



Eurovacuum EVD Series

Double Stage Oil Sealed Rotary Vane Pump



Eurovacuum EVD Series

Double Stage Oil Sealed Rotary Vane 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 Oil Sealed Rotary Vane Pumps, with diverse range of capacity for use in the industry and laboratories in diverse applications.

Advantages to the User

- High pumping speed also at low pressures
- Low noise level
- Air-cooling, no water required
- Low space requirement, easy to install
- Maintenance-friendly
- Compact design
- Anti-Suckback valve to secure the vacuum in the system
- High water vapour tolerance
- Direct drive, Design requires no belts
- Wide range of accessories available for easy adaptation

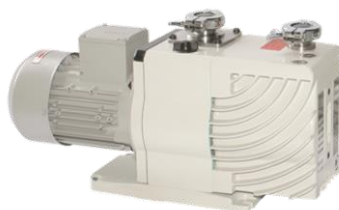
Application Examples

- Car industry
- Food industry
- Furnaces and plants
- Laser technology
- Medicinal technology
- Metallurgy
- Power engineering, long-distance energy
- Space simulation
- Vacuum coating

3 TYPES AVAILABLE



SMALL SIZE
EVD-VE type
Pumping speeds from:
1,7 to 20 m³/h
Ask for the EVD-VE catalog

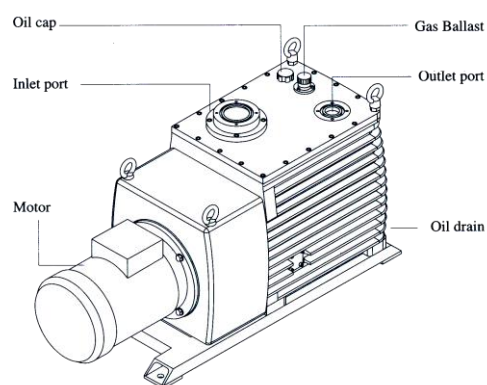
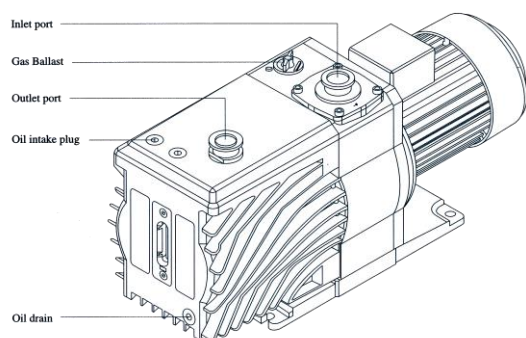


MEDIUM SIZE
EVD type
Pumping speeds from:
5,4 to 90 m³/h



LARGE SIZE
EVD type
Pumping speeds from:
120 to 270 m³/h

Contents



Eurovacuum EVD Series

EVD series

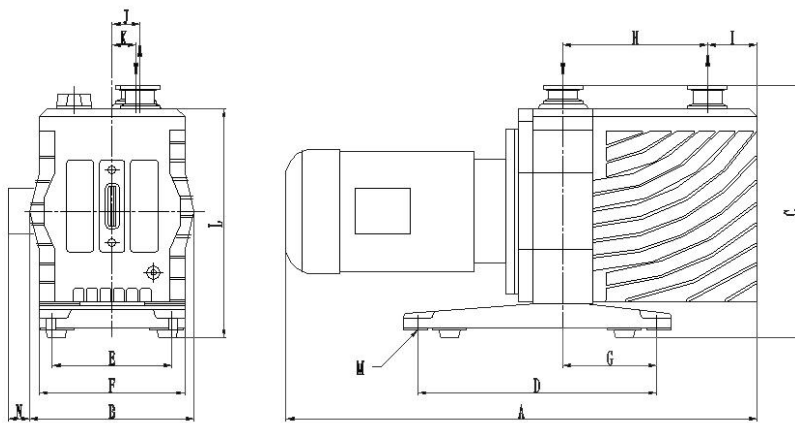
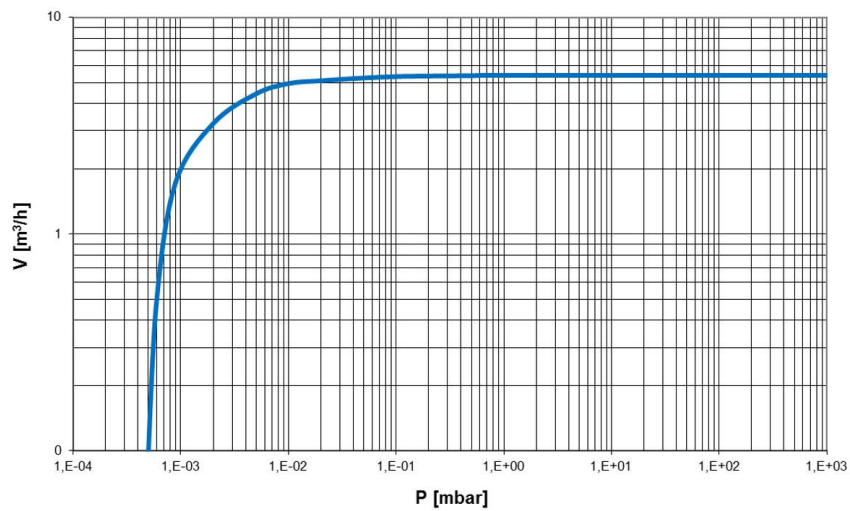
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TYPE EVD-6



Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N
EVD-6	470	165	252	240	120	146	94	120	50	24	28	229	Ø9	53

