



Eurovacuum EVSL Series

Dry Running Scroll Vacuum Pump

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Dry Running Scroll Vacuum Pumps

Eurovacuum Company is offering its various products to meet industrial vacuum needs.

Eurovacuum Company is founded in 2006, with over 30 year experiences in the vacuum Industry its founders have been putting their best efforts continuously to produce high quality Dry Running Scroll Vacuum Pumps, with diverse range of capacity for use in Laboratories, Universities industrial application.

A scroll vacuum pump uses two interleaved spirals to pump gases. One of the scrolls is fixed, while the other orbits eccentrically without rotating, thereby trapping and pumping or compressing pockets of gas between the scrolls. Their lack of valves, seals and glands makes them comparatively inexpensive to maintain, and the possibility of self-service makes for a relatively low-cost maintenance item compared to other pump types.

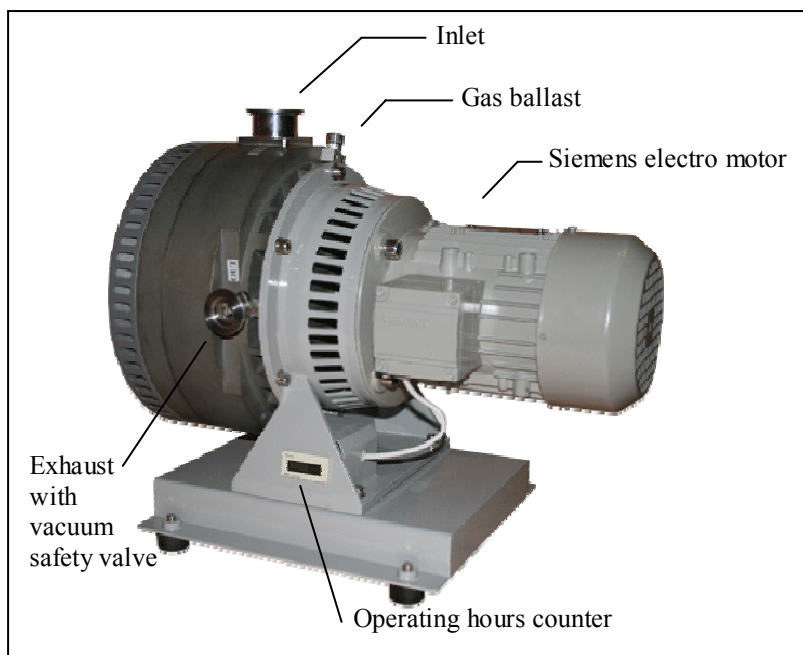
Advantages to the User

- Absolute oil free
- Low ultimate pressure
- Low noise level
- Low space requirement, easy to install
- Air-cooling
- Maintenance-friendly
- Compact design
- Anti-Suckback valve to secure the vacuum in the system
- Integrated operating hours counter
- Direct drive, Design requires no belts
- Low power consumption

Maintenance Intervals

In order to maintain the performance of the pump, a standard maintenance is required after a certain number of operating hours:

- Small maintenance kit (Minor kit) after 8000 hours or latest after 12 months operating time.
- Large maintenance kit (Mayor kit) after 16000 hours or latest after 24 months operating time.



