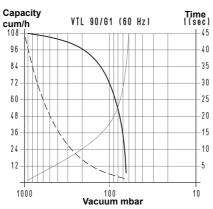


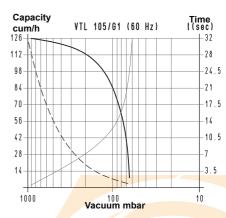








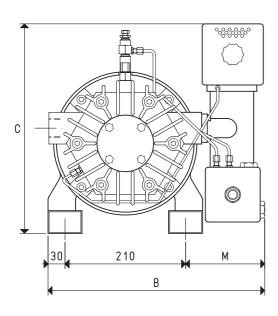


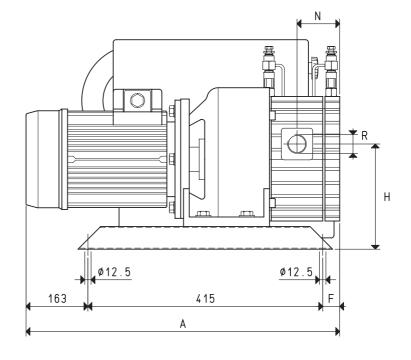


To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \times V_1$

- 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)





VTL 90/G1

VTL 105/G1

60Hz 90.0 50 275/480±10%	50Hz 90.0 5 230/400±10%	60Hz 108.0 0 275/480±10%	50Hz 105.0 5 230/400±10%	60Hz 126.0
50 275/480±10%	5230/400±10%	0	Ę	50
275/480±10%	230/400±10%			
		275/480±10%	230/400±10%	075/100
2.70	0.00			275/480 ±10%
2.70	0.00			
	3.00	3.60	3.00	3.60
54	5	4	Ę	54
1740	1450	1740	1450	1740
B5	В	5	Е	35
100	10	00	1	00
72	71	73	72	74
76.5	84.0		97.6	
640	66	60	6	90
385	40	00	4	00
400	40	00	4	45
62	8	2	1	12
186	18	36	1	86
145	15	50	1	60
80	9	2	1:	22
G1"1/4	G1"	1/4	G1	"1/2
2.0	2	.6	2	6
ISO 100	ISO	100	ISO	100
VTL 75G1 29	00 VTL 9	90G1 29	00 VTL 1	05G1 29
VTL 75G1 10	00 VTL 9	90G1 10	00 VTL 1	05G1 10
KIT VTL 75G1	00 KIT V	TL 90G1	00 KIT V	TL 105G1
10 06 10	10 0	6 10	10 0	7 10
B 40/FC 40	FB 40	/FC 40	FB 50	/FC 50
V/TL 00 11	00.1/11	00.11	UU NAI	_ 00 11
	1740 B5 100 72 76.5 640 385 400 62 186 145 80 G1"1/4 2.0 ISO 100 VTL 75G1 29 VTL 75G1 10 KIT VTL 75G1 10 06 10 B 40/FC 40	1740 1450 B5 B 100 10 72 71 76.5 84 640 66 385 40 400 40 62 88 186 18 145 19 80 9 G1"1/4 G1" 2.0 2 ISO 100 ISO VTL 75G1 29 00 VTL 9 VTL 75G1 10 VTL 75G1 00 VTL 9 VTL 75G1 VTL 75G1 VTL 9 VTL 75G1	1740 1450 1740 B5 B5 100 100 72 71 73 76.5 84.0 640 660 385 400 400 62 82 186 186 145 150 80 92 G1"1/4 G1"1/4 2.0 2.6 ISO 100 ISO 100 VTL 75G1 29 00 VTL 90G1 29 VTL 75G1 10 00 KIT VTL 90G1 10 06 10 10 06 10 B 40/FC 40 FB 40/FC 40	1740 1450 1740 1450 B5 B5 E 100 100 1 72 71 73 72 76.5 84.0 91 640 660 6 385 400 4 400 400 4 62 82 1 186 186 1 145 150 1 80 92 1 G1"1/4 G1"1/4 G1"1/4 2.0 2.6 2 ISO 100 ISO 100 ISO VTL 75G1 29 00 VTL 90G1 29 00 VTL 1 VTL 75G1 10 00 VTL 90G1 10 00 VTL 1 KIT VTL 75G1 00 KIT VTL 90G1 00 KIT VTL 1 10 06 10 10 06 10 10 06 10 8 40/FC 40 FB 50

VTL 75/G1

Art.

VACUUM PUMPS VTLP 40/G1 ÷ 105/G1, WITH DISPOSABLE LUBRICATION

These vane vacuum pumps have a suction capacity of 40, 50, 65, 75, 90 and 105 cum/h. The vacuum lubrication with oil recirculation is adjusted via two oilers located in correspondence of the support bearings.

