

# Vacuum pump

## Vacuum pump AE-SR

Suction capacity: 4.1 m<sup>3</sup>/h to 244m<sup>3</sup>/h

Vacuum pump AE-SR



### Introduction and application

- ◆ Vacuum pump for a wide variety of applications in automatic and manual handling
- ◆ Handling of airtight workpieces
- ◆ Rapid evacuation of vacuum systems

### Design

- ◆ Vacuum pump in a dry-running design
- ◆ High quality and efficient carbon rotary vane pump
- ◆ Sliding vane compressor principle of the rotary vane pumps
- ◆ Permanently lubricated bearings and high performance fan

### Advantage

- ◆ Rugged and durable, virtually maintenance free
- ◆ Low power consumption, economical connection work
- ◆ Vibration free operation and continuous low pulsation conveyance
- ◆ Outstanding heat removal

### Ordering Data Vacuum pump AE-SR

Type	Ordering Data	Type	Ordering Data
AE-SR-4-AC	90.05.01.00243	AE-SR-25-AC3	90.05.01.00251
AE-SR-4-AC3	90.05.01.00244	AE-SR-40-AC3	90.05.01.00252
AE-SR-8-AC	90.05.01.00245	AE-SR-60-AC3	90.05.01.00253
AE-SR-8-AC3	90.05.01.00246	AE-SR-80-AC3	90.05.01.00254
AE-SR-10-AC	90.05.01.00247	AE-SR-100-AC3	90.05.01.00255
AE-SR-10-AC3	90.05.01.00248	AE-SR-140-AC3	90.05.01.00256
AE-SR-16-AC	90.05.01.00249	AE-SR-250-AC3	90.05.01.00257
AE-SR-16-AC3	90.05.01.00250		

### Technical Data Vacuum pump AE-SR

Type	Max. vacuum [mbar]	Max.Suction rate [m <sup>3</sup> /h]		Protection level	Weight [kg]	Sound level [dB(A)] (50 Hz)
		(50 Hz)	(60 Hz)			
AE-SR-4-AC...	-850	4.1	4.7	IP 54	7	59
AE-SR-8-AC...	-850	7.6	8.7	IP 54	12	58
AE-SR-10-AC...	-850	10	12	IP 54	16	60
AE-SR-16-AC...	-850	16	19	IP 54	23	61
AE-SR-25-AC3	-850	25	30	IP 55	26	62
AE-SR-40-AC3	-850	40	48	IP 55	39	67
AE-SR-60-AC3	-850	58	69	IP 55	71	72
AE-SR-80-AC3	-920	67	80	IP 54	78	72
AE-SR-100-AC3	-920	98	112	IP 54	100	75
AE-SR-140-AC3	-920	129	154	IP 54	111	76
AE-SR-250-AC3	-800	244	286	IP 55	222	77

