



# Company

For 60 years PVR has been a leader providing high quality and reliable vacuum pumps. PVR means primarily trusted and advanced technologies, but also sustainable development for the stakeholders, environmental protection and focus on energy saving. The experience acquired during these years of activities, allows PVR to offer products and services that are always reliable and innovative.



## Machining Division

With a view to verticalization of its processes and increased capacity to provide more services to customers, PVR has had a specialized Machining Division for brass, steel, cast iron, stainless steel, and aluminum components since 2023.

Professionalism, experience, and quality characterise PVR Machining Division in the machining of numerous parts for vacuum pumps and components in the industrial, automotive, petrochemical, hydraulic, and electrical sectors.



## Service

PVR guarantees a qualified advice for every inquiry thanks to its skilled technical/sales office that supports every project. The Service Department assists and advises our customers with scheduled maintenance, qualified overhauls and spare parts ready for delivery.



**PVR** Srl

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Provide trusted & advanced technologies



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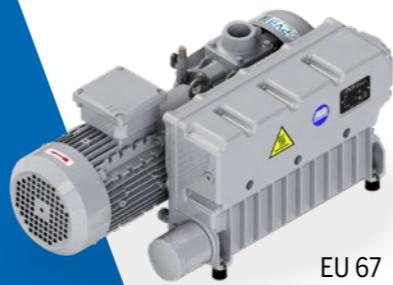


# PVL/EU Series

## Single stage rotary vane pumps

PVL/EU vacuum pumps offer high performance and quality levels.

Their main features are high pumping speed in a range of absolute vacuum between 0,5 mbar and 850 mbar considering the wide range of PVL/EU Series. Low noise level, no pollution, air-cooled, rugged construction, easy to service. They are used for pumping air also in presence of water vapour and for continuous industrial use.



EU 67



PVL 541



EU 650

## Applications

Packaging machines  
Vacuum chambers  
Thermoforming machines  
De-aeration tunnels  
Bottle fillings  
Freezing chambers  
Evisceration systems  
Meat extruders

Dryers  
Oil decontamination  
Chemical processes  
Degassing materials  
Varnish mixers  
Drying medicinal products  
Pneumatic conveying plants  
Solvent recovery systems

Distillation systems  
Drying transformer systems  
Motor/transformer impregnation process  
Granule conveying systems  
Plastic extruders  
Pick & place systems  
Solar panels  
Hospital central vacuum

Autoclaves  
Leak detectors  
Laboratories  
Ozone generators

Thermoforming packaging machines  
Blister packaging machines  
CNC routers  
Metallizing  
Heat treatments  
Glass, ceramic and pottery industry  
LCD panels

Wood drying  
Central vacuum systems  
Lamps and bulbs  
Marble and agglomerates  
Water and soil remediation

		PVL 15	PVL 35	PVL 401	PVL 541
<b>Nominal pumping speed</b>	50 Hz	17	35	417	553
	60 Hz	20	42	500	663
<b>Ultimate pressure (abs.)</b>	PVL - EU	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5
	PVL B - EU B	≤ 20	≤ 20	≤ 10	≤ 10
<b>Water vapour tolerance</b>	50 Hz	30	30	30	30
	60 Hz	0,25	0,5	8	10
<b>Water vapour pumping capacity</b>	50 Hz	0,34	0,68	11	13
	60 Hz	0,25	0,5	7,5	11
<b>Noise level</b>	50 Hz	66	68	78	79
	60 Hz	67	69	79	80
<b>Motor power</b>	50 Hz ~ 3	0,55	0,75	7,5	11
	60 Hz ~ 3	0,75	1,1	11	15
<b>Motor speed</b>	50 Hz	1500	1500	1500	1500
	60 Hz	1800	1800	1800	1800
<b>Dimensions</b>	L x B x H	380x260x222	460x296x271	1343x602x543	1490x602x543
	mm	415x260x222	488x296x271	1418x602x543	1545x602x543
<b>Total weight</b>	kg	23	38	319	356
	kg	26	40	363	361



