

# COMPLETE PRODUCT RANGE

Vacuum Pumps and Systems, Compressors  
and Pressure/Vacuum Pumps

**MAKE IT BECKER.**



Официальный представитель в России и СНГ компания ООО "СибВест"

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## PS

### ROOTS BOOSTER PACKAGES (PUMPING STATIONS)

- Consisting of an oil-lubricated rotary vane vacuum pump and a booster pump (roots) with integrated bypass as a backup for packaging processes with quick cycling times for high operational reliability and availability



PS 200/500



	Nominal air flow refers to intake pressure <sup>1)</sup>				Vacuum	
	m <sup>3</sup> /h		mbar absolute			
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
<b>PS 200/500</b>	500	600	< 0.1	< 0.1	< 0.1	< 0.1
<b>PS 300/500</b>	500	600	< 0.1	< 0.1	< 0.1	< 0.1
<b>PS 300/1000</b>	1000	1200	< 0.1	< 0.1	< 0.1	< 0.1
<b>PS 630/2000</b>	2000	2400	< 0.1	< 0.1	< 0.1	< 0.1

Technical data												
	RBP	kW 3~		U 5.	kW 3~		kg Σ	Length	mm			Connection
		50 Hz	60 Hz		50 Hz	60 Hz			Width	Height		
<b>PS 200/500</b>	RBP 500	2.2	2.6	U 5.200	4.0	4.8	≈330	958	704	1090	DN100	
<b>PS 300/500</b>	RBP 500	2.2	2.6	U 5.300	5.5	6.6	≈380	1022	704	1090	DN100	
<b>PS 300/1000</b>	RBP 1000	4.0	4.8	U 5.300	5.5	6.6	≈480	1134	704	1122	DN100	
<b>PS 630/2000</b>	RBP 2000	5.5	6.6	U 4.630	15.0	18.5	≈1100	1539	875	1497	DN150	

<sup>1)</sup> Reference (atmosphere): 1000 mbar, 20°C / tolerance: ±5%

**D1 • D2 • D3 • L1 • L2 • L3**

**VACUUM SYSTEMS**

- 1, 2 or 3 rotary vane vacuum pumps
- Dry-running (D) or oil-lubricated (L)
- D1, D2, L1 and L2 with electrical cabinet 33D
- D3 and L3 with electric cabinet VARIAIR Controller+ (VC+)
- Vacuum vessel, condensate drain and suction filter



