L - Maxflex Pump

Max. vacuum level	: **-91 kPa** (-26.87 inHg)
Max. flow rate	: **6100 Nl/min** (215.4 scfm)
Supply air pressure	: **3~6bar, max 7bar** (43.5~87 psi, max 101.5psi)
Supply air type	: Dry compressed air
Working temperature	: -20℃ ~ 80℃
Noise level	: 55 ~ 68 dBA

Main Advantages

This is the most significant model based on the multi stage principle. Low compressed air are required for massive evacuation volumes at high vacuum flow and high vacuum level rate Vtec air saving kit is available in this pump in order to maximize the reduction of energy usage.

The pumps utilize an integrally mounted large bore air supply ON/OFF valve as an option. Viton® & EPDM seals can be also stipulated as an option as well.

Order No.

VTM150LEF - AS - A3 - SG2 - N V

① ② ③ ④ ⑤ ⑥

① Model – Capacity equivalent to electricity motor pump size

● **VTM150LEF**	– 1.5KW
VTM200LEF	– 2KW
VTM300LEF	– 3KW
VTM400LEF	– 4KW
VTM500LEF	– 5KW
VTM600LEF	– 6KW
VTM800LEF	– 8KW

② Air saving kit (📖 108)

No mark	– Standard
● **AS**	– Air saving kit attach

③ Air supply control valve

No mark	– Without control valve
A1	– AC110V Electrically operated valve
A2	– AC220V Electrically operated valve
● **A3**	– DC24V Electrically operated valve
A4	– Pneumatically operated valve

④ Vacuum switch

S2(P)	– Digital output 2points, No analog supply M8–4Pin male connector (0.3m lead wire)
●**SG2**(P)	– Digital output 2points, No analog supply Grommet type 4–core 2m lead wire
SG3(P)	– Digital output 2points, Analog supply Grommet type 4–core 2m lead wire

※ Remark : ① S..(P) → Output type : PNP open collector.
② VCM8 42 : M8–4Pin female connector, only for type S2(P)

⑤ Non return valve

No mark	– Standard
● **N**	– Non return valve

⑥ Sealing

No mark	– Standard (NBR)
● **V**	– Viton®
E	– EPDM

Characteristics

Model	max. vacuum -kPa(-inHg)	Max. vacuum flow (Nl/m)	air consumption (Nl/m)	noise level (dBA)	weight (g)	min hose inner Ø (within 2m)		
						air supply	vacuum	exhaust
VTM150LEF	91 (26.87)	1680	684	55~65	3143	⟩8	⟩25	⟩32
VTM200LEF		2100	912	55~65	3260	⟩10	⟩32	⟩40
VTM300LEF		2600	1368	55~68	3660	⟩12	⟩40	⟩60
VTM400LEF		3180	1824	55~68	5785	⟩12	⟩40	⟩60
VTM500LEF		4200	2280	60~68	6275	⟩14	⟩45	⟩70
VTM600LEF		5010	2736	60~68	6641	⟩14	⟩50	⟩70
VTM800LEF		6100	3648	60~68	7497	⟩15	⟩50	⟩75

Vacuum flow in (Nl/m) at different Vacuum level (-kPa)