Contents



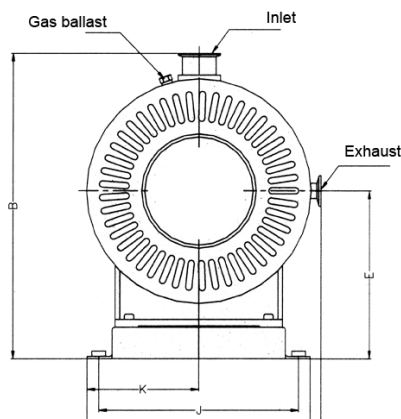
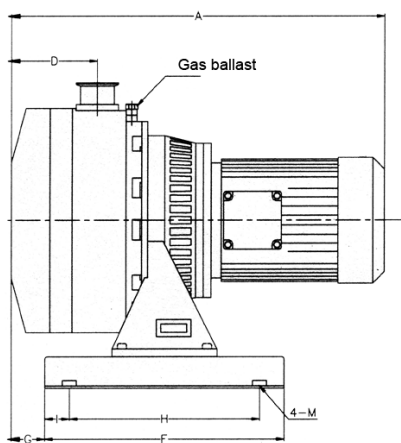
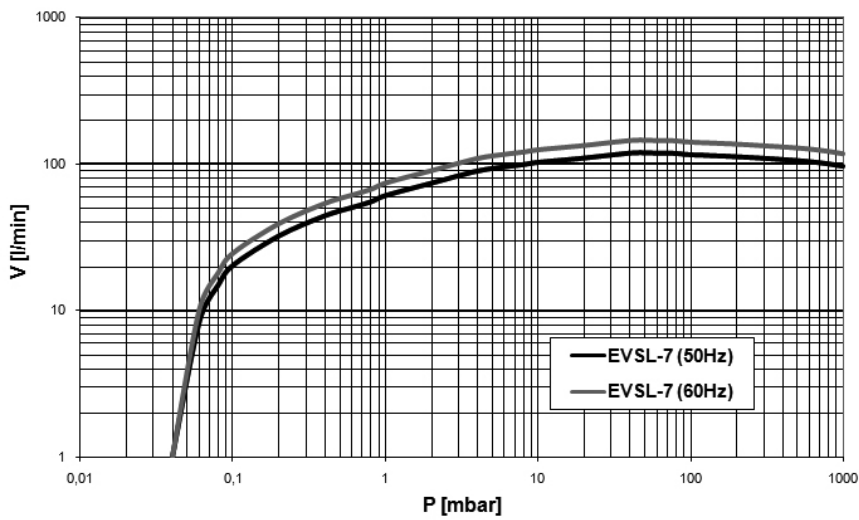
Eurovacuum EVSL Series

Dry running Scroll Vacuum Pump

TYPE EVSL-7

Available from Apr. 2009

Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M
EVSL-7	365	225	182	95	132	140	100	112	14	154	76	182	7

TYPE EVSL-7

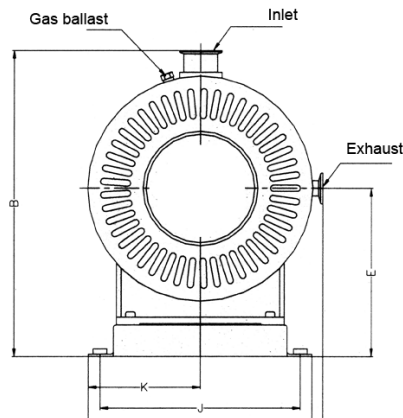
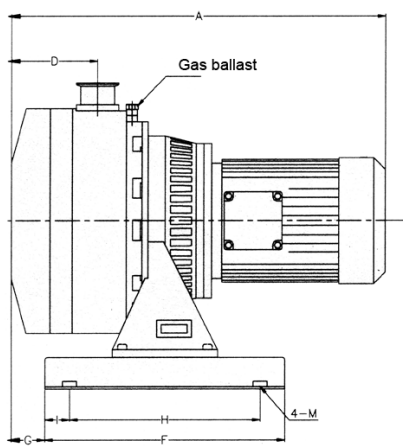
