

# 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](http://www.becker-nasos.ru)

**DT • KDT • DTLF**
**ROTARY VANE COMPRESSORS**

- Oil-free
- Air-cooled
- Integrated suction filter
- DT/KDT with pressure regulating valve
- DTLF with pressure safety valve
- Version /0-400 with VARIAIR frequency inverter



DT 4.16



		m <sup>3</sup> /h <sup>1)</sup>									m <sup>3</sup> /h <sup>1)</sup>	
bar absolute		1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	@ max.	
bar relative		0	+0.2	+0.4	+0.6	+0.8	+1.0	+1.2	+1.4	+1.6	bar (rel.)	
<b>DT 4.2</b>	50 Hz	1.9	1.7	1.6	1.6						1.6	+0.6
	60 Hz	2.3	2.1	2.0	1.9						1.9	+0.6
<b>DT 4.4</b>	50 Hz	4.2	4.0	3.8	3.6	3.4	3.2				3.2	+1.0
	60 Hz	4.9	4.7	4.5	4.3	4.0	3.8				3.8	+1.0
<b>DT 4.6/0-61</b>	50 Hz	5.7	5.3	4.9							4.9	+0.4
	60 Hz	6.4	5.9	5.4							5.4	+0.4
<b>DT 4.8</b>	50 Hz	8.0	7.8	7.5	7.2	6.8	6.5				6.5	+1.0
	60 Hz	9.5	9.1	8.7	8.3	7.9	7.5				7.5	+1.0
<b>DT 4.10</b>	50 Hz	10	9.5	8.9	8.2	7.6	7.0				7	+1.0
	60 Hz	12	11.7	11.1	10.4	9.8	9.2				9.2	+1.0
<b>DT 4.16</b>	50 Hz	16	15.3	14.6	13.9	13.2	12.5				12.5	+1.0
	60 Hz	19	18.5	17.8	17.1	16.4	15.8				15.8	+1.0
<b>DT 4.25 K</b>	50 Hz	25	24.4	23.8	23.2	22.6	22.0				22	+1.0
	60 Hz	30	29.5	29.0	28.5	28.0	27.5				27.5	+1.0
<b>DT 4.40 K</b>	50 Hz	40	37.8	36.6	35.3	34.1	32.9				32.9	+1.0
	60 Hz	48	45.8	44.6	43.3	42.1	40.9				40.9	+1.0
<b>KDT 3.60</b>	50 Hz	54	53	51	49	47	45	44	42		41	+1.5
	60 Hz	63	62	60	59	57	55	54	52		51	+1.5
<b>KDT 3.80</b>	50 Hz	66	64	62	61	59	57	55	53		52	+1.5
	60 Hz	77	75	73	72	70	68	66	64		63	+1.5
<b>KDT 3.100</b>	50 Hz	99	97	94	92	90	88	86	84		83	+1.5
	60 Hz	118	116	114	111	109	106	104	102		101	+1.5
<b>KDT 3.140</b>	50 Hz	129	127	125	123	121	119	116	113		112	+1.5
	60 Hz	153	151	149	147	144	142	140	138		137	+1.5
<b>DTLF 2.200</b>	50 Hz	174	168	163	158	152	147	141	136	130	125	+1.8
	60 Hz	216	212	207	201	196	191	186	181	175	170	+1.8
<b>DTLF 2.250</b>	50 Hz	247	243	239	234	229	223	219	214	209	205	+1.8
	60 Hz	294	290	285	280	276	271	265	260	255	249	+1.8
<b>DTLF 2.250 K</b>	50 Hz	240	236	232	228	223	218	214	210	206	203	+1.8
	60 Hz	284	279	275	270	265	260	256	252	247	241	+1.8
<b>DTLF 2.360</b>	50 Hz	360	357	353	350	346					344	+0.9
<b>DTLF 2.400</b>	50 Hz	365	354	343	335	329	326	324	322	321	320	+1.8
	60 Hz	440	432	421	417	414	410	406	402	399	395	+1.8
<b>DTLF 2.500</b>	50 Hz	515	493	481	471	460	450	440	430	421	412	+1.8
	60 Hz	600	586	574	562	552	542	532	522	510	494	+1.8
<b>KDT 3.80/0-400</b>	60 Hz	77	74	72	70	68	66	64	62		61	+1.5
<b>KDT 3.100/0-400</b>	60 Hz	118	116	114	111	109	106	103	99		98	+1.5
<b>KDT 3.140/0-400</b>	60 Hz	150	149	147	145	143	142	130	119		114	+1.5
<b>DTLF 2.250/0-400</b>	60 Hz	290	287	283	279	273	267	261	257	150	118	+1.7
<b>DTLF 2.500/0-400</b>	60 Hz	584	573	563	552	543	535	510	461		430	+1.5



