

COMPLETE PRODUCT RANGE

Vacuum Pumps and Systems, Compressors
and Pressure/Vacuum Pumps

MAKE IT BECKER.



Официальный представитель в России и СНГ компания ООО "СибВест"

www.becker-nasos.ru

VT • KVT • VTLF
ROTARY VANE VACUUM PUMPS

- Oil-free
- Air-cooled
- Integrated suction filter and blow off valve
- VT/KVT with vacuum regulating valve
- VTLF with vacuum safety valve
- Version /0-400 with VARIAIR frequency inverter



VT 4.40



		m ³ /h – Refers to intake pressure ¹⁾										
mbar absolute		1000	900	800	700	600	500	400	300	200	150	100
mbar relative		0	-100	-200	-300	-400	-500	-600	-700	-800	-850	-900
VT 4.2	50 Hz	1.9	1.8	1.6	1.3	1.1	0.9	0.7				
	60 Hz	2.3	2.2	2.0	1.8	1.5	1.3	1.0				
VT 4.4	50 Hz	4.1	4.0	3.8	3.6	3.4	3.2	3.0	2.3	1.5	0.7	
	60 Hz	4.7	4.6	4.5	4.3	4.1	3.8	3.5	3.0	2.5	2.0	
VT 4.8	50 Hz	8.0	7.9	7.8	7.6	7.3	7.0	6.5	6.0	5.0	4.0	
	60 Hz	9.1	8.9	8.9	8.7	8.5	8.2	7.4	6.8	5.2	4.0	
VT 4.10	50 Hz	10	9.8	9.6	9.2	8.8	8.2	7.4	6.0	2.9	0.1	
	60 Hz	12	11.8	11.5	11.1	10.6	9.9	8.8	7.1	3.5	0.1	
VT 4.16	50 Hz	16	15.7	15.3	14.9	14.2	13.2	11.8	9.4	4.7	0.1	
	60 Hz	19	18.6	18.2	17.6	16.8	15.6	14.0	11.2	5.6	0.1	
VT 4.25	50 Hz	25	24.5	23.9	23.1	22.1	20.6	18.4	14.7	7.4	0.1	
	60 Hz	30	29.4	28.7	27.7	26.5	24.7	22.1	17.6	8.8	0.1	
VT 4.40	50 Hz	40	39.2	38.2	37.0	35.3	32.9	29.4	23.5	11.8	0.1	
	60 Hz	48	47.1	45.9	44.4	42.4	39.5	35.3	28.2	14.1	0.1	
KVT 3.60	50 Hz	55	55	54	53	52	50	48	45	37	20	0.1
	60 Hz	66	65	64	63	61	59	55	49	37	25	0.1
KVT 3.80	50 Hz	67	66	65	63	61	59	55	49	38	24	0.1
	60 Hz	78.5	77	76	75	73	70	65	58	44	29	0.1
KVT 3.100	50 Hz	98	97	96	93	90	86	80	71	56	35	0.1
	60 Hz	112	111	109	107	104	100	93	83	62	41	0.1
KVT 3.140	50 Hz	129	127	125	123	120	116	108	96	75	47	0.1
	60 Hz	154	152	150	147	143	138	130	117	90		
VTLF 2.200	50 Hz	178	174	170	165	158	152	140	115	85		
	60 Hz	218	214	210	204	197	189	178	160	125		
VTLF 2.250	50 Hz	244	242	238	235	230	222	210	197	165		
	60 Hz	286	284	281	276	270	261	248	230	195		
VTLF 2.250 SK	50 Hz	247	242	236	229	220	213	204	188	159	140	89
	60 Hz	295	292	289	284	276	269	257	240	208	191	142
VTLF 2.360	50 Hz	351	351	350	347	343	334	324	302	283 @ 250 mbar		
	60 Hz	402	403	401	399	391	382	370	360	352 @ 250 mbar		
VTLF 2.400	50 Hz	390	380	371	361	351	325	307	273	243		
	60 Hz	460	456	451	444	435	423	404	373	310		
VTLF 2.500	50 Hz	495	487	480	472	464	450	424	397	376 @ 250 mbar		
	60 Hz	570	565	559	552	541	526	504	463	446 @ 250 mbar		
KVT 3.100/0-400	60 Hz	112	111	109	107	104	99	94	84	68	56	35
KVT 3.140/0-400	60 Hz	145	140	137	134	131	127	121	110	95	83	61
VTLF 2.250/0-400	60 Hz	280	279	278	272	266	256	243	222	178		
VTLF 2.360/0-400	60 Hz	405	405	404	396	385	370	350	349	349 @ 250 mbar		
VTLF 2.500/0-400	60 Hz	560	552	546	537	527	512	489	454	425 @ 250 mbar		

