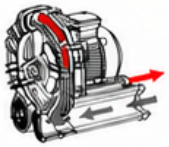
50 Hz - compression tables

Side channel blowers

www.zorg-biogas.com

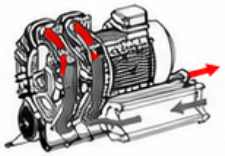
MS

Single impeller single stage



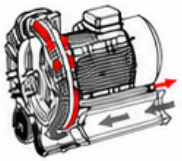
TS

Twin impeller single stage



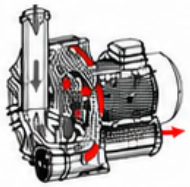
MD

Single impeller double stage



TD

Twin impeller double stage



Type	Max. flow		Flow installed motor size																										Δp max	@ Δp max	@ Δp max
			+ 50 (mbar)		+ 100 hPa (mbar)		+ 150 hPa (mbar)		+ 200 hPa (mbar)		+ 250 hPa (mbar)		+ 300 hPa (mbar)		+ 350 hPa (mbar)		+ 400 hPa (mbar)		+ 450 hPa (mbar)		+ 500 (mbar)		+ 550 hPa (mbar)		+ 600 hPa (mbar)		+ 650 hPa (mbar)				
	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	mbar	m³/h	kW
06R MS	550	0.20	308	0.20																									900	0	0.20
K03 MS	740	0.37	562	0.37	38.4	0.37	20.7	0.55																					1500	20.7	0.55
K04 MS	1370	0.75	116.6	0.75	96.2	0.75	75.7	0.75	55.2	1.10																			2500	34.6	1.50
K05 MS	2190	1.10	192.5	1.10	166.0	1.10	139.4	1.50	112.8	2.20	86.2	2.20	59.5	3.00															3000	59.5	3.00
K06 MS	3040	2.20	273.2	2.20	242.4	2.20	211.7	2.20	181.0	3.00	150.3	4.00	119.6	4.00	95.1	4.00													3500	95.1	4.00
K07 MS	4140	2.20	374.1	2.20	334.3	2.20	294.5	3.00	254.7	4.00	214.9	4.00	175.2	5.50	135.4	5.50													3500	135.4	5.50
K75 MS	4770	4.20	330.6	4.00	384.1	4.00	337.7	4.00	291.4	5.50	245.0	5.50	198.7	7.50	135.4	5.50													3250	175.6	7.50
K08 MS	5360	3.00	492.8	3.00	449.5	3.00	406.3	4.00	363.0	5.50	319.7	5.50	276.4	7.50	233.0	7.50	189.7	9.20											4250	168.0	9.20
K09 MS	638.0	4.00	616.4	4.00	569.9	4.00	523.3	5.50	476.8	5.50	430.4	7.50	383.9	9.20	337.5	9.20	291.2	11.00											4250	268.0	11.00
K10 MS	782.0	5.50	723.9	5.50	683.7	5.50	643.6	5.50	585.5	7.50	536.4	9.20	487.3	9.20	428.2	11.00	389.1	15.00	291	15.00									4250	364.6	15.00
e11 MS	945	7.50	895	7.50	847	7.50	799	7.50	752	9.20	706	11.00	660	11.00	615	15.00	571	15.00	528	18.50									4500	528.0	18.50
K12 MS	1222.0	9.20	966.9	9.20	911.9	9.20	856.9	9.20	801.9	11.00	747.0	15.00	692.2	18.50	637.3	18.50	582.5	18.50											4000	582.5	18.50
K05 TS	408.0	3.00	358.6	3.00	309.1	3.00	259.5	3.00	209.7	4.00	159.8	4.00																	250.0	159.8	4.00
K05-66 TS	334.0	4.00	315.3	4.00	286.3	4.00	247.1	4.00	197.8	4.00																			235.0	157.3	4.00
K06 TS	562.0	4.00	506.3	4.00	450.7	4.00	395.0	5.50	339.4	5.50	283.8	7.50	228.2	7.50															300.0	228.2	7.50
K07 TS	827.0	5.50	742.4	5.50	662.8	5.50	583.8	7.50	504.8	7.50	425.9	11.00	346.9	11.00															325.0	310.2	11.00
K08 TS	1060.6	7.50	928.6	7.50	851.0	7.50	773.3	9.20	695.4	11.00	617.1	11.00	539.3	15.00	460.9	15.00													375.0	421.7	15.00
K09 TS	1325.0	11.00	1232.1	11.00	1131	11.00	1036.2	11.00	935.2	15.00	834.0	15.00	761.1	18.50	674.0	18.50													350.0	674.0	18.50
K10 TS	1539.0	11.00	1437.7	11.00	1385.5	11.00	1335.3	11.00	1161.5	15.00	1032.9	18.50	932.5	18.50															250.0	1032.9	18.50
e11 TS	1856	15.00	1742	15.00	1686	15.00	1531	18.50	1366	15.50	1200	22.00																	275.0	1320.9	22.00
