

COMPLETE PRODUCT RANGE

Vacuum Pumps and Systems, Compressors
and Pressure/Vacuum Pumps

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Официальный представитель в России и СНГ компания ООО "СибВест"

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O • U
ROTARY VANE VACUUM PUMPS

- Oil-lubricated
- Air-cooled
- Non return valve and oil separator
- U 5.70 - U 5.300 additionally with gas ballast valve and oil filter
- VARIAIR pumps including frequency inverter



O 5.8

		m ³ /h – Nominal air flow refers to intake pressure ¹⁾													m ³ /h ¹⁾	
mbar absolute		1000	900	800	700	600	500	400	300	200	100	50	25	10	@ max.	
mbar relative		0	-100	-200	-300	-400	-500	-600	-700	-800	-900	-950	-975	-990	mbar (abs.)	
O 5.4²⁾	50 Hz	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.4	3.3	2.6	2.4	1.9	0.1	2.0
	60 Hz	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1	3.9	3.2	3.0	2.4	0.1	2.0
O 5.6	50 Hz	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.2	6.2	5.8	3.2	3.0	2.4	0.1	3.0
	60 Hz	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.1	7.1	6.7	6.2	5.9	5.2	0.1	3.0
O 5.8²⁾	50 Hz	8.0	7.5	7.5	7.5	7.4	7.4	7.3	7.3	7.3	7.2	6.2	5.9	5.2	0.1	2.0
	60 Hz	9.6	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.8	8.7	8.4	8.0	7.0	0.1	2.0
O 5.10	50 Hz	10.0	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.0	9.0	8.5	8.0	6.5	0.1	2.0
	60 Hz	12.0	12.0	12.0	12.0	12.0	12.0	11.5	11.5	11.5	10.5	9.5	8.5	7.5	0.1	2.0
O 5.16	50 Hz	16.0	16.0	15.5	15.5	15.5	15.0	15.0	14.5	14.0	13.5	12.5	12.0	9.5	0.1	2.0
	60 Hz	19.0	19.0	16.5	18.5	18.0	17.5	17.5	17.0	16.5	15.5	14.5	13.5	11.0	0.1	2.0
O 5.21	50 Hz	23.5	23.0	22.5	22.5	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.0	21.0	0.1	2.0
	60 Hz	27.0	26.5	26.5	26.0	26.0	25.0	24.5	24.5	24.5	24.5	24.5	24.0	22.0	0.1	2.0
U 4.20	50 Hz	18	17.8	17.6	17.4	17.0	16.7	16.2	15.8	15.0	14.9	14.8	14.4	13.5	0.1	<1.0
	60 Hz	21	20.9	20.6	20.3	19.9	19.3	18.5	18.0	17.0	16.9	16.8	16.4	15.4	0.1	<1.5
U 4.40	50 Hz	41	40.2	39.4	38.6	37.6	36.7	35.7	34.7	33.6	32.0	31.0	30.0	29.0	0.1	0.5
	60 Hz	48	48.0	47.6	46.9	46.0	44.8	43.5	42	40.5	38.0	36.0	35.0	33.0	0.1	0.5
U 5.70	50 Hz	70	69	68	67	66	65	64	63	62	61.5	57	56	53	0.1	<0.1
	60 Hz	84	83	82	81	80	78	77	76	75	74	67	65	58	0.1	<0.1
U 5.100	50 Hz	100	98	96	94	92	91	89	87	85	83	81	77	73	0.1	<0.1
	60 Hz	120	117	115	112	109	107	104	101	99	96	94	91	80	0.1	<0.1
U 5.165	50 Hz	165	162	159	157	154	151	148	145	141	136	133	121	106	0.1	<0.1
	60 Hz	198	195	191	188	184	181	177	174	170	163	159	141	127	0.1	<0.1
U 5.200	50 Hz	200	196	193	189	185	182	178	174	171	168	163	149	137	0.1	<0.1
	60 Hz	240	235	230	226	221	216	211	206	203	194	189	167	154	0.1	<0.1
U 5.300	50 Hz	300	294	290	284	278	273	267	261	257	252	245	236	218	0.1	<0.1
	60 Hz	360	353	345	339	332	324	317	309	305	291	284	263	248	0.1	<0.1
U 4.400 SA/K U 4.400 F/K	50 Hz	435	435	435	435	435	435	435	434	434	433	431	428	413	0.1	3.0/0.5
	60 Hz	508	508	508	508	508	508	508	507	507	506	503	498	583	0.1	3.0/0.5
U 4.630 SA/K U 4.630 F/K	50 Hz	624	624	624	624	624	624	624	623	623	621	617	612	592	0.1	3.0/0.5
	60 Hz	732	732	732	732	732	732	732	731	731	729	724	718	696	0.1	3.0/0.5
VARIAIR U 5.100	60 Hz	140	124	121	119	117	15	113	111	108	105	100	94	89	0.5	0.1
VARIAIR U 5.200	60 Hz	240	233	227	219	211	202	194	193	208	225	211	196	177	32	0.1
VARIAIR U 5.300	60 Hz	330	331	332	333	335	336	336	335	334	331	328	320	300	0.5	0.1