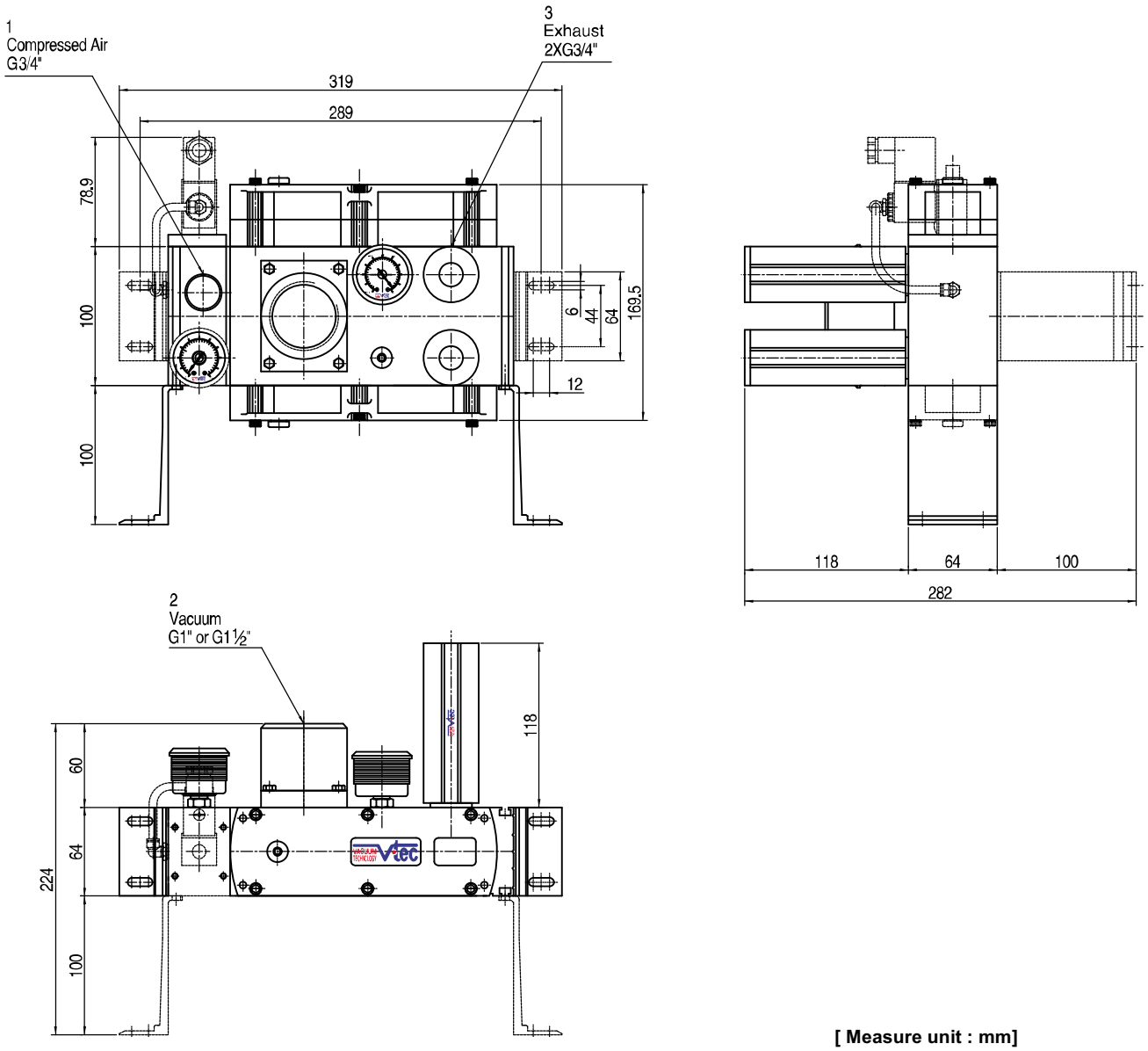
-inHg / -kPa / Model	0 0	2.95 10	5.9 20	8.85 30	11.81 40	14.76 50	17.71 60	20.67 70	23.62 80	26.57 90
VTM150LEF	1680	838	642	439.2	244.8	190.8	144	97.2	39.6	4.32
VTM200LEF	2100	1260	900	585.6	326.4	254.4	192	129.6	52.8	5.76
VTM300LEF	2600	1800	1260	878.4	489.6	381.6	288	194.4	92	8.67
VTM400LEF	3180	2400	1608	1171	652.8	508.8	384	259.2	105.6	11.52
VTM500LEF	4200	2950	2020	1464	816	636	480	324	132	14.4
VTM600LEF	5010	3450	2450	1757	979.2	763.2	576	388.8	158.4	17.28
VTM800LEF	6100	4200	3340	2342	1306	1018	768	518.4	211.2	23

Time in seconds to evacuate to vacuum level (sec/l)