K12 TS	1985.0	18.50	1885.2	18.50	1786.2	18.50	1686.3	18.50	1587.1	22.00																			200.0	1587.1	22.00
150 HD	500	0.55	42.9	0.55	37.2	0.55	31.3	0.55	25.4	0.55	19.6	0.55	14.2	0.55															300.0	14.2	0.55
R20 MD	600	0.75	52.1	0.75	44.6	0.75	37.4	0.75	30.6	0.75	24.2	0.75	18.1	0.75	12.5	1.10	7.2	1.10											400.0	7.2	1.10
R30 MD	910	1.10	80.9	1.10	71.4	1.10	62.5	1.10	53.6	1.10	46.2	1.10	38.9	1.10	32.2	1.50	26.0	1.50											425.0	23.1	1.50
R40 MD	1170	2.20	107.6	2.20	98.5	2.20	89.7	2.20	81.1	2.20	72.9	2.20	64.9	2.20	57.1	2.20	49.7	2.20	42.5	3.00	35.6	3.00							500.0	35.6	3.00
K07R MD	1810	3.00	172.8	3.00	166.9	3.00	157.1	3.00	145.2	3.00	135.0	3.00	124.8	3.00	112.6	3.00	102.0	3.00	156.9	3.00	112.6	3.00	96.0	5.50	90.3				655.0	90.3	5.50
K08R MD	236.0	4.00	227.0	4.00	218.3	4.00	209.9	4.00	200.6	4.00	190.4	4.00	296.9	4.00	139.2	6.21	122.2	5.50	165.6	5.50	152.3	5.50	141.3	7.50	194.3				625.0	190.2	7.50
K09 MD	136.0	5.50	143.1	7.50	332.4	7.50	238.6	9.50	306.7	7.50	377.8	7.50	295.6	5.50	299.8	6.50	222.6	7.50	203.3	3.20	233.2	7.50	280.7	7.60	194.6	9.20			650.0	141.3	7.20
K100 MD	386.6	7.50	44.5	7.50	332.4	7.50	4506	7.50	389.6	7.50	2729	7.50	305.5	7.50	295.8	7.50	328.4	7.50	271.3	7.50	211.9	7.50	300.0	12.00	2315	9.30	232.4	9.20	650.0	232.6	9.20
e11 MD	458	11.00	442	7.50	424	7.50	406	7.50	389	7.50	474	7.50	399	7.50	359	7.50	329	7.50	339	7.50	32.9	7.50	300	11.00	286	11.00	265.0	11.00	650.0	225.6	9.20
K12 TS	992.0	18.50	486.2	18.56	455.6	12.00	106.6	12.00	938.8	12.00	652.7	12.00	392.1	12.00	399.9	12.00	366.3	12.00	335.4	12.00	341.0	15.00	328.5	15.00	316.1	15.00	303.8	15.00	300.0	303.8	15.00
156 HD	199.9	2.20	122.0	0.55	116.3	2.20	104.9	2.20	93.6	2.20	88.2	2.55	77.1	2.20	59.9	2.20	48.7	2.20											400.0	48.7	2.20
R20 MD	215.0	3.00	202.3	3.00	189.7	3.00	177.0	3.00	166.3	3.00	157.7	3.00	139.0	3.00	126.3	3.00	133.6	4.00	109.9	4.00									475.0	94.6	4.00
R30 MD	616.0	5.50	297.9	4.00	237.7	5.50	356.5	5.50	339.6	6.50	412.2	5.50	227.0	3.50	222.3	3.50	133.2	5.50	185.6	7.50	170.3	7.50	156.1	7.50					555.0	156.1	7.50
R07 TD	416.0	5.50	996.6	5.50	277.6	5.50	356.4	5.50	339.8	5.50	320.1	5.50	301.0	7.50	263.1	7.50	233.2	7.50	244.2	9.20	222.3	9.20	206.2	9.20					550.0	196.6	9.20
K08 MD	518.0	7.00	736.6	7.50	682.9	7.50	695.9	7.00	556.5	7.00	350.6	7.00	403.1	7.00	437.1	7.50	397.4	7.00	366.1	1.00	332.3	9.00	200.3	1.00	381.9	15.00			625.0	692.3	15.00
K10 MD	766.6	11.00	796.6	11.00	666.6	13.00	995.9	11.00	551.6	11.00	555.6	15.00	498.4	11.00	413.4	15.00	397.4	15.00	327.1	15.00	275.3	18.50	209.3	18.50	183.2	18.50			625.0	402.2	15.00
K11 TD	969	18.50	98.1	15.50	965.1	13.50	941	15.50	861	13.50	823	18.50	893	18.50	85.9	18.50	781	18.50	767	18.50									625.0	292.2	13.50
K12 TD	795.1	15.50	984.6	15.50	993.5	15.50	941.1	15.50	98.1	13.50	823	18.50	282.1	18.50	799.2	12.00	282.1	13.50											425.6	816.6	22.00
K12 TD	1007.0	18.50	984.9	18.50	962.6	18.50	940.4	18.50	918.1	18.50	895.7	18.50	873.2	18.50	850.7	22.00	882.1	22.00	816.8	22.00									425.0	816.8	22.00