TYPE EVD-6

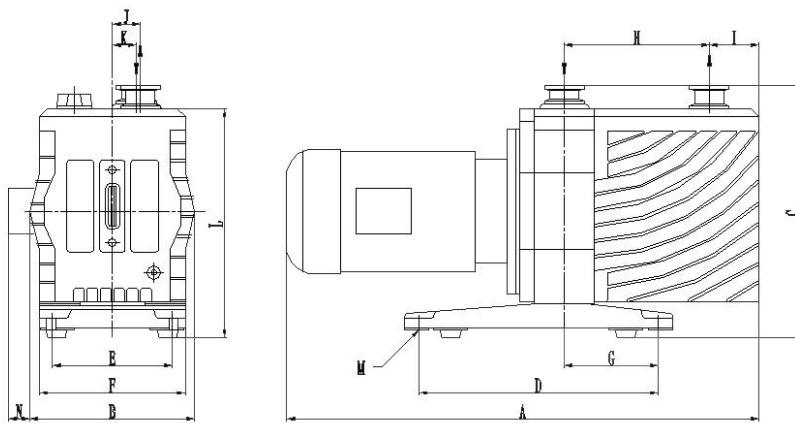
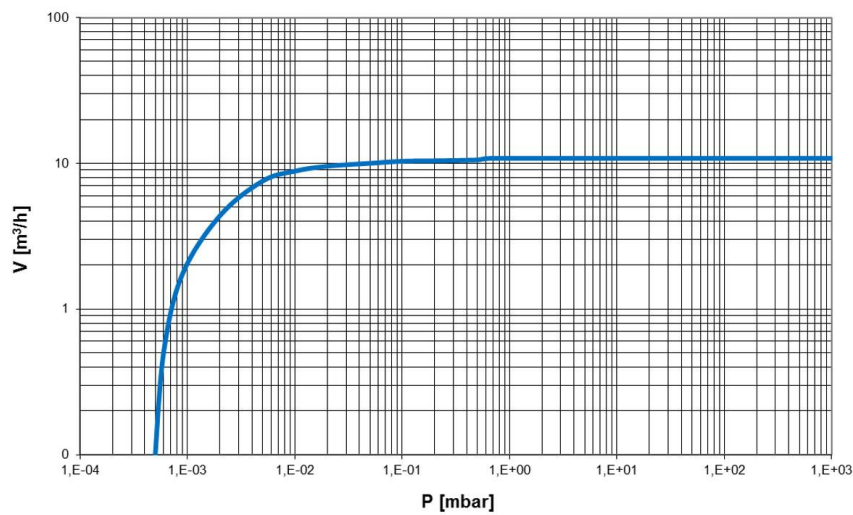
Technical Data		TYPE EVD-6	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	5,4	6,5
Ultimate partial pressure	mbar	10 ⁻⁴	10 ⁻⁴
Ultimate total pressure	mbar	4x10 ⁻³	4x10 ⁻³
Motor power	kW	0,37	0,37
Nominal speed	rpm	1450	1750
Water vapor tolerance	mbar	50	50
Noise level	dB	50	52
Oil capacity	ltr	1,3	1,3
Weight	kg	23	23
Admissible ambient temp.	°C	10 to 40	10 to 40
Connection Inlet	DIN	25 KF	25 KF
Outlet	DIN	25 KF	25 KF

Ordering Information	TYPE EVD-6
Single phase motor 230V, 50/60Hz 110-115V, 50/60Hz	420901 420903
Three phase motor 400V, 50Hz / 460V, 60Hz	420902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-25A	420910A
Replacement cartridge for EF-25A	420916A
Seal kit	420911
Overhaul kit	420912
Inlet dust filter, polyester cartridge	778025
Inlet dust filter, Activated Alumina	778026
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

TYPE EVD-12



Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N
EVD-12	495	165	252	240	120	146	94	145	50	24	28	229	Ø9	53

TYPE EVD-12

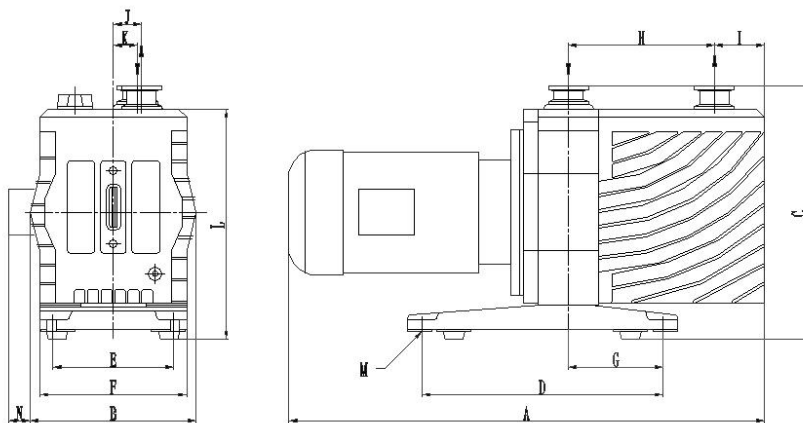
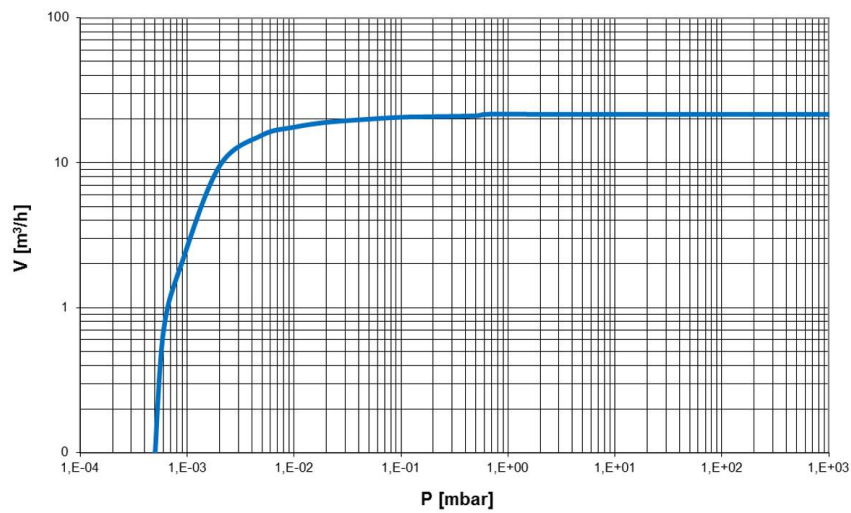
Technical Data		TYPE EVD-12	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	10,8	13,0
Ultimate partial pressure	mbar	10 ⁻⁴	10 ⁻⁴
Ultimate total pressure	mbar	4x10 ⁻³	4x10 ⁻³
Motor power	kW	0,37	0,37
Nominal speed	rpm	1450	1750
Water vapor tolerance	mbar	50	50
Noise level	dB	50	52
Oil capacity	ltr	1,1	1,1
Weight	kg	25	25
Admissible ambient temp.	°C	10 to 40	10 to 40
Connection Inlet	DIN	25 KF	25 KF
Outlet	DIN	25 KF	25 KF

Ordering Information	TYPE EVD-12
Single phase motor 230V, 50/60Hz 110-115V, 50/60Hz	421901 421903
Three phase motor 400V, 50Hz / 460V, 60Hz	421902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-25A	420910A
Replacement cartridge for EF-25A	420916A
Seal kit	420911
Overhaul kit	421912
Inlet dust filter, polyester cartridge	778025
Inlet dust filter, Activated Alumina	778026
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

TYPE EVD-24



Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N
EVD-24	535	205	288	310	140	180	147	156	75	40	34	262	Ø12	48