-inHg / -kPa / Model	2.95 10	5.9 20	8.85 30	11.81 40	14.76 50	17.71 60	20.67 70	23.62 80	26.57 90
VTM150LEF	0.0033	0.009	0.02	0.04	0.071	0.11	0.17	0.31	0.87
VTM200LEF	0.0025	0.007	0.015	0.03	0.053	0.083	0.128	0.21	0.58
VTM300LEF	0.0017	0.005	0.01	0.02	0.035	0.055	0.085	0.16	0.44
VTM400LEF	0.0013	0.004	0.008	0.015	0.027	0.041	0.064	0.11	0.29
VTM500LEF	0.001	0.003	0.006	0.012	0.021	0.033	0.051	0.09	0.26
VTM600LEF	0.0008	0.0023	0.005	0.01	0.018	0.028	0.043	0.08	0.22
VTM800LEF	0.0006	0.0018	0.004	0.008	0.013	0.021	0.032	0.05	0.15

Dimensional Information

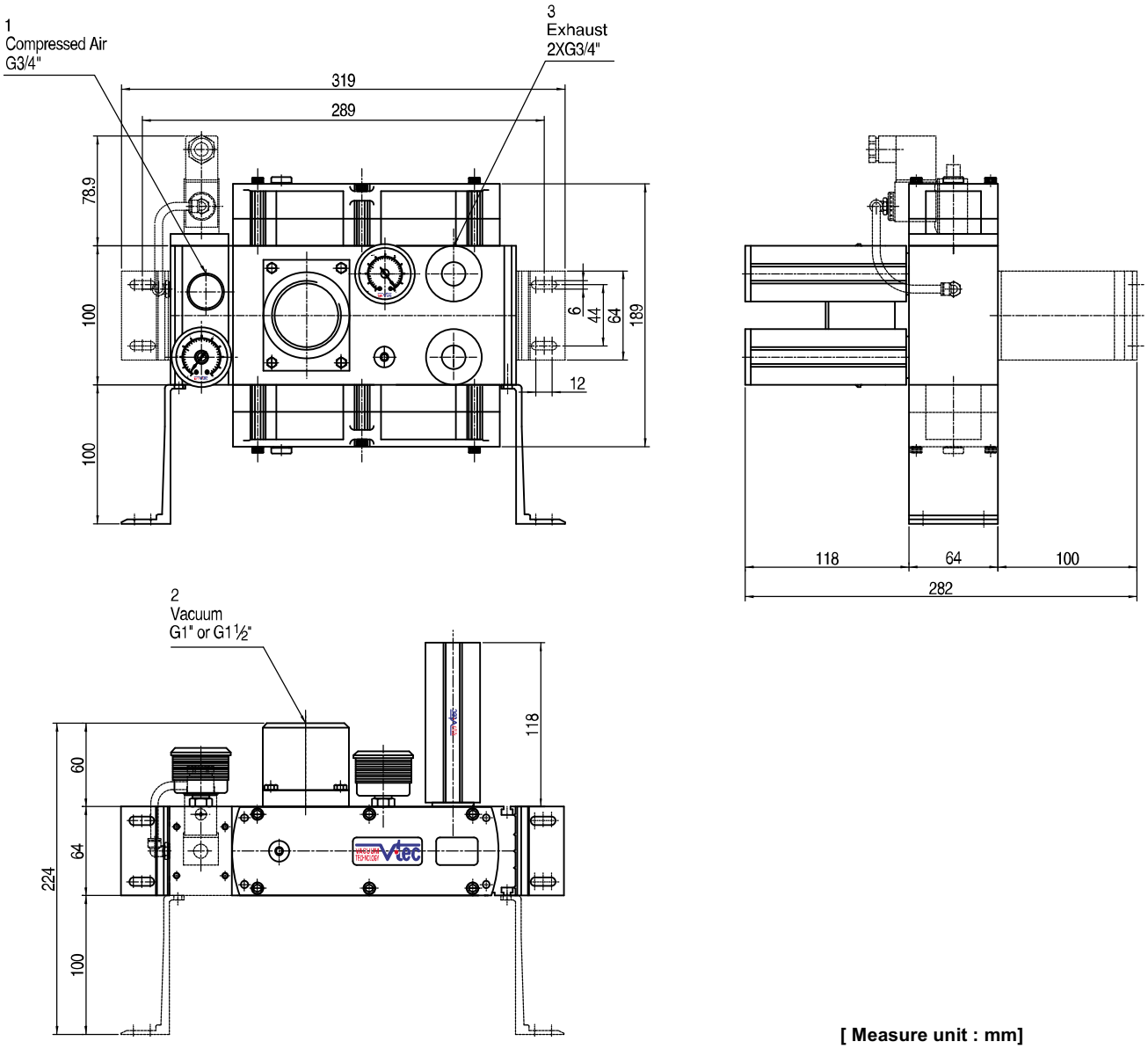
VTM150LEF



[Measure unit : mm]