KDT 3.80



DTLF 2.500

Technical data										
	max. bar rel. 50 & 60 Hz	kW 3~		db(A)		kg	mm			Connection
		50 Hz	60 Hz	50 Hz	60 Hz		Length	Width	Height	
<b>DT 4.2</b>	+0.6	0.09 (1~)	0.105 (1~)	53.0	55.0	7.0	222	155	166	¼"
<b>DT 4.4</b>	+1.0	0.18 <sup>2,3)</sup>	0.21 <sup>2,3)</sup>	60.0	60.5	7.0	222	155	166	¼"
<b>DT 4.6/0-61</b>	+0.4	0.18 <sup>3)</sup>	0.21 <sup>3)</sup>	67.0	69.0	7.0	231	155	172	⅜"
<b>DT 4.8</b>	+1.0	0.37 <sup>3)</sup>	0.44 <sup>3)</sup>	58.0	61.5	11.5	231 (3~) 251 (1~)	155	172	⅜"
<b>DT 4.10</b>	+1.0	0.37 <sup>3)</sup>	0.45 <sup>3)</sup>	60.0	62.0	16.0	429	206	195	½"
<b>DT 4.16</b>	+1.0	0.55 <sup>3)</sup>	0.70 <sup>3)</sup>	62.0	64.0	23.5	452	231	211	½"
<b>DT 4.25 K</b>	+1.0	1.10 <sup>3)</sup>	1.30	65.0	67.0	36.5	545	328	290	¾"
<b>DT 4.40 K</b>	+1.0	1.85 <sup>3)</sup>	2.20	67.0	70.0	46.0	625	328	290	¾"
<b>KDT 3.60</b>	+0.5/+1.0/+1.5	2.2/2.2/3.0	2.6/2.6/3.6	≤72	≤74	84.0	747	353	328	1"
<b>KDT 3.80</b>	+0.5/+1.0/+1.5	2.2/3.0/4.0	2.6/3.6/4.8	≤74	≤76	113.5	863	353	328	1"
<b>KDT 3.100</b>	+0.5/+1.0/+1.5	4.0/5.5/5.5	4.8/6.6/6.6	≤76	≤78	135.5	967	470	362	1 ½"
<b>KDT 3.140</b>	+0.5/+1.0/+1.5	5.5/7.5/7.5	6.6/9.0/9.0	≤82	≤84	146.0	953	470	362	1 ½"
<b>DTLF 2.200</b>	+0.8/+1.5/+1.8	5.5/7.5/11.0	6.6/9.0/13.2	≤82	≤83	365.0	1363	644	527	2 ½"
<b>DTLF 2.250</b>	+0.8/+1.5/+1.8	7.5/11.0/15.0	9.0/13.2/18.0	≤84	≤85	340.0	1300	644	557	2 ½"
<b>DTLF 2.250 K</b>	+0.8/+1.5/+1.8	7.5/11.0/15.0	9.0/13.2/18.0	≤84	≤85	361.0	1300	708	527	2 ½"
<b>DTLF 2.360</b>	+0.5/+0.9 (50 Hz)	11.0/15.0	–	≤84	–	286.0	1180	644	527	2 ½"
<b>DTLF 2.400</b>	+0.9/+1.25/+1.8	11.0/15.0/18.5	13.2/18.0/22.0	≤80	≤82	480.0	1535	747	579	4"
<b>DTLF 2.500</b>	+0.8/+1.1/+1.5/+1.8	15.0/18.5/22.0/30.0	18.0/22.0/26.0/36.0	≤81	≤82	490.0	1535	747	579	4"
<b>KDT 3.80/0-400</b>	+1.5	4.0 <sup>4)</sup>		71.2		87.5	726	353	400	1"
<b>KDT 3.100/0-400</b>	+1.5	7.5 <sup>4)</sup>		76.0		149.0	927	472	455	1 ½"
<b>KDT 3.140/0-400</b>	+1.5	7.5 <sup>4)</sup>		82.0		149.0	927	472	455	1 ½"
<b>DTLF 2.250/0-400</b>	+1.7	11.0–22.0 <sup>4)</sup>		76.7		310.0	1293	646	684	2 ½"
<b>DTLF 2.500/0-400</b>	+1.5	11.0–22.0 <sup>4)</sup>		80.6		490.0	1438	747	713	4"

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

<sup>2)</sup> Alternatively available as DC variant

<sup>3)</sup> Alternatively available as 1~ variant

<sup>4)</sup> Power of the VARIAIR frequency inverter