The rotor is fitted on the motor shaft and supported by independent bearings housed in the two pump flanges. The pump and the electric motor are, therefore, two independent units and fixed onto a special support and connected to each other via an elastic transmission joint.

All this allows using standard electric motors, in the shapes and sizes indicated in the table.

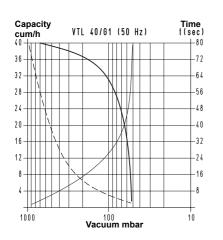
he pump is surface cooled. Heat is dispersed from the outer surface, suitably finned, by means of a radial fan placed between motor and pump. An oil recovery tank is installed on the pump exhaust. This tank contains a separator filtre

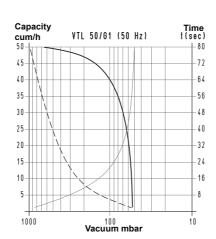
A safety valve is also installed on the tank for the automatic drainage of the exhaust oil when not regularly drained.

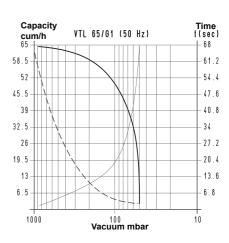
The lubrication oil is contained in a special transparent container, fixed to the pump via its support, and controlled by a magnetic level switch.

In pumps with disposable lubrication, the oil is sucked in the pump through an adjustable drip oiler and drained together with the sucked air in the recovery tank, without being put in circulation again. These pumps are necessary when the air to be sucked contains water condensation, solvent vapours or anything else that could effect oil properties.

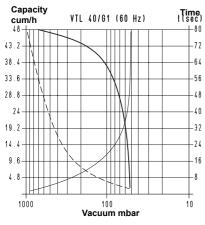
A check valve and a filtre must be installed on the suction inlet. These pumps are supplied with three-phase electric motors only.

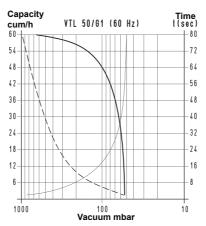


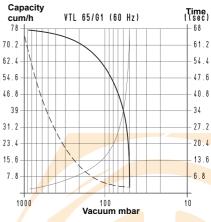




that prevents oil mists and reduces noise.



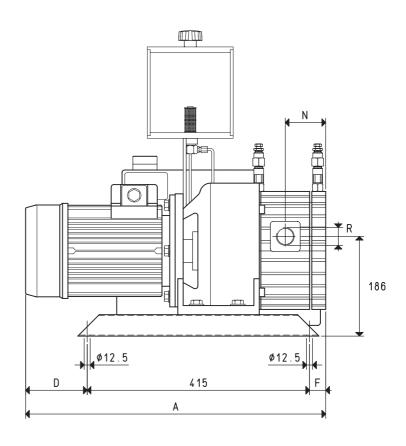




To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \times \frac{1}{100}$

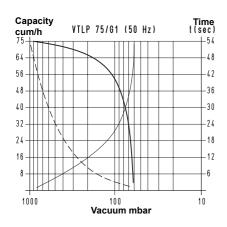
- Curve regarding capacity (referring to the suction pressure) Curve regarding capacity (referring to a 1013 bar pressure)
 Curve regarding the emptying of a 100-litre volume

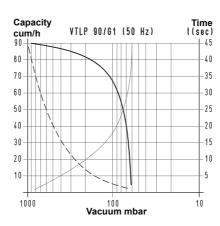
V₁: Volume to be emptied t₁: Time to be calculated (sec)