TYPE EVD-24

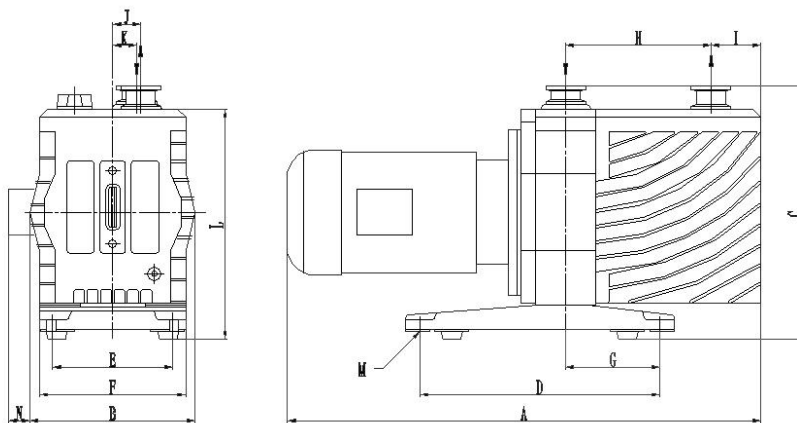
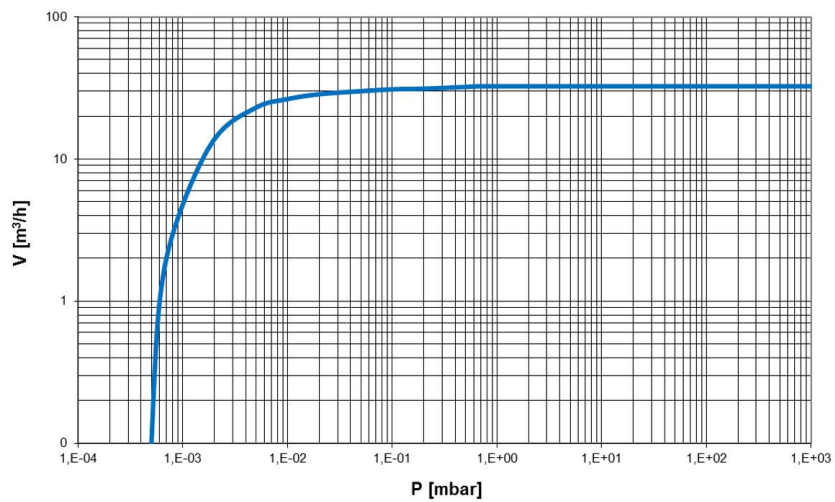
Technical Data		TYPE EVD-24	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	21,6	26,0
Ultimate partial pressure	mbar	10 ⁻⁴	10 ⁻⁴
Ultimate total pressure	mbar	4x10 ⁻³	4x10 ⁻³
Motor power	kW	0,75	0,75
Nominal speed	rpm	1450	1750
Water vapor tolerance	mbar	30	30
Noise level	dB	52	54
Oil capacity	ltr	1,4	1,4
Weight	kg	37	37
Admissible ambient temp.	°C	10 to 40	10 to 40
Connection Inlet	DIN	25 KF	25 KF
Outlet	DIN	25 KF	25 KF

Ordering Information	TYPE EVD-24
Single phase motor 230V, 50/60Hz 110-115V, 50/60Hz	422901 422903
Three phase motor 400V, 50Hz / 460V, 60Hz	422902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-25A	420910A
Replacement cartridge for EF-25A	420916A
Seal kit	422911
Overhaul kit	422912
Inlet dust filter, polyester cartridge	778025
Inlet dust filter, Activated Alumina	778026
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

TYPE EVD-36



Pumping speed curve



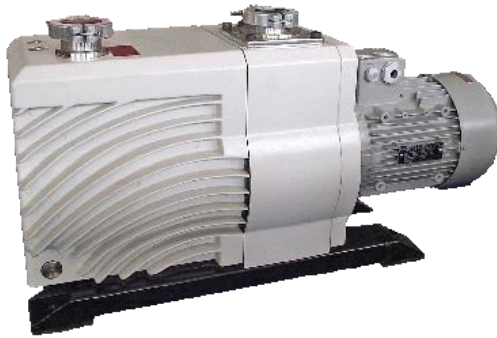
Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N
EVD-36	565	205	288/296	310	140	180	147	186	75	40	34	262	Ø12	48

TYPE EVD-36

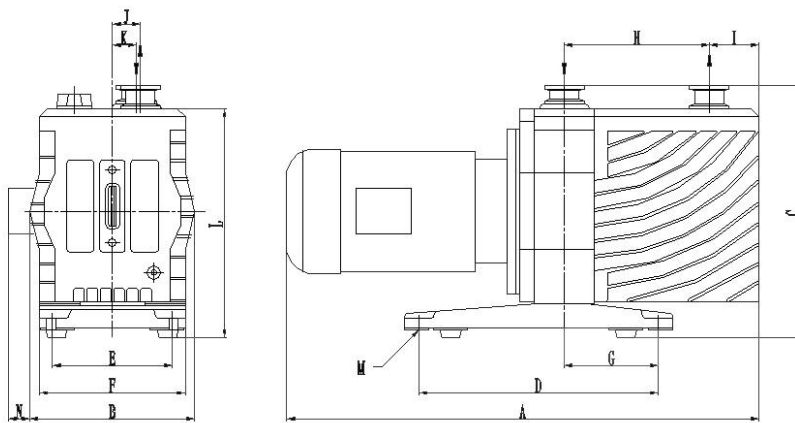
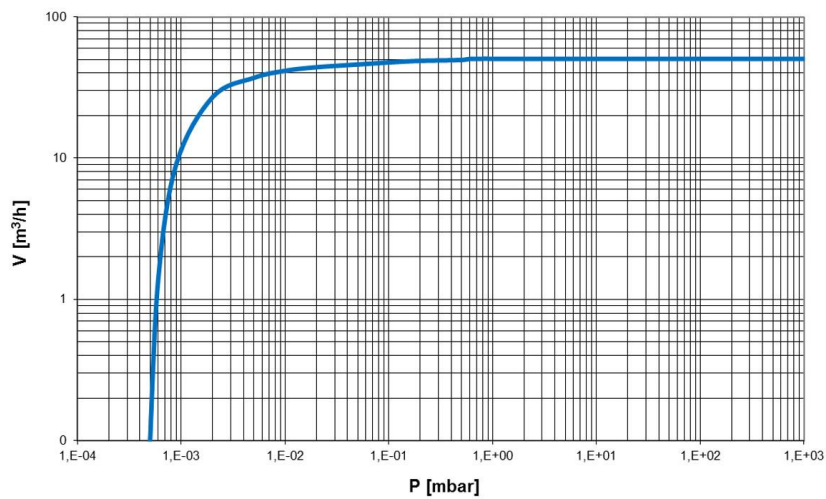
Technical Data		TYPE EVD-36	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	32,5	39,0
Ultimate partial pressure	mbar	10 ⁻⁴	10 ⁻⁴
Ultimate total pressure	mbar	4x10 ⁻³	4x10 ⁻³
Motor power	kW	0,75	0,75
Nominal speed	rpm	1450	1750
Water vapor tolerance	mbar	30	30
Noise level	dB	52	54
Oil capacity	ltr	1,8	1,8
Weight	kg	39	39
Admissible ambient temp.	°C	10 to 40	10 to 40
Connection Inlet	DIN	25 / 40 KF	25 / 40 KF
Outlet	DIN	25 KF	25 KF