# Vacuum pump

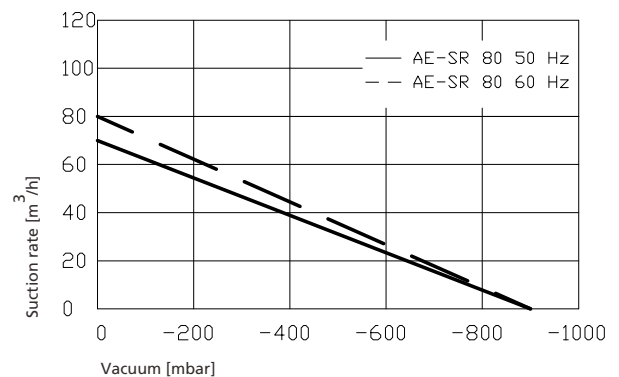
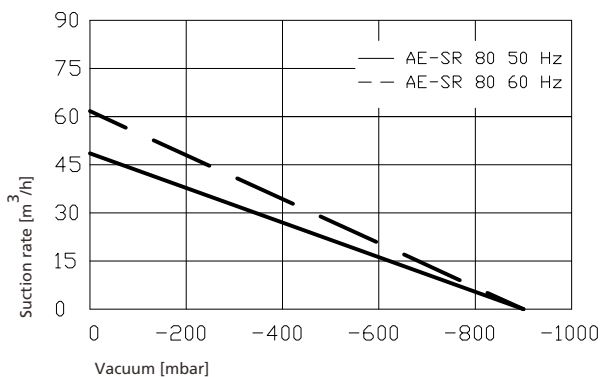
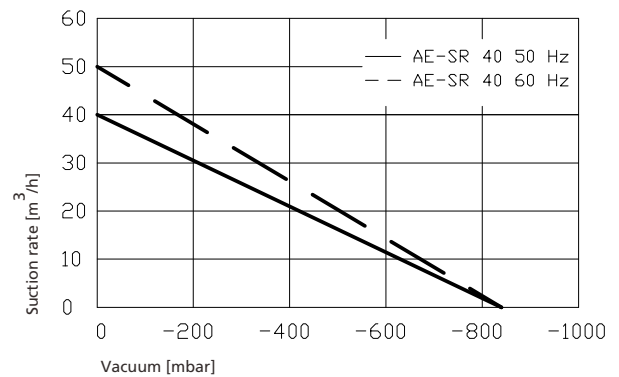
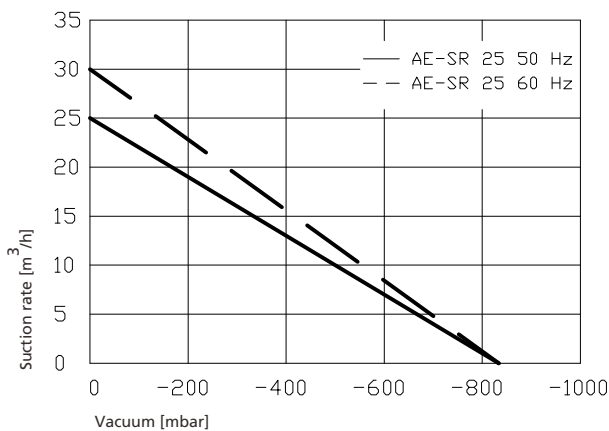
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### Technical Data Vacuum pump AE-SR

Type	power supply	Voltage [V]		Current range [A]		Rated power [KW]	
		(50 Hz)	(60 Hz)	(50 Hz)	(60 Hz)	(50 Hz)	(60 Hz)
AE-SR-4-AC	Single phase	230 ± 10%	230 ± 10%	1.65	1.65	0.18	0.22
AE-SR-4-AC3	Three-phase	175-260/300-450	200-300/350-520	1.08/0.62	1.08/0.62	0.18	0.22
AE-SR-8-AC	Single phase	230 ± 10%	230 ± 10%	3.90	3.40	0.35	0.42
AE-SR-8-AC3	Three-phase	170-260/300-450	200-300/350-520	2.35/1.36	2.4/1.4	0.35	0.42
AE-SR-10-AC	Single phase	230 ± 10%	230 ± 10%	3.00	3.40	0.37	0.45
AE-SR-10-AC3	Three-phase	175-260/300-450	200-300/350-520	2.3/1.33	2.35/1.36	0.37	0.45
AE-SR-16-AC	Single phase	230 ± 10%	230 ± 10%	4.60	5.20	0.55	0.70
AE-SR-16-AC3	Three-phase	175-260/300-450	200-300/350-520	3.8/2.2	3.9/2.25	0.55	0.7
AE-SR-25-AC3	Three-phase	190-255/330-440	190-290/330-500	4.2-3.5/2.4-2.0	4.0-3.6/2.3-2.1	0.75	0.9
AE-SR-40-AC3	Three-phase	190-255/330-440	190-290/330-500	6.9/4.0	6.9/4.0	1.25	1.5
AE-SR-60-AC3	Three-phase	230/400	230-265/400-460	9.30/5.36	9.8-11.4/5.7-6.6	2.4	3.0
AE-SR-80-AC3	Three-phase	230/400	230-265/400-460	9.30/5.36	9.8-11.4/5.7-6.6	2.4	3.0
AE-SR-100-AC3	Three-phase	230/400	230-265/400-460	11.1/6.44	10.9-11.8/6.3-6.8	3.0	3.6
AE-SR-140-AC3	Three-phase	230/400	230-265/400-460	15.1/18.7	14.7-17.0/8.4-9.8	4.0	4.8
AE-SR-250-AC3	Three-phase	230/400	265/400-460	22.2/12.8	21.8/12.6-13.5	5.5	6.6