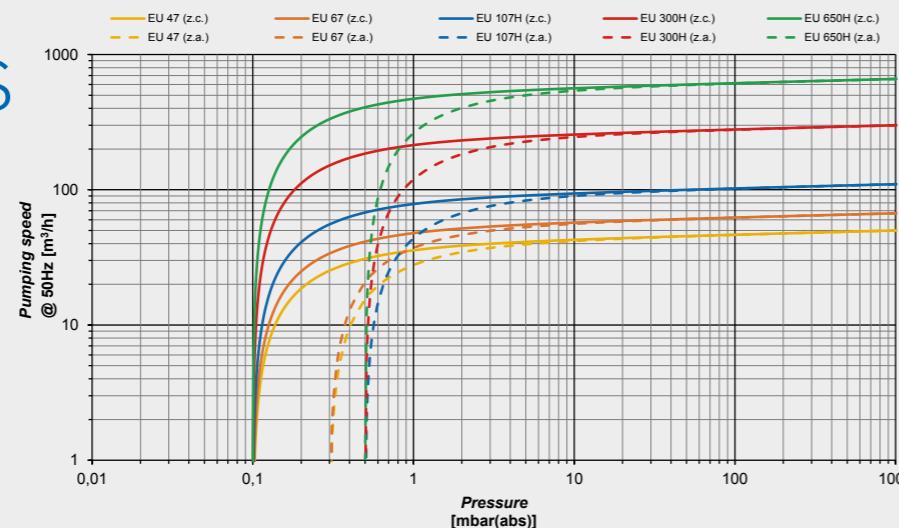
EU 47	EU 67	EU 105	EU 160	EU 205	EU 300	EU 650	EU 1000
50	67	105	152	205	300	660	1033
56	80	126	182	245	360	790	1239
≤ 0,1	≤ 0,1	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5
≤ 0,3*	≤ 0,3*	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
30	30	30	30	30	30	30	30
1	1,5	2,2	3	3,6	5	15	20
1,2	1,8	3	4	5	7	22,5	27
61	62	67	71	70	71	73	80
62	63	69	72	72	73	76	81
1,1	1,5	2,2	3	4	5,5	15	22
1,5	1,8	3	4	5,5	7,5	18,5	30
1500	1500	1500	1500	1500	1500	1000	1000
1800	1800	1800	1800	1800	1800	1200	1200
566x316x276	606x317x276	735x405x334	805x436x348	895x551x436	979x551x436	1436x823x653	1710x941x659
566x316x276	629x317x276	735x405x334	814x436x348	944x551x436	1019x551x436	1481x823x653	1785x941x659
44	51	82	104	161	188	582	862
45	53	86	110	171	192	612	922

\* Gas ballast open

# EU H Series

## High vacuum oil lubricated vane vacuum pumps

The oil lubricated vacuum pumps of the EU H series allow to achieve higher capacity and higher vacuum levels. At 1 mbar the pumping speed of the series H with gas ballast valve closed is 80% higher than the one of an equivalent EU standard version.



		EU 107 H	EU 300 H	EU 650 H
<b>Nominal pumping speed</b>	m³/h	50 Hz	110	300
		60 Hz	130	360
<b>Ultimate pressure (abs.)</b>	mbar	1*	≤ 0,1	≤ 0,1
		2*	≤ 0,5	≤ 0,5
<b>Water vapour tolerance</b>	mbar	50 Hz	30	30
		60 Hz	2,2	5
<b>Water vapour pumping capacity</b>	kg/h	50 Hz	2,2	15
		60 Hz	3	7
<b>Noise level</b>	dB(A)	50 Hz	66	73
		60 Hz	68	76
<b>Motor power</b>	kW	50 Hz ~ 3	2,2	5,5
		60 Hz ~ 3	3	7,5
<b>Motor speed</b>	rpm	50 Hz	1500	1000
		60 Hz	1800	1200
<b>Dimensions</b>	L x B x H	50 Hz	718x406x327	979x551x436
	mm	60 Hz	750x406x327	1451x823x653
<b>Total weight</b>	kg	50 Hz ~ 3	85	582
		60 Hz ~ 3	89	612

Also available in  
VFD version  
Variable  
Frequency Drive

1\* Gas ballast closed (g.c.)

2\* Gas ballast open (g.o.)