Ordering Information	TYPE EVD-36	
	25KF inlet	40KF inlet
Single phase motor 230V, 50/60Hz 110V, 50/60Hz	423901S 423903S	423901 423903
Three phase motor 400V, 50Hz / 460V, 60Hz	423902S	423902
Other Voltages/Frequencies	Upon request	
Filling with special oil	Upon request	
Exhaust oil mist filter EF-25A	420910A	
Replacement cartridge for EF-25A	420916A	
Seal kit	422911	
Overhaul kit	423912	
Inlet dust filter, polyester cartridge	778025	778040
Inlet dust filter, Activated Alumina	778026	778041
EV-Highvacuum Oil-60		
1 ltr can	100400	
5 ltr can	100402	
20 ltr can	100403	

TYPE EVD-48



Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N
EVD-48	680	250	335	485	155	215	290	235	80	28	45	310	Ø14	20

TYPE EVD-48

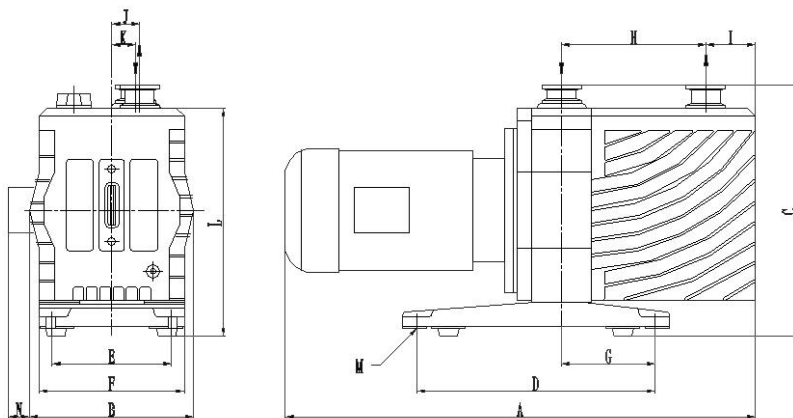
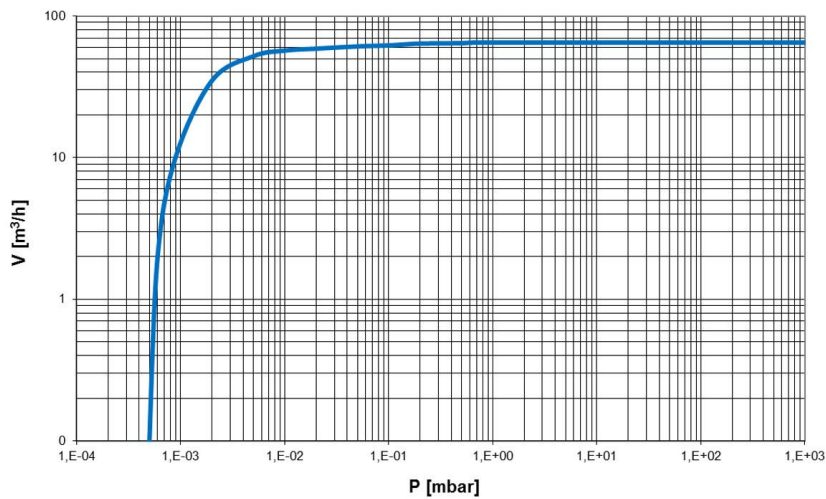
Technical Data		TYPE EVD-48	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	50	60
Ultimate partial pressure	mbar	10 ⁻⁴	10 ⁻⁴
Ultimate total pressure	mbar	4x10 ⁻³	4x10 ⁻³
Motor power	kW	1,5	1,5
Nominal speed	rpm	1450	1750
Water vapor tolerance	mbar	50	50
Noise level	dB	56	58
Oil capacity	ltr	3,8	3,8
Weight	kg	64	64
Admissible ambient temp.	°C	10 to 40	10 to 40
Connection Inlet	DIN	40 KF	40 KF
Outlet	DIN	40 KF	40 KF

Ordering Information	TYPE EVD-48
Single phase motor 230V, 50/60Hz 110V, 50/60Hz	424901 424903
Three phase motor 400V, 50Hz / 460V, 60Hz	424902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-40A	424910A
Replacement cartridge for EF-40A	424916A
Seal kit	424911
Overhaul kit	424912
Inlet dust filter, polyester cartridge	778040
Inlet dust filter, Activated Alumina	778041
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

TYPE EVD-60



Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N
EVD-60	730	280	410	550	185	245	310	245	95	28	45	385	Ø14	0