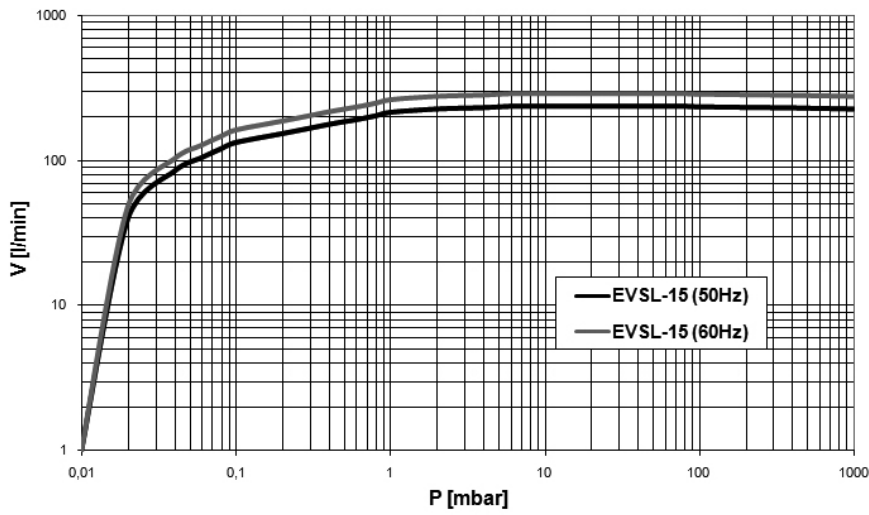
Technical Data		TYPE EVSL-7	
		50 Hz	60 Hz
Pumping speed	m ³ /h	7,2	8,6
Ultimate pressure max.	mbar	$3,5 \cdot 10^{-2}$	$3,5 \cdot 10^{-2}$
Leak rate	mbar·l/s	$< 10^{-4}$	$< 10^{-4}$
Max. inlet pressure	mbar	atmosphere	atmosphere
Motor power	kW	0,25	0,25
Nominal speed	rpm	2850	3450
Noise level	dB(A)	≤ 60	≤ 60
Weight	kg	19	19
Admissible ambient temp.	°C	5 to 40	5 to 40
Connection	Inlet	DIN 25 KF	25 KF
	Outlet	DIN 16 KF	16 KF

