

2 lobe and 3 lobe comparison chart

2 lobe	3 lobe	DN (mm)	Piston Diameter (mm)	Piston Length, mm	L/D	Rotor centres	qe (l/U)	Qv 100 (m2/min)	speed of rotation, Rmax (min -1)	Compression difference, max pres., ΔPmax, min pres.	
										(mbar)	(mbar)
10.00	3S	50		120	1.18		1.016	0.42		800	500
10.10	4S			163	1		1.38	0.51		800	500
10.20	7L	80	102	245	2.4	68	2.07	0.75	4800	600	500
11.20	-	-									
11.20	10S	100		210	1.64		2.8	0.77		800	500
11.40	15L	100	128	310	2.42	86 1/3	4.14	1.1	4800	600	500
12.40	-	-									
12.50	25S	150		270	1.69		5.63	1.08		800	600
12.60	30L	150	100	382	2.39	106 2/3	7.98	1.56	4800	600	500
13.60	-	-									
13.70	35S	150		340	1.68		11.36	1.6		800	500
13.80	50L	200	202.5	480	2.37	135	16.04	2.1	4800	600	500
14.80	-	-									600
14.90	60S	200		420	1.87		21.71	2.7		800	400
14.10	80L	250	252	697	2.37	168	30.8	4	3800	600	
15.10	-	-									
15.11	90S	250		605	1.59		41.52	3.8		800	500
15.12	130L	300	318	735	2.31	212	60.4	6.3	3000	600	400
16.12	-	-									
16.13	150S	300		680	1.68		90.7	6.5		800	500
16.14	220L	400	405	986	2.43	270	131.6	10	2400	600	400
17.14	-	-									
17.15	240S	350		866	1.72		177.8	10		800	500
17.16	315L	400	502.5	1130	2.26	335	232.3	14	1900	500	400
18.17	400L	500	630	1130	1.79	420	365	15	1500	600	500
19.18	430S	500		980	1.24		500	16.5		800	500
19.19	570L	600	792	1290	1.63	528	659	19.5	1200	600	500
20.20	670S	700		1270	1.33		951	28		800	500
20.21	1080L	800	958 1/3	1965	2.05	638.9	1471	37	950	600	500
21.22				1000	1.37		1785	48	800	800	
21.23			1170	2350	2.01	779.5	2622	59	650	500	
22.23			1437.5	1541	1.07	958 1/3	3000	59	530	900	