TYPE EVD-60

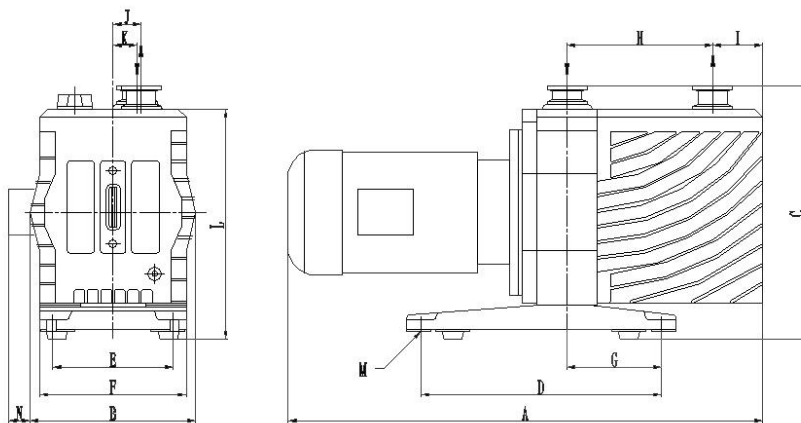
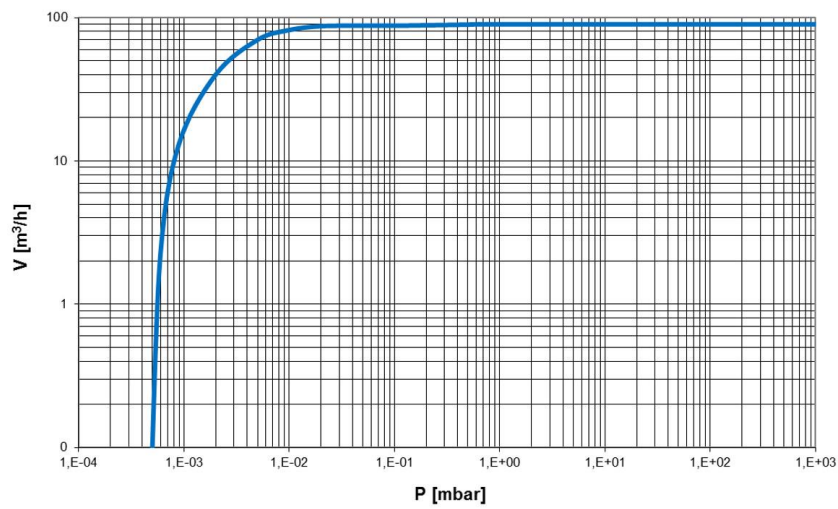
Technical Data		TYPE EVD-60	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	65	78
Ultimate partial pressure	mbar	10 ⁻⁴	10 ⁻⁴
Ultimate total pressure	mbar	4x10 ⁻³	4x10 ⁻³
Motor power	kW	2,2	2,2
Nominal speed	rpm	1450	1750
Water vapor tolerance	mbar	50	50
Noise level	dB	56	58
Oil capacity	ltr	5,5	5,5
Weight	kg	83	83
Admissible ambient temp.	°C	10 to 40	10 to 40
Connection Inlet	DIN	40 KF	40 KF
Outlet	DIN	40 KF	40 KF

Ordering Information	TYPE EVD-60
Three phase motor 400V, 50Hz / 460V, 60Hz	425902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-40A	424910A
Replacement cartridge for EF-40A	424916A
Seal kit	425911
Overhaul kit	425912
Inlet dust filter, polyester cartridge	778040
Inlet dust filter, Activated Alumina	778041
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

TYPE EVD-90



Pumping speed curve



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N
EVD-90	801/780	280	410	600	185	245	360	295	95	28	45	385	Ø14	0

TYPE EVD-90

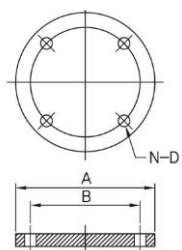
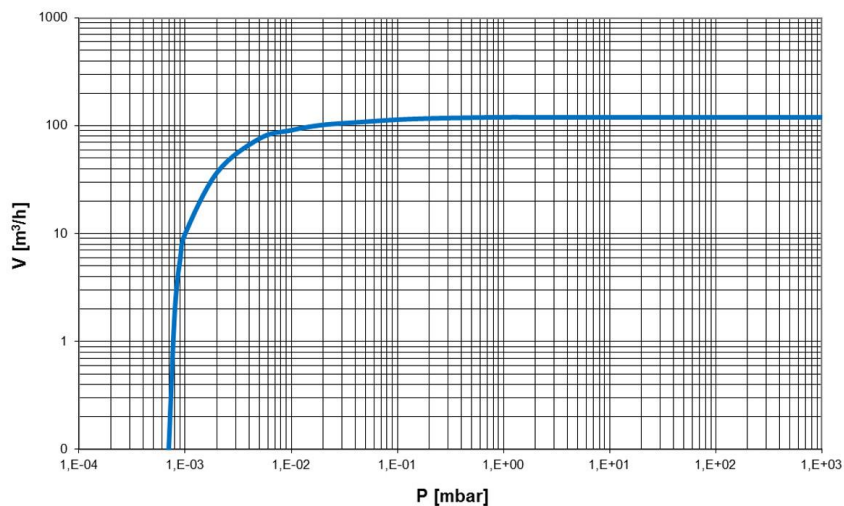
Technical Data		TYPE EVD-90	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	90	105
Ultimate partial pressure	mbar	10 ⁻⁴	10 ⁻⁴
Ultimate total pressure	mbar	4x10 ⁻³	4x10 ⁻³
Motor power	kW	3,0	3,0
Nominal speed	rpm	1450	1750
Water vapor tolerance	mbar	50	50
Noise level	dB	56	58
Oil capacity	ltr	6,5	6,5
Weight	kg	88	88
Admissible ambient temp.	°C	10 to 40	10 to 40
Connection Inlet	DIN	40 KF	40 KF
Outlet	DIN	40 KF	40 KF

Ordering Information	TYPE EVD-90
Three phase motor 400V, 50Hz / 460V, 60Hz	426902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-40A	424910A
Replacement cartridge for EF-40A	424916A
Seal kit	425911
Overhaul kit	426912
Inlet dust filter, polyester cartridge	778040
Inlet dust filter, Activated Alumina	778041
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

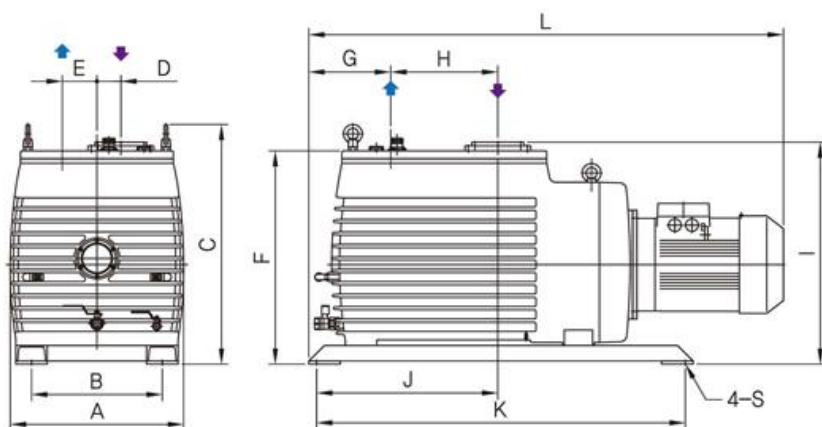
TYPE EVD-120



Pumping speed curve



Standard	A	B	N	D
ISO 40	Ø100	Ø80	4	M8
ISO 63	Ø130	Ø110	4	M8



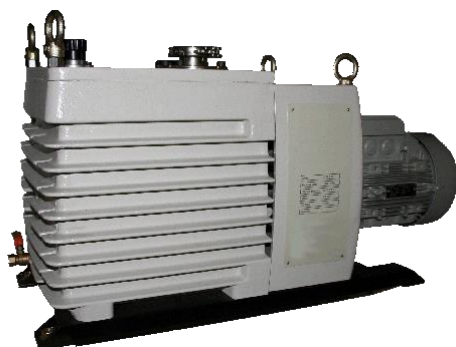
Dimensions	A	B	C	D	E	F	G	H	I	J	K	S	L
EVD-120	320	230	501	40	65	414	193	175	465	348	740	Ø14	974