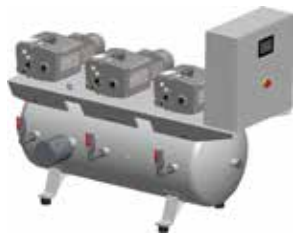
D2-250/1000-33D



Systems with dry-running rotary vane vacuum pumps							Technical data per pump 50/60 Hz		
	Pumps	Vessel [l]	Filter	Length [mm]	Width [mm]	Height [mm]	m <sup>3</sup> /h	mbar abs.	kW
<b>One pump on vacuum vessel</b>									
<b>D1-016/0090-33D</b>	1x VT 4.16	90	F 35	1149	681	1049	16/19	150/150	0.55/0.70
<b>D1-016X/0090-33D</b>	1x VX 4.16	90	F 35	1149	681	1049	16/19	100/100	0.55/0.70
<b>D1-025/0090-33D</b>	1x VT 4.25	90	F 35	1149	673	1049	25/40	150/150	0.75/0.90
<b>D1-025X/0090-33D</b>	1x VX 4.25	90	F 35	1149	673	1049	25/40	100/100	0.75/0.90
<b>D1-040/0090-33D</b>	1x VT 4.40	90	F 35	1149	673	1049	40/48	150/150	1.25/1.50
<b>D1-040X/0090-33D</b>	1x VX 4.40	90	F 35	1149	673	1049	40/48	100/100	1.25/1.50
<b>D1-060/0250-33D</b>	1x KVT 3.60	250	F 110	1825	875	1242	55/66	100/100	2.4/3.0
<b>D1-060X/0250-33D</b>	1x K VX 3.60	250	F 110	1825	875	1242	55/66	100/100	2.4/3.0
<b>D1-080/0250-33D</b>	1x KVT 3.80	250	F 110	1825	875	1242	67/78.5	100/100	2.4/3.0
<b>D1-080X/0250-33D</b>	1x K VX 3.80	250	F 110	1825	875	1242	67/78.5	100/100	2.4/3.0
<b>D1-100/0250-33D</b>	1x KVT 3.100	250	F 110	1825	869	1242	98/112	100/100	3.0/3.6
<b>D1-100X/0250-33D</b>	1x K VX 3.100	250	F 110	1825	869	1242	98/112	100/100	3.0/3.6
<b>D1-140/0250-33D</b>	1x KVT 3.140	250	F 110	1845	876	1246	129/154	100/200	4.0/4.8
<b>D1-140X/0250-33D</b>	1x K VX 3.140	250	F 110	1845	876	1246	129/154	100/200	4.0/4.8
<b>D1-250/0500-33D</b>	1x VTLF 2.250	500	F 110	1994	1005	1415	244/276	200/200	5.5/6.6
<b>D1-250X/0500-33D</b>	1x V XLF 2.250	500	F 110	1994	1005	1415	244/276	200/200	5.5/6.6
<b>Two pumps on vacuum vessel</b>									
<b>D2-016/0090-33D</b>	2x VT 4.16	90	F 35	1075	753	1049	16/19	150/150	0.55/0.70
<b>D2-016X/0090-33D</b>	2x VX 4.16	90	F 35	1075	753	1049	16/19	100/100	0.55/0.70
<b>D2-025/0090-33D</b>	2x VT 4.25	90	F 35	1075	753	1049	25/40	150/150	0.75/0.90
<b>D2-025X/0090-33D</b>	2x VX 4.25	90	F 35	1075	753	1049	25/40	100/100	0.75/0.90
<b>D2-040/0250-33D</b>	2x VT 4.40	250	F 110	1825	871	1242	40/48	150/150	1.25/1.50
<b>D2-040X/0250-33D</b>	2x VX 4.40	250	F 110	1825	871	1242	40/48	100/100	1.25/1.50
<b>D2-060/0250-33D</b>	2x KVT 3.60	250	F 110	1825	994	1242	55/66	100/100	2.4/3.0
<b>D2-060X/0250-33D</b>	2x K VX 3.60	250	F 110	1825	994	1242	55/66	100/100	2.4/3.0
<b>D2-080/0500-33D</b>	2x KVT 3.80	500	F 110	1995	971	1315	67/78.5	100/100	2.4/3.0
<b>D2-080X/0500-33D</b>	2x K VX 3.80	500	F 110	1995	971	1315	67/78.5	100/100	2.4/3.0
<b>D2-100/0500-33D</b>	2x KVT 3.100	500	F 110	1995	1093	1315	98/112	100/100	3.0/3.6
<b>D2-100X/0500-33D</b>	2x K VX 3.100	500	F 110	1995	1093	1315	98/112	100/100	3.0/3.6
<b>D2-140/0500-33D</b>	2x KVT 3.140	500	F 110	1995	1093	1315	129/154	100/200	4.0/4.8
<b>D2-140X/0500-33D</b>	2x K VX 3.140	500	F 110	1995	1093	1315	129/154	100/200	4.0/4.8
<b>D2-250/0750-33D</b>	2x VTLF 2.250	750	FV 250	2200	1408	1717	244/276	200/200	5.5/6.6
<b>D2-250X/0750-33D</b>	2x V XLF 2.250	750	FV 250	2200	1408	1717	244/276	200/200	5.5/6.6
<b>D2-250/1000-33D</b>	2x VTLF 2.250	1000	FV 250	2331	1433	1775	244/276	200/200	5.5/6.6
<b>D2-250X/1000-33D</b>	2x V XLF 2.250	1000	FV 250	2331	1433	1775	244/276	200/200	5.5/6.6
<b>Three pumps on vacuum vessel</b>									
<b>D3-025/0250-VC+</b>	3x VT 4.25	250	F 110	1895	904	1502	25/30	150/150	0.75/0.9
<b>D3-025X/0250-VC+</b>	3x VX 4.25	250	F 110	1895	904	1502	25/30	100/100	0.75/0.9
<b>D3-040/0250-VC+</b>	3x VT 4.40	250	F 110	1870	904	1502	40/48	150/150	1.25/1.5
<b>D3-040X/0250-VC+</b>	3x VX 4.40	250	F 110	1870	904	1502	40/48	100/100	1.25/1.5
<b>D3-060/0500-VC+</b>	3x KVT 3.60	500	F 110	2250	1043	1579	55/66	100/100	2.4/3.0
<b>D3-060X/0500-VC+</b>	3x K VX 3.60	500	F 110	2250	1043	1579	55/66	100/100	2.4/3.0
<b>D3-080/0500-VC+</b>	3x KVT 3.80	500	F 110	2250	1043	1579	67/78.5	100/100	2.4/3.0
<b>D3-080X/0500-VC+</b>	3x K VX 3.80	500	F 110	2250	1043	1579	67/78.5	100/100	2.4/3.0



L1-5.200/0500-33D



L3-5.100/0750-VC+

Systems with dry-running rotary vane vacuum pumps							Technical data per pump 50/60 Hz		
	Pumps	Vessel [l]	Filter	Length [mm]	Width [mm]	Height [mm]	m <sup>3</sup> /h	mbar abs.	kW
<b>Three pumps on vacuum vessel</b>									
<b>D3-100/0750-VC+</b>	3x KVT 3.100	750	FV 250	2435	1210	1679	98/112	100/100	3.0/3.6
<b>D3-100X/0750-VC+</b>	3x KVX 3.100	750	FV 250	2435	1210	1679	98/112	100/100	3.0/3.6
<b>D3-140/0750-VC+</b>	3x KVT 3.140	750	FV 250	2409	1210	1679	129/154	100/200	4.0/4.8
<b>D3-140X/0750-VC+</b>	3x KVX 3.140	750	FV 250	2409	1210	1679	129/154	100/200	4.0/4.8