Dimensional Information

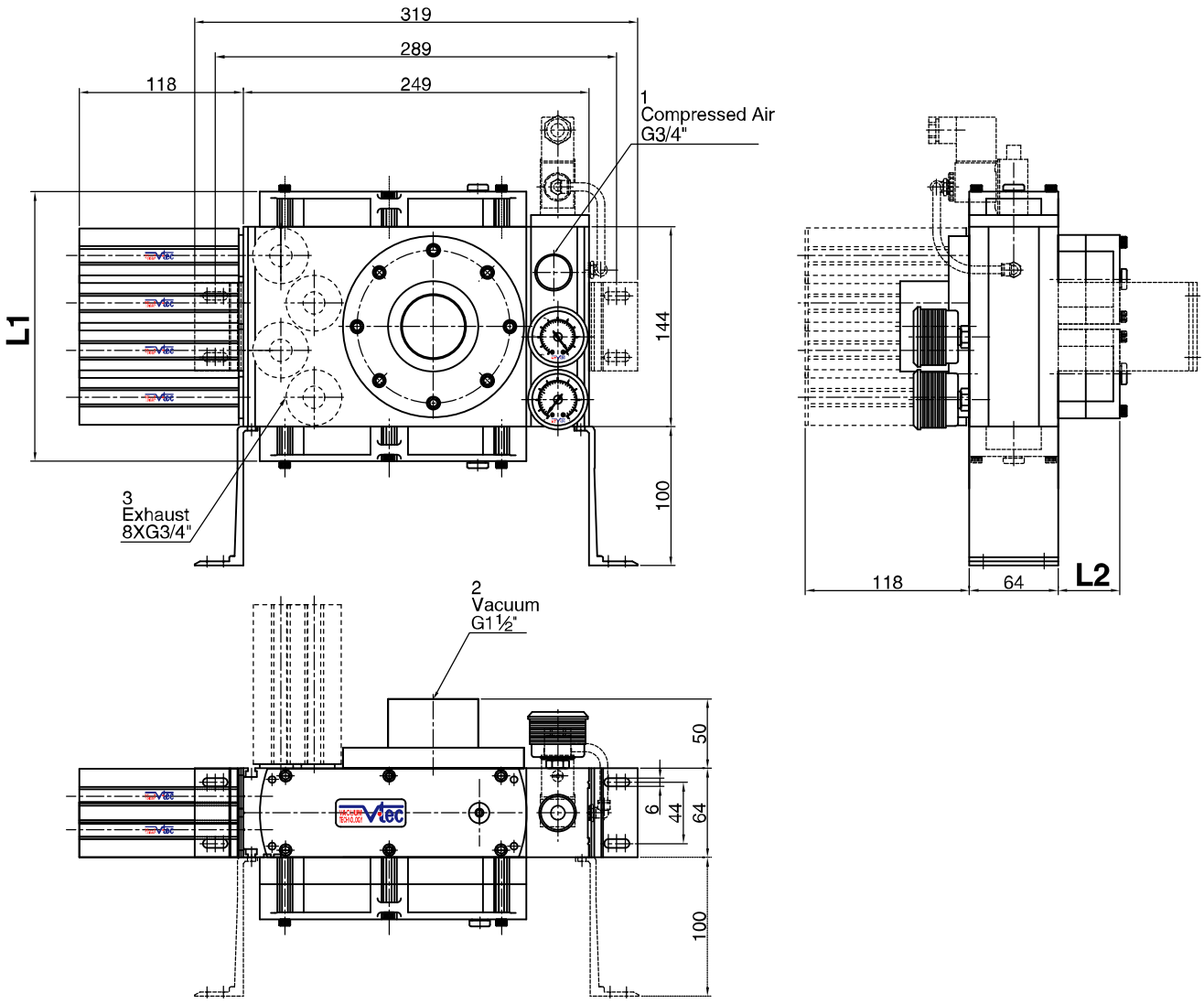
VTM200LEF



[Measure unit : mm]