TYPE EVD-120

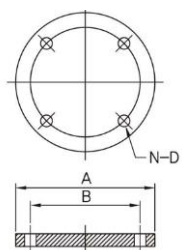
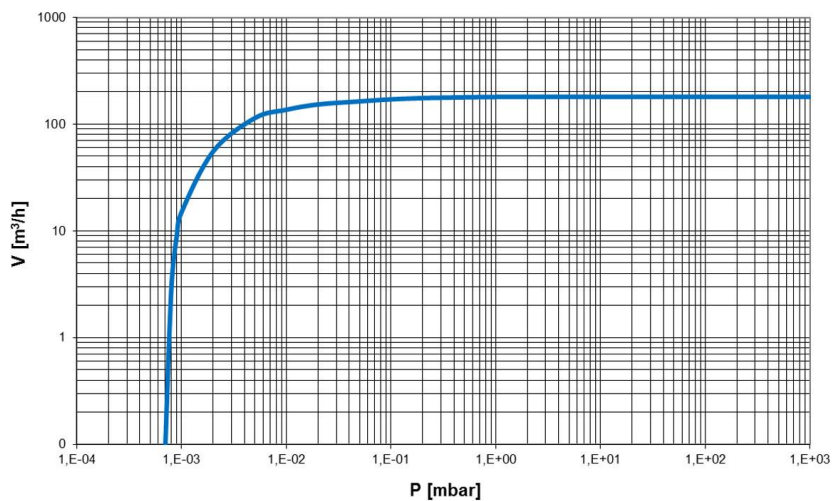
Technical Data		TYPE EVD-120	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	120	144
Ultimate pressure GB closed	mbar	7x10 ⁻⁴	7x10 ⁻⁴
Ultimate pressure GB open	mbar	7x10 ⁻³	7x10 ⁻³
Motor power	kW	3,7	3,7
Nominal speed	rpm	1450	1750
Oil capacity	ltr	11	11
Admissible ambient temp.	°C	10 to 40	10 to 40
Noise level	dB(A)	70	72
Weight	kg	172	172
Connection Inlet	DIN	ISO 63	ISO 63
Outlet	DIN	ISO 40	ISO 40

Ordering Information	TYPE EVD-120
Three phase motor 400V, 50Hz / 460V, 60Hz	432902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-50	434910
Replacement cartridge for EF-50	434916
Adapter flange for filter EF-50	434917
Oil mist filter, clear bowl EF-50CL	434910CL
Replacement cartridge for EF-50CL	434916CL
Seal kit	432911
Overhaul kit	432912
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

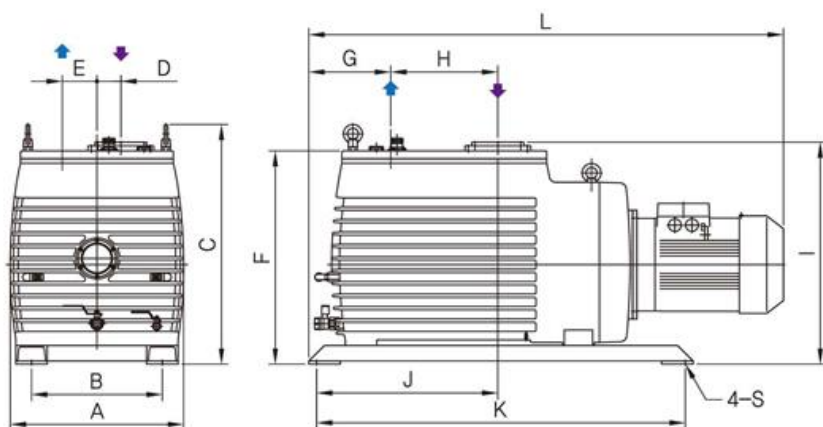
TYPE EVD-180



Pumping speed curve



Standard	A	B	N	D
ISO 40	Ø100	Ø80	4	M8
ISO 63	Ø130	Ø110	4	M8



Dimensions	A	B	C	D	E	F	G	H	I	J	K	S	L
EVD-180	400	305	575	58	75	490	195	200	528	375	805	Ø18	1101

TYPE EVD-180

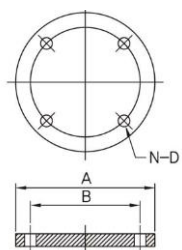
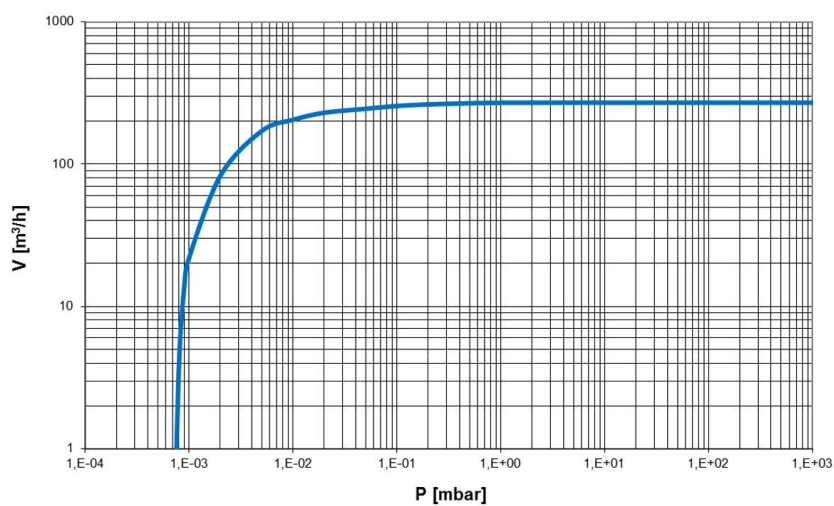
Technical Data		TYPE EVD-180	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	180	216
Ultimate pressure GB closed	mbar	7x10 ⁻⁴	7x10 ⁻⁴
Ultimate pressure GB open	mbar	7x10 ⁻³	7x10 ⁻³
Motor power	kW	5,5	5,5
Nominal speed	rpm	1450	1750
Oil capacity	ltr	16	16
Admissible ambient temp.	°C	10 to 40	10 to 40
Noise level	dB(A)	72	74
Weight	kg	290	290
Connection Inlet	DIN	ISO 63	ISO 63
Outlet	DIN	ISO 40	ISO 40