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

²⁾ Alternatively available as DC variant

³⁾ Power of the VARIAIR frequency inverter



KVT 3.140



VTLF 2.250

Technical data											
	kW 3~		kW 1~		db(A)		kg	mm			Connection
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		Length	Width	Height	
VT 4.2			0.09	0.105	56.0	58.0	7.0	222	155	166	1/4"
VT 4.4	0.18 ²⁾	0.21 ²⁾	0.18 ²⁾	0.21 ²⁾	59.0	61.0	7.0	222	155	166	1/4"
VT 4.8	0.37 ²⁾	0.44 ²⁾	0.35 ²⁾	0.42 ²⁾	58.0	61.0	11.5	231 (3~) 251 (1~)	155	172	3/8"
VT 4.10	0.37	0.45	0.37	0.44	60.0	62.0	16.0	429	206	192	1/2"
VT 4.16	0.55	0.7	0.55	0.66	61.0	64.0	22.5	452	231	208	1/2"
VT 4.25	0.75	0.9	0.8	1.0	62.0	67.0	26.0	505	260	293	3/4"
VT 4.40	1.25	1.5	1.1	1.1	67.0	72.0	38.5	572	280	293	3/4"
KVT 3.60	2.2	2.6			71.0	73.0	84.0	747	353	328	1"
KVT 3.80	2.2	2.6			72.0	75.0	86.0	747	353	328	1"
KVT 3.100	3.0	3.6			75.0	77.0	108.0	851	470	336	1 1/2"
KVT 3.140	4.0	4.8			76.0	79.0	142.5	967	470	336	1 1/2"
VTLF 2.200	4.0	4.8			75.0	77.0	265.0	1174	644	528	2 1/2"
VTLF 2.250	5.5	6.6			77.0	79.0	258.0	1144	644	528	2 1/2"
VTLF 2.250 SK	7.5	9.0			77.0	79.0	268.0	1180	644	558	2 1/2"
VTLF 2.360	11.0	13.2			80.5	82.5	263.0	1174	644	528	2 1/2"
VTLF 2.400	7.5	9.0			77.0	79.0	425.0	1477	747	579	4"
VTLF 2.500	11.0	13.2			79.0	80.0	411.0	1477	747	579	4"
KVT 3.100/0-400	4.0 ³⁾					77.0	109.5	829	470	400	1 1/2"
KVT 3.140/0-400	4.0 ³⁾					77.9	115.5	829	470	400	1 1/2"
VTLF 2.250/0-400	7.5 ³⁾					79.0	270.0	1250	644	580	2 1/2"
VTLF 2.360/0-400	11.0–22.0 ³⁾					79.0	290.0	1179	644	635	2 1/2"
VTLF 2.500/0-400	11.0–22.0 ³⁾					80.0	445.0	1459	747	712	4"

SERIES X: BECKER INNOVATION WITH TOP WARRANTY

Equipped with specially developed vanes, these oil-free rotary vane pumps distinguish themselves by high abrasion resistance, and with that extremely long service lives. Due to the low wear there is also minimal dust, so the series X pumps are perfectly suited for precision processes under clean room conditions.

This innovation branded by Becker is outstanding not only because of its 100 percent oil-free operation, excellent degree of efficiency and low power consumption.

In the area of sensitive vacuum, series X also guarantees precise low-pulsation air conduction.

Becker guarantees for these pumps a vane life-time of 20,000 operating hours or a maximum of 3 years. The enhanced longevity of X series pumps also extends service life intervals, and can cut out the need for frequent service visits with costly pump failures now no longer an issue.

Available as

- VX 4.10 – VX 4.40 (100 mbar absolute)
- K VX 3.60 – K VX 3.140
- V XLF 2.200, 2.250, 2.400 & 2.500



ADVANTAGES

- Quick, clean and quiet
- Oil-free
- Wear resistant
- Energy saving
- Long-life reliability