O 5.21



U 5.200

Technical data														
	max. mbar absolute		kW 3~		kW 1~		db(A)		kg	Length	mm			Connection
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz			Width	Height		
O 5.4 ²⁾	2.0	2.0	0.10	0.12	0.10	0.10	56.9	57.2	5.5	247	115 (3~) 132 (1~)	145 (3~) 123 (1~)	Ø12 mm	
O 5.6	3.0	3.0	0.30	0.36	0.30	0.36	54.5	56.1	18.0	335 (3~) 355 (1~)	177	203	Ø14 mm	
O 5.8 ²⁾	2.0	2.0	0.35	0.45	0.35	0.45	59.6	62.5	10.0	333	158 (3~) 166 (1~)	177 (3~) 167 (1~)	Ø17 mm	
O 5.10	2.0	2.0			0.37	0.45	58.5	64.0	17.0	320	262	158	½"	
O 5.16	2.0	2.0			0.55	0.66	60.5	67.0	18.0	320	262	158	½"	
O 5.21	2.0	2.0			0.75	0.90	64.0	69.0	21.5	354	295	163	½"	
U 4.20	<1.0	<1.5	0.55	0.66	0.60	0.72	63.0	67.0	20.0	334	250 (3~) 308 (1~)	224	½"	
U 4.40	0.5	0.5	1.50	1.80	1.50	1.80	69.0	71.0	38.0	465	277 (3~) 339 (1~)	280	1"	
U 5.70	<0.1-100	<0.1-100	1.50	1.80			64.0	67.0	60.5	696	380	330	1 ¼"	
U 5.100	<0.1-400	<0.1-400	2.20	2.60			65.0	68.0	77.0	741	380	330	1 ¼"	
U 5.165	<0.1-100	<0.1-100	3.00	3.60			70	72	107.0	842	510	399	2"	
	<0.1-400	<0.1-400	4.00	4.80			70	72	104.0	820	510	399	2"	
U 5.200	<0.1-100	<0.1-100	4.00	4.80			72	75	102.0	820	510	399	2"	
	<0.1-400	<0.1-400	5.50	6.60			72	75	121.0	884	510	399	2"	
U 5.300	<0.1-100	<0.1-100	5.50	6.60			73	76	161.5	974	549	409	2"	
	<0.1-400	<0.1-400	7.50	9.00			73	76	161.5	974	549	409	2"	
U 4.400 SA/K	3.0	3.0	11.0	13.2			78	81	400.0	1368	672	506	3"	
U 4.400 F/K	0.5	0.5	11.0	13.2			78	81	400.0	1368	672	506	3"	
U 4.630 SA/K	3.0	3.0	15.0	18.0			80	83	545.0	1538	695	506	3"	
U 4.630 F/K	0.5	0.5	15.0	18.0			80	83	545.0	1538	695	506	3"	
VARIAIR U 5.100	0.1	0.1	4.0 ³⁾				65	68	71.5	736	380	373	1 ¼"	
VARIAIR U 5.200	0.1	0.1	4.0 ³⁾				72	74	107.0	821	510	410	2"	
VARIAIR U 5.300	0.1	0.1	7.5 ³⁾				73	76	170.0	980	549	468	2"	

¹⁾ Reference (atmosphere): 1000 mbar, 20°C / tolerance: ±5% (U 4.) / ±10% (U 5.)

²⁾ For short-time operation

³⁾ Power of the VARIAIR frequency inverter