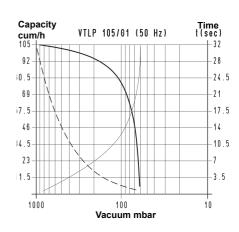


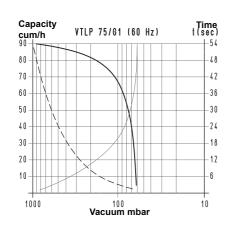
Art.		VTL	P 40/G1	VTLP	50/G1	VTLP	VTLP 65/G1	
Frequency		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Capacity	m³/h	40.0	48.0	50.0	60.0	65.0	78.0	
Final pressure	mbar abs.		50	50		5	50	
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480 ±10%	
Volt								
Motor power	3~	1.10	1.35	1.50	1.80	1.50	1.80	
Kw								
Motor protection	IP		54	5	54	5	54	
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740	1450	1740	
Motor shape			B5	Е	35	В	35	
Motor size			90	g	00	90		
Noise level	dB(A)	68	70	68	70	70	72	
Max. weight	3~	52.5		55.1		72	2.1	
Kg								
A			520	5	60	5	80	
D			60	1	15	1:	20	
F			45	3	30	4	15	
М			125	125		125		
N			70	8	30	80		
R	Ø gas		G1"	G1"		G1"		
Accessories and spare parts								
Oil load			1.80	1.	80	1.	80	
Synthetic oil	VT OIL	IS	0 100	ISO	100	ISO	100	
6 vanes	art.	00 VT	L 40G1 10	00 VTL	50G1 10	00 VTL	65G1 10	
Sealing kit	art.	00 KIT	VTL 40G1	00 KIT V	TL 50G1	00 KIT V	TL 65G1	
Check valve	art.	10 05 10		10 0	5 10	10 0	5 10	
Suction filtre	art.	FB 3	30/FC 30	FB 30	/FC 30	FB 30	/FC 30	
Oil level switch	art.	00 L	P VTL 99	00 LP	00 LP VTL 99		VTL 99	
Oil filtre	art.	00 L	P VTL 40	00 LP	VTL 40	00 LP	VTL 40	
Adjustable drip oiler	art.	00 V	TL 00 11	00 VTL	. 00 11	00 VTL	. 00 11	

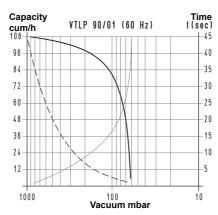


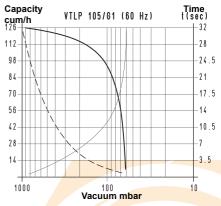










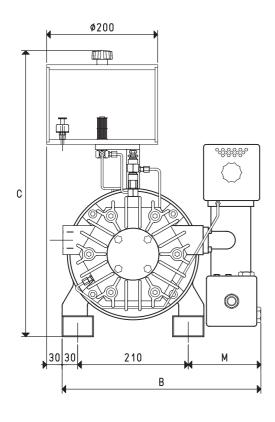


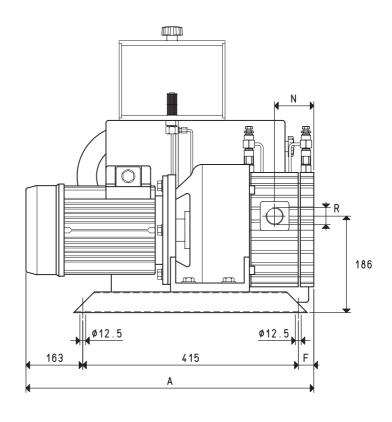
To calculate the emptying time of a volume V_1 , apply the formula $t_1 = \frac{1}{100} \times V_1$

- 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)





Art.	·	VTLP	75/G1	VTLP	90/G1	VTLP	105/G1
Frequency		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Capacity	m³/h	75.0	90.0	90.0	108.0	105.0	126.0
Final pressure	mbar abs.	Ę	50	5	50		50
Motor execution	3~	230/400±10%	275/480±10%	230/400±10%	275/480±10%	230/400±10%	275/480 ±10%
Volt							
Motor protection	IP	Į	54	5	54		54
Motor power	3~	2.20	2.70	3.00	3.60	3.00	3.60
Kw							
Rotation speed	rev/min ⁻¹	1450	1740	1450	1740	1450	1740
Motor shape		E	35	Е	35		B5
Motor size		1	00	1	00	1	00
Noise level	dB(A)	70	72	71	73	72	74
Max. weight	3~	78.3		85.8		99.4	
Kg							
A		6	40	6	60	6	690
В		4	15	4:	30	4	130
C		5	75	5	75	6	620
F		6	32	8	32	1	12
M		1	45	1	50	1	60
N		3	30	g)2	1	22
R	Ø gas	G1	1/4"	G1	1/4"	G1	1/2"
Accessories and spare parts							
Oil load		3	3.8	3	.8	;	3.8
Synthetic oil	VT OIL	ISO	100	ISO	100	ISC	100
Deoiling cartridge	art.	00 VTL	75G1 29	00 VTL	90G1 29	00 VTL	105G1 29
6 vanes	art.	00 VTL	75G1 10	00 VTL	90 G110	00 VTL	105 G110
Sealing kit	art.	00 KIT \	/TL 75G1	00 KIT V	TL 90G1	00 KIT \	/TL 105G1
Check valve	art.	10 (06 10	10 0	06 10	10	07 10
Suction filtre	art.	FB 40	/FC 40	FB 40	/FC 40	FB 50	D/FC 50
Oil level switch	art.	00 LP	VTL 99	00 LP	VTL 99	00 LF	VTL 99
Oil filtre	art.	00 LP	VTL 40	00 LP	VTL 40	00 LF	VTL 40
Adjustab <mark>le drip o</mark> iler	art.	00 VTI	_ 00 11	00 VTL	. 00 11	00 VT	L 00 11

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