

ROBUST LUBRICATED VACUUM PUMPS

SAV 249.72-LEV

Use :

Vacuum pumps are used to keep parts under vacuum during various operations, including machining, packaging, etc. Its robust design allows it to be used 24 hours a day in industrial applications. The pump has an oil return system, with float valve from the discharge filter housing to the inlet flange, to ensure that the pump can operate optimally in all vacuum levels. Due to its reliability, the pump is often used in applications such as:

- Vacuum packaging
- Plastic industry
- Wood industry
- Food technology
- Pneumatic transport



Principle of operation:

The lubricated vacuum pump works according to the rotating vane principle. The rotor is positioned eccentrically within the pump cylinder and has machined slots for the sliding vanes. The centrifugal force of rotation pushes the vanes out of these slots toward the cylinder wall. Gas enters the vacuum pump inlet then passes through a built-in anti-suction valve, which prevents the pump from rotating backwards and into the cylinder. The gas is compressed and pushed through the exhaust. Oil is supplied steadily to the cylinder from the oil pan to provide sealing and lubrication.

Features :

The LEV series pumps are single-stage, air-cooled, direct-drive (no belts) oil recirculating pumps. They are compact, reliable and easy to maintain and use. With the integrated exhaust filtration unit, the exhaust air is 99.9% oil-free. Good tolerance to water vapor.

Options:

- Filter, vacuum gauge, hose, fitting, valve and distributor
- Vacuum tank with manual/automatic liquid separator
- Security system and mounting base

Type	Flow in m³/h	mbar absolute	Motor in Kw	Oil in ltr	Sound level dB(A)	Voltage in V	Connection for vacuum	Dimensions in mm			Weight in kg
								Length	Width	Height	
LEV08	8	2	0,35	0,25	59	1x230/3x400	3/8"	334	160	156	9,5
LEV10	10	2	0,4	0,5	57	1x230/3x400	1/2"	385	300	200	20
LEV16	16	2	0,75	0,5	58	1x230/3x400	1/2"	415	300	200	22
LEV21	20	2	0,9	0,5	60	1x230/3x400	1/2"	385	300	200	20
LEV30	30	0,5	1,1	1	64	1x230/3x400	1-1/4"	590	290	280	47
LEV40	40	0,5	1,1	1	64	1x230/3x400	1-1/4"	630	290	280	52
LEV63	63	<0,5	1,5	2	64	1x230/3x400	1-1/4"	650	410	313	64
LEV100	100	<0,5	2,2	2	65	3x400	1-1/4"	700	410	313	75
LEV160	160	<0,5	4	7	72	3x400	2"	895	535	413	124
LEV175	175	<0,5	5,5	7	74	3x400	2"	1012	521	422	164
LEV215	215	<0,5	5,5	7	74	3x400	2"	895	535	413	145
LEV250	250	<0,5	5,5/7,5	7	74	3x400	2"	1000	555	410	184
LEV300	300	<0,5	7,5	7	75	3x400	2"	1000	555	410	188
LEV450	448	<0,1	11	19	76	3x400	3"	1485	860	600	491
LEV500	500	<0,1	11	19	77	3x400	3"	1511	860	600	524
LEV630	630	<0,1	15	19	77	3x400	3"	1650	860	600	582
LEV750	750	<0,1	18,5	19	81	3x400	3"	1650	860	600	600
LEV1000	1000	<0,5	25	42	82	3x400	4"	1905	1158	934	980

Example of order:

Vacuum pump
Designation

SAV 249.72 – LEV30 - 400
SAV N° - Type - Voltage