### Performance Data Vacuum pump AE-SR



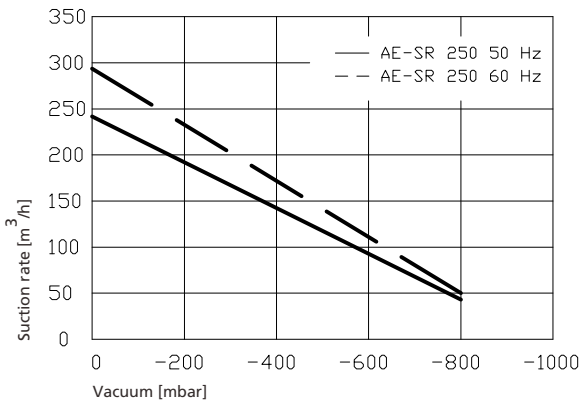
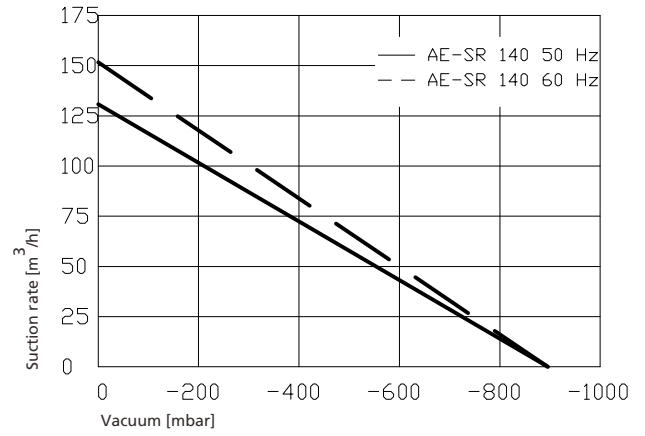
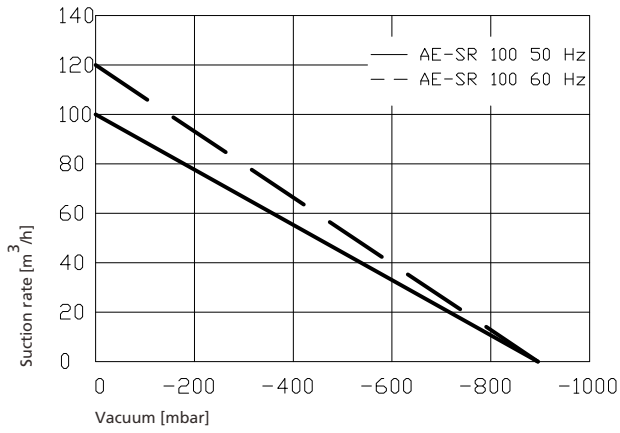
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Suction capacity: 4.1 m<sup>3</sup>/h to 244m<sup>3</sup>/h