Systems with oil-lubricated rotary vane vacuum pumps							Technical data per pump 50/60 Hz		
	Pumps	Vessel [l]	Filter	Length [mm]	Width [mm]	Height [mm]	m <sup>3</sup> /h	mbar abs.	kW
<b>One pump on vacuum vessel</b>									
<b>L1-020/0090-33D</b>	1x U 4.20	90	F 35	1149	706	1050	18/21	<1.0/<1.5	0.55/0.66
<b>L1-040/0090-33D</b>	1x U 4.40	90	F 35	1149	706	1050	41/48	0.5/0.5	1.5/1.8
<b>L1-5.70/0250-33D</b>	1x U 5.70	250	F 110	1845	876	1246	70/84	<0.1-400	1.5/1.8
<b>L1-5.100/0250-33D</b>	1x U 5.100	250	F 110	1825	869	1246	100/120	<0.1-400	2.2/2.6
<b>L1-5.165/0250-33D</b>	1x U 5.165	250	F 110	1825	876	1246	165/198	<0.1-400	4.0/4.8
<b>L1-5.200/0500-33D</b>	1x U 5.200	500	F 110	2014	968	1415	200/240	<0.1-400	5.5/6.6
<b>L1-5.300/0750-33D</b>	1x U 5.300	750	FV 250	2199	1132	1533	300/360	<0.1-400	7.5/9.0
<b>Two pumps on vacuum vessel</b>									
<b>L2-020/0090-33D</b>	2x U 4.20	90	F 35	1149	707	1049	18/21	<1.0/<1.5	0.55/0.66
<b>L2-040/0250-33D</b>	2x U 4.40	250	F 110	1825	869	1242	41/48	0.5/0.5	1.5/1.8
<b>L2-5.70/0250-33D</b>	2x U 5.70	250	F 110	1825	869	1242	70/84	<0.1-400	1.5/1.8
<b>L2-5.100/0250-33D</b>	2x U 5.100	250	F 110	1825	871	1242	100/120	<0.1-400	2.2/2.6
<b>L2-5.70/0500-33D</b>	2x U 5.70	500	F 110	1825	969	1315	70/84	<0.1-400	1.5/1.8
<b>L2-5.100/0500-33D</b>	2x U 5.100	500	F 110	1825	969	1315	100/120	<0.1-400	2.2/2.6
<b>L2-5.165/0750-33D</b>	2x U 5.165	750	FV 250	2200	1131	1533	165/198	<0.1-400	4.0/4.8
<b>L2-5.200/0750-33D</b>	2x U 5.200	750	FV 250	2200	1131	1693	200/240	<0.1-400	5.5/6.6
<b>L2-5.300/0750-33D</b>	2x U 5.300	750	FV 250	2200	1512	1693	300/360	<0.1-400	7.5/9.0
<b>L2-5.165/1000-33D</b>	2x U 5.165	1000	FV 250	2335	1156	1515	165/198	<0.1-400	4.0/4.8
<b>L2-5.200/1000-33D</b>	2x U 5.200	1000	FV 250	2335	1156	1775	200/240	<0.1-400	5.5/6.6
<b>L2-5.300/1000-33D</b>	2x U 5.300	1000	FV 250	2335	1537	1775	300/360	<0.1-400	7.5/9.0
<b>Three pumps on vacuum vessel</b>									
<b>L3-020/0250-VC+</b>	3x U 4.20	250	F 110	1870	900	1502	18/21	<1.0/<1.0	0.55/0.66
<b>L3-040/0250-VC+</b>	3x U 4.40	250	F 110	1870	900	1502	41/48	0.5/0.5	1.5/1.8
<b>L3-5.70/0500-VC+</b>	3x U 5.70	500	F 110	2040	976	1575	70/84	<0.1-400	1.5/1.8
<b>L3-5.100/0500-VC+</b>	3x U 5.100	500	F 110	2040	976	1575	100/120	<0.1-400	2.2/2.6
<b>L3-5.70/0750-VC+</b>	3x U 5.70	750	FV 250	2245	1127	1693	70/84	<0.1-400	1.5/1.8
<b>L3-5.100/0750-VC+</b>	3x U 5.100	750	FV 250	2224	1127	1693	100/120	<0.1-400	2.2/2.6
<b>L3-5.165/1000-VC+</b>	3x U 5.165	1000	FV 250	2525	1156	1619	165/198	<0.1-400	4.0/4.8
<b>L3-5.200/1000-VC+</b>	3x U 5.200	1000	FV 250	2406	1152	2015	200/240	<0.1-400	5.5/6.6
<b>L3-5.300/1000-VC+</b>	3x U 5.300	1000	FV 250	2411	1531	2015	300/360	<0.1-400	7.5/9.0
<b>L3-5.165/1500-VC+</b>	3x U 5.165	1500	FV 540	2782	1120	2060	165/198	<0.1-400	4.0/4.8
<b>L3-5.200/1500-VC+</b>	3x U 5.200	1500	FV 540	2782	1121	2300	200/240	<0.1-400	5.5/6.6
<b>L3-5.300/1500-VC+</b>	3x U 5.300	1500	FV 540	2782	1505	2300	300/360	<0.1-400	7.5/9.0