Ordering Information	TYPE EVSL-7	
	50 Hz	60 Hz
Single phase motor 230V, 50Hz (IEC) 230V, 60Hz (IEC) 230V, 60Hz (NEMA)	631.001	631.002 631.003
Three phase motor 400V, 50Hz (IEC) 400V, 60Hz (IEC) 400V, 60Hz (NEMA)	631.011	631.012 631.013
Other Voltages/Frequencies	Upon request	
Exhaust damper	631.100	
Minor kit (8000 hours)	631.801	
Major kit (16000 hours)	631.802	

TYPE EVSL-15

Available from Apr. 2009

Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M
EVSL-15	453	335	180	108	188	170	121	130	20	136	90	180	11

TYPE EVSL-15

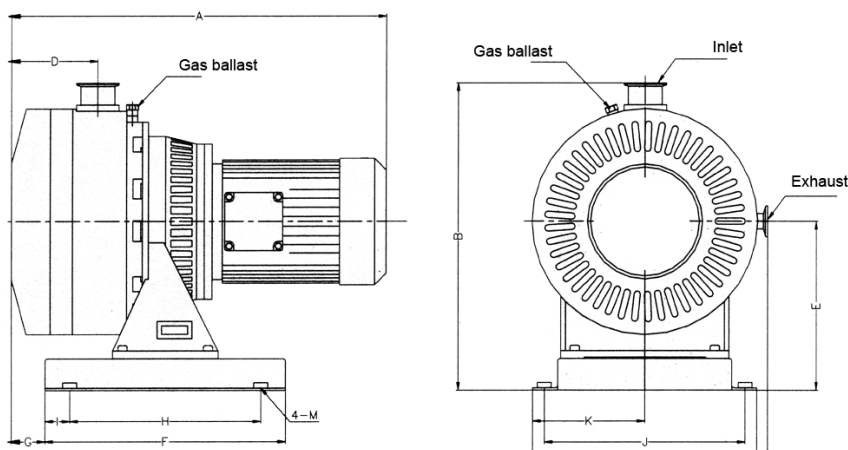
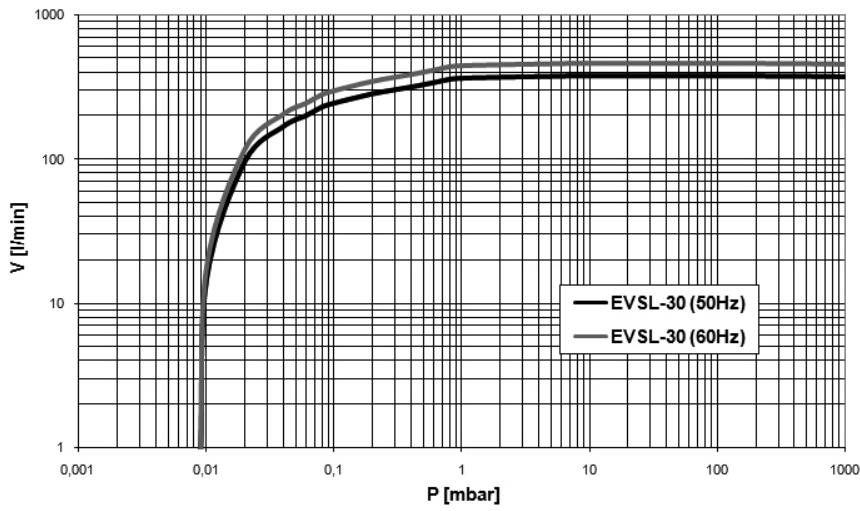
Technical Data		TYPE EVSL-15	
		50 Hz	60 Hz
Pumping speed	m ³ /h	14,5	17
Ultimate pressure max.	mbar	$1,6 \cdot 10^{-2}$	$1,6 \cdot 10^{-2}$
Leak rate	mbar·l/s	$< 10^{-4}$	$< 10^{-4}$
Max. inlet pressure	mbar	atmosphere	atmosphere
Motor power	kW	0,55	0,55
Nominal speed	rpm	2850	3450
Noise level	dB(A)	≤ 65	≤ 65
Weight	kg	30	30
Admissible ambient temp.	°C	5 to 40	5 to 40
Connection	Inlet	DIN 25 KF	25 KF
	Outlet	DIN 16 KF	16 KF

Ordering Information	TYPE EVSL-15	
	50 Hz	60 Hz
Single phase motor 230V, 50Hz (IEC) 230V, 60Hz (IEC) 230V, 60Hz (NEMA)	632.001	632.002 632.003
Three phase motor 400V, 50Hz (IEC) 400V, 60Hz (IEC) 400V, 60Hz (NEMA)	632.011	632.012 632.013
Other Voltages/Frequencies	Upon request	
Exhaust damper	631.100	
Minor kit (8000 hours)	632.801	
Major kit (16000 hours)	632.802	

TYPE EVSL-30



Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M
EVSL-30	482	395	302	111	217	310	43	246	32	258	144	288	M10