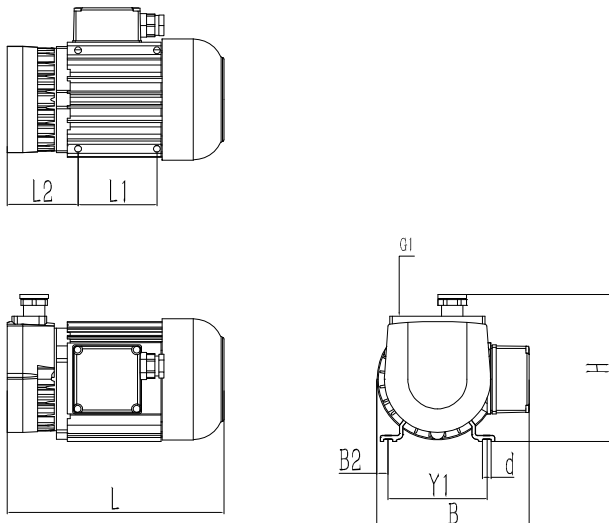


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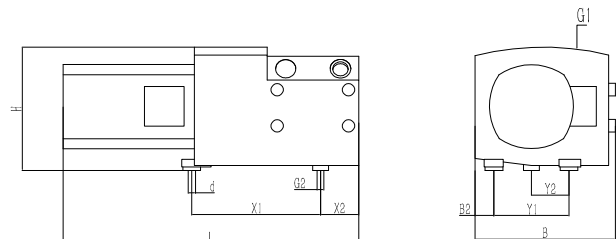


### Design Data Vacuum pump AE-SR

AE-SR-4 to 8



AE-SR-10 to 40



Combined Suction Cups

Vacuum Suction Cups

Composite Suction Cups

Special Grippers

Vacuum Gripping Systems

Mounting Elements

Vacuum Generators

Valve Technology

Switch And Monitoring

Vacuum Filters

# Vacuum pump

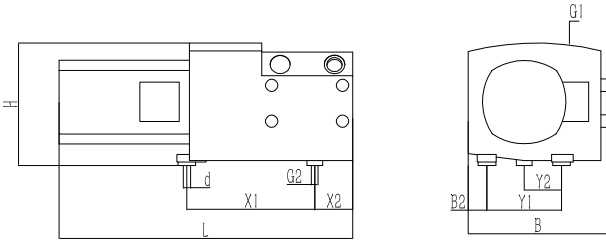
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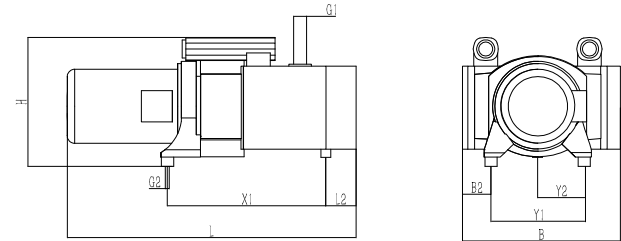


### Design Data Vacuum pump AE-SR

AE-SR-60 to 140



AE-SR-250...



Type	Dimensions[mm]										
	B	B2	d	G1	G2	H	L	L2	X1	Y1	Y2
AE-SR-4-...	155	-	7	G1/4-F	-	148	222	-	80	100	-
AE-SR-8-...	155	11.5	7	G3/8-F	-	172	251	80	80	100	-
AE-SR-10-...	206	60	7	G1/2-F	-	195	429	108	160	112	-
AE-SR-16-...	231	60	7	G1/2-F	-	211	452	73	202	125	-
AE-SR-25-...	260	40	7	G3/4-F	-	290	505	96	220	190	-
AE-SR-40-...	280	51	7	G3/4-F	-	290	572	131	220	190	-
AE-SR-60-...	353	48	12	G1-F	M8-F	328	709	96	326	190	95
AE-SR-80-...	353	48	12	G1-F	M8-F	328	709	96	326	190	95
AE-SR-100-...	470	110	12	G1-1/2-F	M8-F	336	835	140	398	245	123
AE-SR-140-...	470	110	12	G1-1/2-F	M8-F	336	873	140	398	245	123
AE-SR-250-...	644	126	-	G1-1/2-F	M10-F	527	1192	124	645	360	180

Combined Suction Cups

Vacuum Suction Cups

Composite Suction Cups

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