Ordering Information	TYPE EVD-180
Three phase motor 400V, 50Hz / 460V, 60Hz	433902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-50	434910
Replacement cartridge for EF-50	434916
Adapter flange for filter EF-50	434917
Oil mist filter, clear bowl EF-50CL	434910CL
Replacement cartridge for EF-50CL	434916CL
Seal kit	433911
Overhaul kit	433912
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

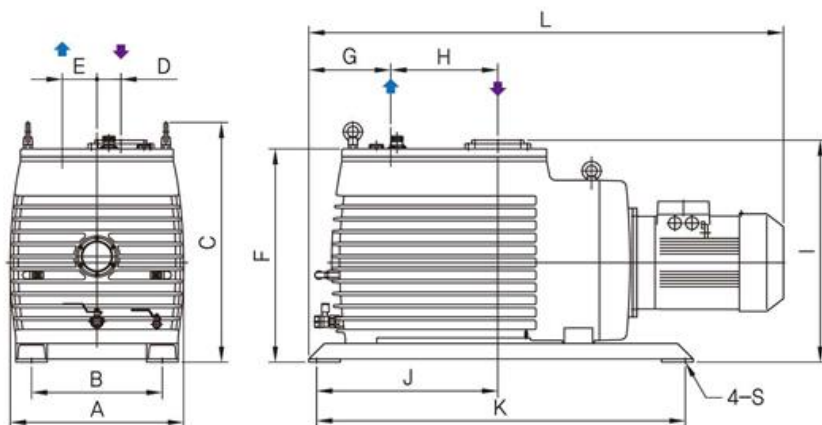
TYPE EVD-270



Pumping speed curve



Standard	A	B	N	D
ISO 40	Ø100	Ø80	4	M8
ISO 63	Ø130	Ø110	4	M8



Dimensions	A	B	C	D	E	F	G	H	I	J	K	S	L
EVD-270	400	305	645	58	75	560	203	250	598	433	895	Ø18	1179

TYPE EVD-270

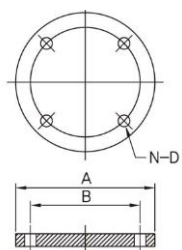
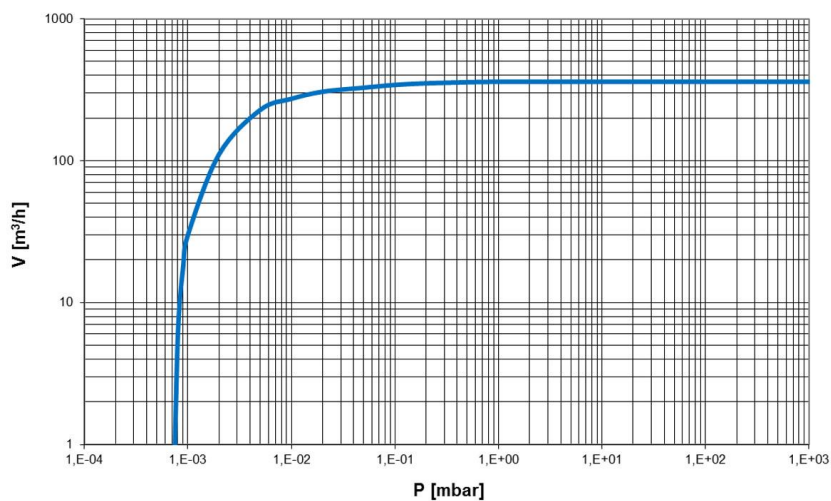
Technical Data		TYPE EVD-270	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	270	324
Ultimate pressure GB closed	mbar	7x10 ⁻⁴	7x10 ⁻⁴
Ultimate pressure GB open	mbar	7x10 ⁻³	7x10 ⁻³
Motor power	kW	7,5	7,5
Nominal speed	rpm	1450	1750
Oil capacity	ltr	17	17
Admissible ambient temp.	°C	10 to 40	10 to 40
Noise level	dB(A)	74	76
Weight	kg	358	358
Connection Inlet	DIN	ISO 63	ISO 63
Outlet	DIN	ISO 40	ISO 40

Ordering Information	TYPE EVD-270
Three phase motor 400V, 50Hz / 460V, 60Hz	434902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-50	434910
Replacement cartridge for EF-50	434916
Adapter flange for filter EF-50	434917
Oil mist filter, clear bowl EF-50CL	434910CL
Replacement cartridge for EF-50CL	434916CL
Seal kit	434911
Overhaul kit	434912
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

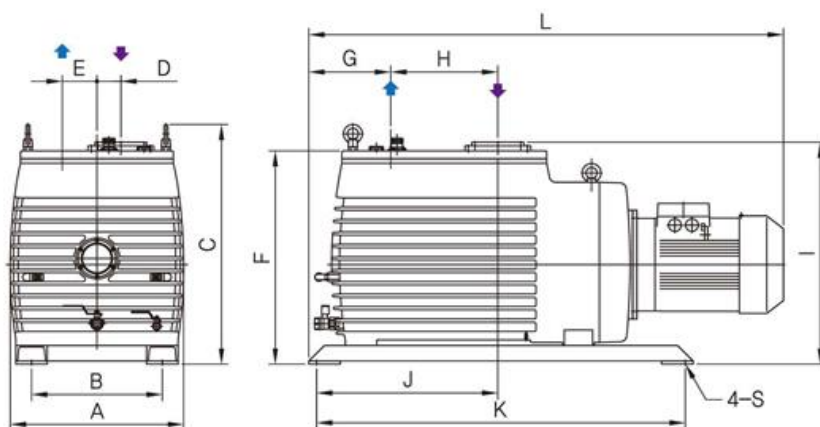
TYPE EVD-360



Pumping speed curve



Standard	A	B	N	D
ISO 100	Ø165	Ø145	8	M8
ISO 100	Ø165	Ø145	8	M8



Dimensions	A	B	C	D	E	F	G	H	I	J	K	S	L
EVD-360	550	415	771	76	110	686	258	225	714	458	1040	Ø18	1377