TYPE EVSL-30

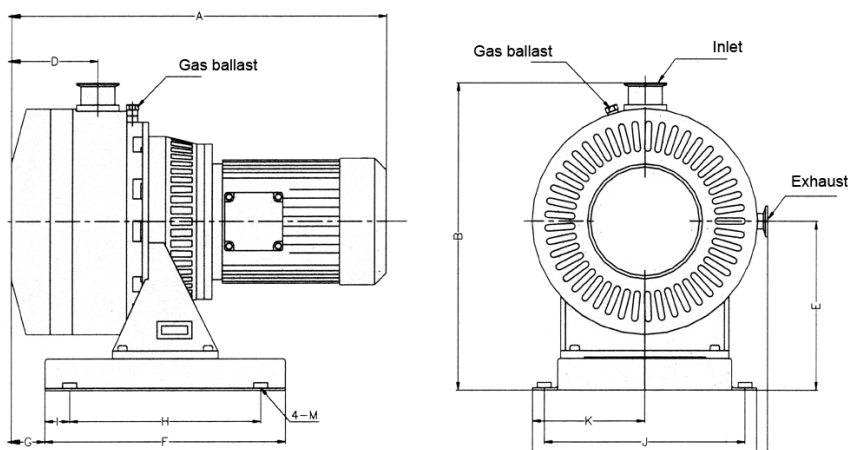
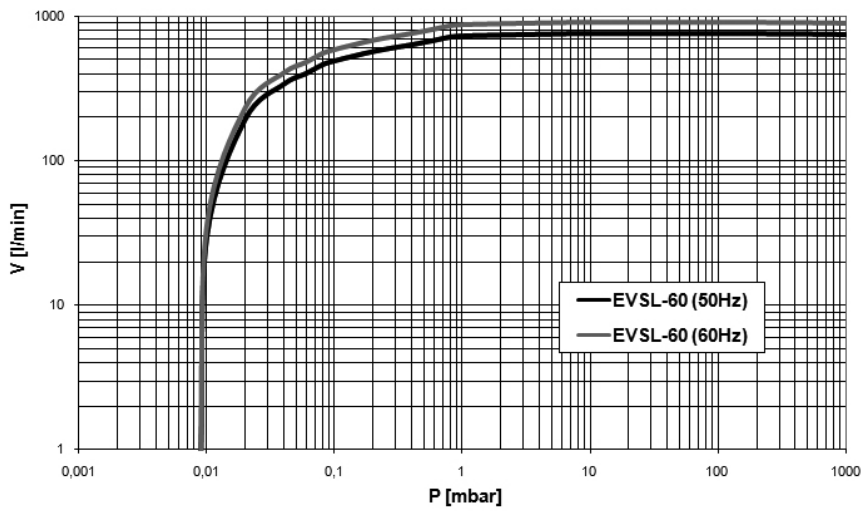
Technical Data		TYPE EVSL-30	
		50 Hz	60 Hz
Pumping speed	m ³ /h	29	35
Ultimate pressure max.	mbar	9·10 ⁻³	9·10 ⁻³
Leak rate	mbar·l/s	< 10 ⁻⁴	< 10 ⁻⁴
Max. inlet pressure	mbar	atmosphere	atmosphere
Motor power	kW	0,75	0,75
Nominal speed	rpm	2850	3450
Noise level	dB(A)	≤ 68	≤ 68
Weight	kg	48	48
Admissible ambient temp.	°C	5 to 40	5 to 40
Connection	Inlet	DIN 40 KF	40 KF
	Outlet	DIN 25 KF	25 KF

Ordering Information	TYPE EVSL-30	
	50 Hz	60 Hz
Single phase motor 230V, 50Hz (IEC) 230V, 60Hz (IEC) 230V, 60Hz (NEMA)	633.001	633.002 633.003
Three phase motor 400V, 50Hz (IEC) 400V, 60Hz (IEC) 400V, 60Hz (NEMA)	633.011	633.012 633.013
Other Voltages/Frequencies	Upon request	
Exhaust damper	633.100	
Minor kit (8000 hours)	633.801	
Major kit (16000 hours)	633.802	

TYPE EVSL-60

Available from July 2009

Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M
EVSL-60	593	450	386	152	338	350	55	280	35	296	160	320	M10

TYPE EVSL-60

Technical Data		TYPE EVSL-60	
		50 Hz	60 Hz
Pumping speed	m ³ /h	54	65
Ultimate pressure max.	mbar	9·10 ⁻³	9·10 ⁻³
Leak rate	mbar·l/s	< 10 ⁻⁴	< 10 ⁻⁴
Max. inlet pressure	mbar	atmosphere	atmosphere
Motor power	kW	1,5	1,5
Nominal speed	rpm	2850	3450
Noise level	dB(A)	≤ 75	≤ 75
Weight	kg	72	72
Admissible ambient temp.	°C	5 to 40	5 to 40
Connection	Inlet	DIN 40 KF	40 KF
	Outlet	DIN 40 KF	40 KF

Ordering Information	TYPE EVSL-60	
	50 Hz	60 Hz
Three phase motor 400V, 50Hz (IEC) 400V, 60Hz (IEC) 400V, 60Hz (NEMA)	634.011	634.012 634.013
Other Voltages/Frequencies	Upon request	
Exhaust damper	634.100	
Minor kit (8000 hours)	634.801	
Major kit (16000 hours)	634.802	