Dimensional Information

VTM300LEF
400
500



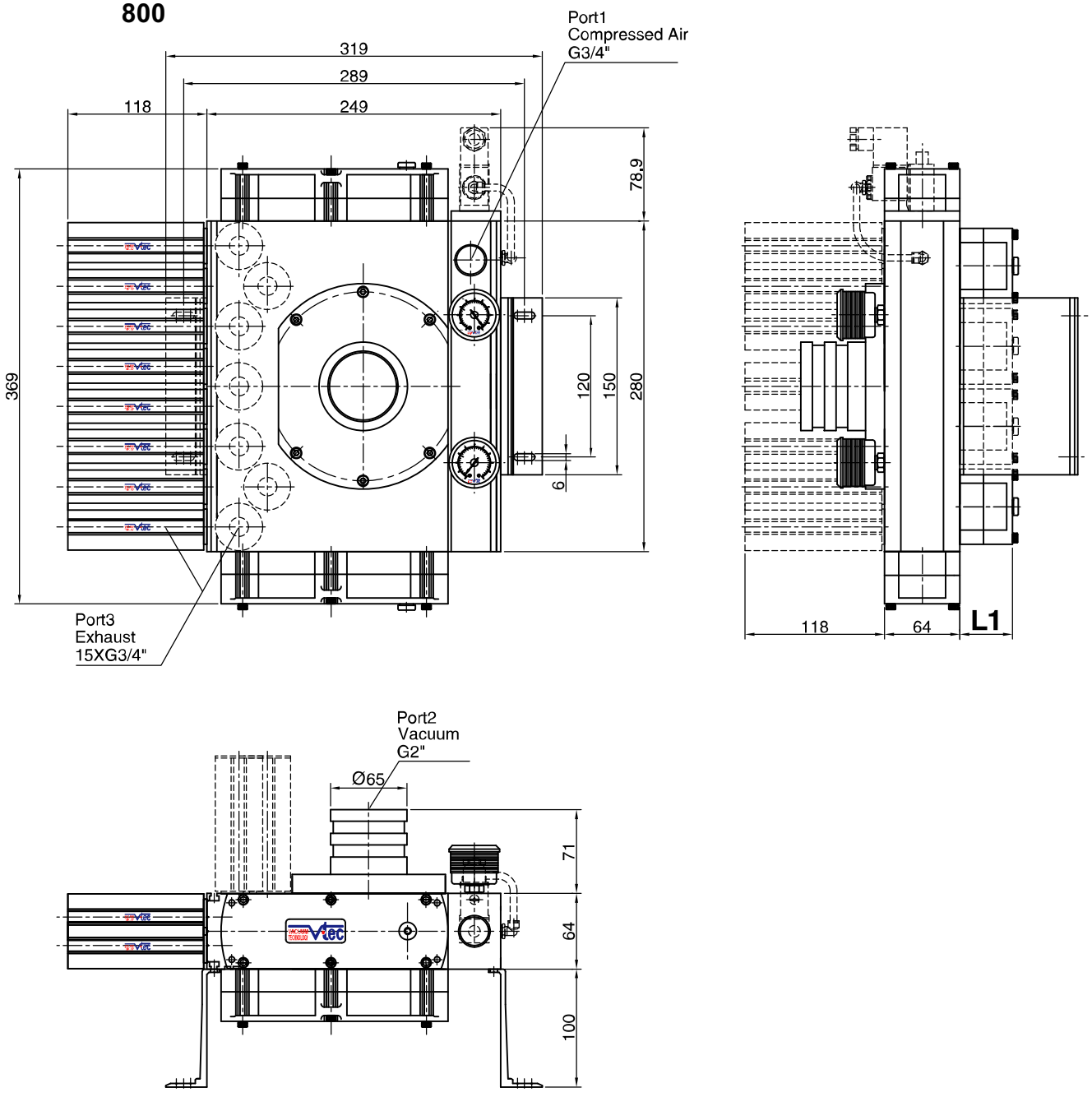
[Measure unit : mm]

(mm)

Model	L1	L2
VTM300LEF	194	44.5
VTM400LEF	233	44.5
VTM500LEF	233	64

Dimensional Information

VTM600LEF
800



[Measure unit : mm]

(mm)

Model	L1
VTM600LEF	44.5
VTM800LEF	64