TYPE EVD-360

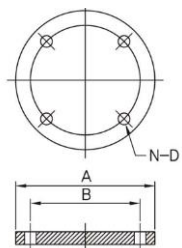
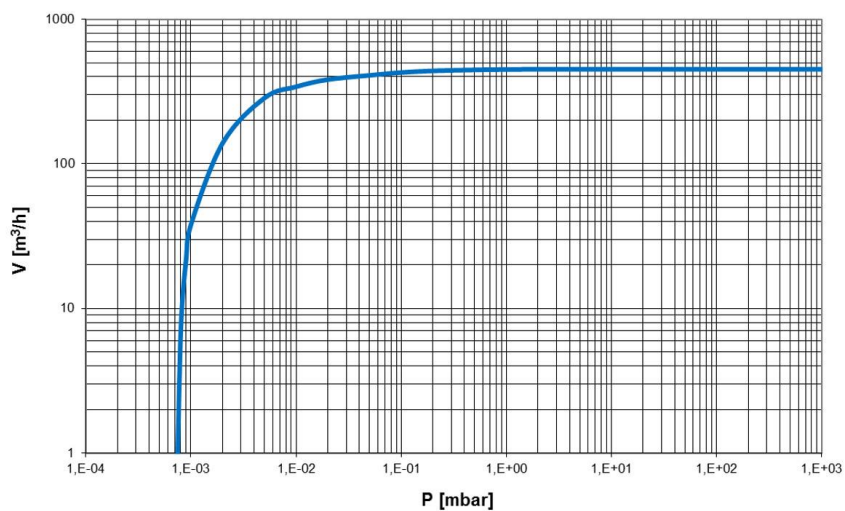
Technical Data		TYPE EVD-360	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	360	432
Ultimate pressure GB closed	mbar	7x10 ⁻⁴	7x10 ⁻⁴
Ultimate pressure GB open	mbar	7x10 ⁻³	7x10 ⁻³
Motor power	kW	11	11
Nominal speed	rpm	1450	1750
Oil capacity	ltr	28	28
Admissible ambient temp.	°C	10 to 40	10 to 40
Noise level	dB(A)	78	80
Weight	kg	584	584
Connection Inlet	DIN	ISO 100	ISO 100
Outlet	DIN	ISO 100	ISO 100

Ordering Information	TYPE EVD-360
Three phase motor 400V, 50Hz / 460V, 60Hz	435902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-100	436910
Replacement cartridge for EF-100	436916
Adapter flange for filter EF-100	436917
Seal kit	435911
Overhaul kit	433912
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

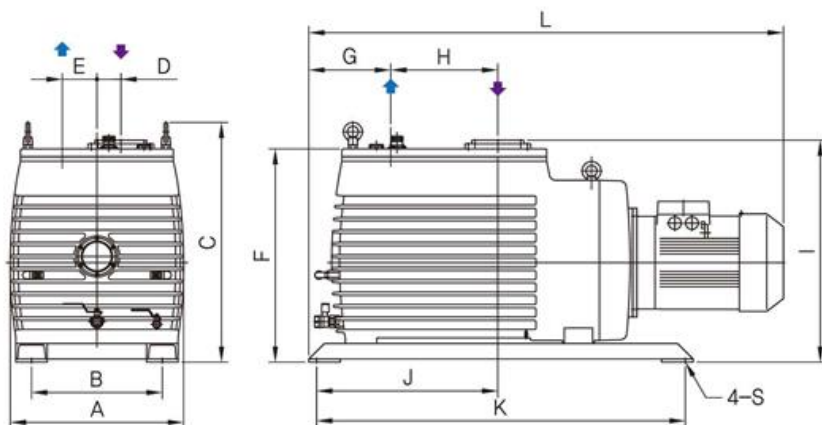
TYPE EVD-450



Pumping speed curve



Standard	A	B	N	D
ISO 100	Ø165	Ø145	8	M8
ISO 100	Ø165	Ø145	8	M8



Dimensions	A	B	C	D	E	F	G	H	I	J	K	S	L
EVD-450	550	415	771	76	110	686	260	340	714	575	1170	Ø18	1507

TYPE EVD-450

Technical Data		TYPE EVD-450	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	450	540
Ultimate pressure GB closed	mbar	7x10 ⁻⁴	7x10 ⁻⁴
Ultimate pressure GB open	mbar	7x10 ⁻³	7x10 ⁻³
Motor power	kW	15	15
Nominal speed	rpm	1450	1750
Oil capacity	ltr	35	35
Admissible ambient temp.	°C	10 to 40	10 to 40
Noise level	dB(A)	78	80
Weight	kg	668	668
Connection Inlet	DIN	ISO 100	ISO 100
Outlet	DIN	ISO 100	ISO 100

Ordering Information	TYPE EVD-450
Three phase motor 400V, 50Hz / 460V, 60Hz	436902
Other Voltages/Frequencies	Upon request
Filling with special oil	Upon request
Exhaust oil mist filter EF-100	436910
Replacement cartridge for EF-100	436916
Adapter flange for filter EF-100	436917
Seal kit	436911
Overhaul kit	436912
EV-Highvacuum Oil-60	
1 ltr can	100400
5 ltr can	100402
20 ltr can	100403

ACCESSORIES EVD- SERIES

Exhaust oil mist filter



Technical Data		EF-25A
Vacuum connections		DN25KF
For pumps	EVD-	6, 12, 24 & 36
Filter efficiency		98%
Housing		Metal
Seals		FPM

Ordering Information	EF-25A
Oil mist filter EF-25A	420910A
Parts to connect the filter unit	
Centering DN 25 KF, mat. SS/FPM	21068C
Clamp DN 25 KF, mat. Al	21002C
Spare parts for filter unit	
Sealing Set	420915
Filter cartridge	420916

Technical Data		EF-40A
Vacuum connections		DN40KF
For pumps	EVD-	48, 60 & 90
Filter efficiency		98%
Housing		Metal
Seals		FPM

Ordering Information	EF-40A
Oil mist filter EF-40A	424910A
Parts to connect the filter unit	
Centering DN 40 KF, mat. SS/FPM	21070C
Clamp DN 40 KF, mat. Al	21003C
Spare parts for filter unit	
Sealing Set	424915
Filter cartridge	424916

ACCESSORIES EVD-SERIES

Exhaust oil mist filter



Technical Data		EF-50
Vacuum connections		ISO 40
For pumps	EVD-	120, 180 & 270
Filter efficiency		98%
Housing		Metal
Seals		FPM

Ordering Information	EF-50
Oil mist filter EF-50	424910
Sealing Set	424915
Filter cartridge	424916

Technical Data		EF-100
Vacuum connections		ISO 100
For pumps	EVD-	360 & 450
Filter efficiency		98%
Housing		Metal
Seals		FPM

Ordering Information	EF-100
Oil mist filter EF-100	426910
Sealing Set	426915
Filter cartridge	426916

ACCESSORIES EVD-SERIES

Exhaust oil mist filter



Technical Data		EF-50CL
Vacuum connections		G 2"
For pumps	EVD-	120, 180 & 270
Filter efficiency		98%
Housing material		Carbon steel
Bowl material		Polycarbonate
Seal material		FPM

Ordering Information		EF-50CL
Oil mist filter EF-50CL		424910CL
Sealing Set		424915CL
Filter cartridge		424916CL

