50 Hz - compression tables

Side channel blowers

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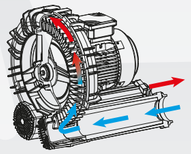
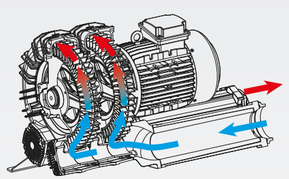
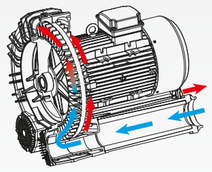
MS
Single impeller
single stage



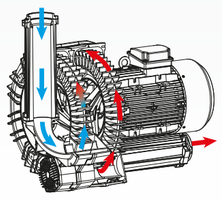
TS
Twin impeller
single stage



MD
Single impeller
double stage



TD
Twin impeller
double stage



Type	Flow installed motor size																										Δp max	Q @ Δp max	P @ Δp max
	Max. flow		+ 50 hPa (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 hPa (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	55.0	0.20	30.8	0.20																									90.0	0	0.20
K03 MS	74.0	0.37	56.2	0.37	38.4	0.37	20.7	0.55																					150.0	20.7	0.55
K04 MS	137.0	0.75	116.6	0.75	96.2	0.75	75.7	0.75	55.2	1.10	34.6	1.50																	250.0	34.6	1.50
K05 MS	219.0	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															300.0	59.5	3.00
K06 MS	304.0	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													350.0	95.1	4.00
K07 MS	414.0	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													350.0	135.4	5.50
K75 MS	477.0	4.00	430.6	4.00	384.1	4.00	337.7	4.00	291.4	5.50	245.0	5.50	198.7	7.50															325.0	175.6	7.50
K08 MS	536.0	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											425.0	168.0	9.20
K09 MS	663.0	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											425.0	268.0	11.00
K10 MS	782.0	5.50	732.9	5.50	683.7	5.50	634.6	5.50	585.5	7.50	536.4	9.20	487.3	9.20	438.2	11.00	389.1	15.00	291	15.0									425.0	364.6	15.00
e11 MS	944	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									450.0	528.0	18.50
K12 MS	1022.0	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											400.0	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	747.4	5.50	667.8	5.50	588.3	5.50	508.8	7.50	429.3	9.20	349.9	11.00															325.0	310.2	11.00
K08 TS	1006.0	7.50	928.6	7.50	851.0	7.50	773.3	9.20	695.4	11.00	617.4	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	1139.1	11.00	1046.2	11.00	953.2	15.00	860.2	15.00	767.1	18.50	674.0	18.50													350.0	674.0	18.50
K10 TS	1539.0	11.00	1437.7	11.00	1336.5	11.00	1235.3	11.00	1134.1	15.00	1032.9	18.50																	250.0	1032.9	18.50
e11 TS	1856	15.00	1742	15.00	1636	15.00	1537	15.00	1445	18.50	1360	22.00																	275.0	1320.0	22.00
K12 TS	1985.0	18.50	1885.2	18.50	1785.7	18.50	1686.3	18.50	1587.1	22.00																			200.0	1587.1	22.00
15DH MD	50.0	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	60.0	0.75	52.1	0.75	44.5	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	91.0	1.10	80.9	1.10	71.4	1.10	62.5	1.10	54.1	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	117.0	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	181.0	3.00	172.8	3.00	164.9	3.00	157.1	3.00	149.5	3.00	142.1	3.00	135.0	3.00	128.0	3.00	121.2	3.00	114.6	3.00	108.2	4.00	102.0	4.00	96.0	5.50	90.3	5.50	650.0	90.3	5.50
K08R MD	236.0	4.00	227.0	4.00	218.3	4.00	209.9	4.00	201.8	4.00	194.0	4.00	186.4	4.00	179.2	4.00	172.2	5.50	165.6	5.50	159.2	5.50	153.1	5.50	147.3	7.50	141.8	7.50	650.0	141.8	7.50
K09 MD	310.0	5.50	299.1	5.50	288.4	5.50	278.0	5.50	267.8	5.50	257.8	5.50	248.0	5.50	238.5	5.50	229.2	5.50	220.1	7.50	211.3	7.50	202.7	7.50	194.3	7.50			625.0	190.2	7.50
K10 MD	386.0	7.50	371.5	7.50	357.4	7.50	343.8	7.50	330.6	7.50	317.9	7.50	305.6	7.50	293.8	7.50	282.4	7.50	271.5	7.50	261.1	7.50	251.0	9.20	241.5	9.20	232.4	9.20	650.0	232.4	9.20
e11 MD	458	7.50	440	7.50	423	7.50	406	7.50	390	7.50	374	7.50	359	7.50	344	7.50	329	9.20	315	9.20	301	9.20	288	11.00	275	11.00	263	11.00	650.0	263.0	11.00
K12 MD	472.0	11.00	458.4	11.00	445.0	11.00	431.6	11.00	418.3	11.00	405.2	11.00	392.1	11.00	379.2	11.00	366.3	11.00	353.6	11.00	341.0	15.00	328.5	15.00	316.1	15.00	303.8	15.00	650.0	303.8	15.00
K04 TD	139.0	2.20	127.6	2.20	116.3	2.20	104.9	2.20	93.6	2.20	82.4	2.20	71.1	2.20	59.9	2.20	48.7	2.20											400.0	48.7	2.20
K05 TD	215.0	3.00	202.3	3.00	189.7	3.00	177.0	3.00	164.3	3.00	151.7	3.00	139.0	3.00	126.3	3.00	113.6	4.00	100.9	4.00									475.0	94.6	4.00
K06 TD	312.0	4.00	297.9	4.00	283.7	4.00	269.5	4.00	255.4	4.00	241.2	4.00	227.0	5.50	212.9	5.50	198.7	5.50	184.5	7.50	170.3	7.50	156.1	7.50					550.0	156.1	7.50
K07 TD	416.0	5.50	396.8	5.50	377.6	5.50	358.4	5.50	339.2	5.50	319.9	5.50	300.7	5.50	281.4	7.50	262.1	7.50	242.8	7.50	223.5	9.20	204.2	9.20					575.0	194.5	9.20
K08 TD	518.0	7.50	500.0	7.50	482.0	7.50	464.1	7.50	446.1	7.50	428.1	7.50	410.1	7.50	392.1	9.20	374.0	9.20	356.0	11.00	338.0	11.00	320.0	11.00	301.9	15.00			625.0	292.9	15.00
K09 TD	657.0	11.00	636.6	11.00	616.3	11.00	595.9	11.00	575.6	11.00	555.2	11.00	534.9	11.00	514.5	11.00	494.2	15.00	473.8	15.00	453.4	15.00	433.1	15.00	412.7	18.50			625.0	402.5	18.50
K10 TD	804.0	11.00	780.5	11.00	757.0	11.00	733.6	11.00	710.1	11.00	686.6	11.00	663.2	11.00	639.7	15.00	616.2	15.00	592.8	15.00	569.3	18.50	545.9	18.50					575.0	534.2	18.50
e11 TD	969	15.00	941	15.00	915	15.00	891	15.00	867	15.00	844	15.00	823	15.00	803	15.00	784	18.50	767	18.50									450.0	767.0	18.50
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	828.1	22.00											425.0	816.8	22.00

60 Hz - compression tables

Side channel blowers

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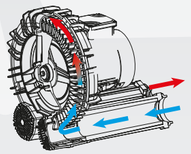
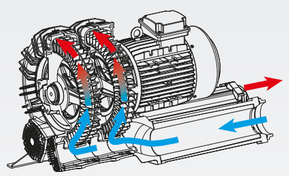
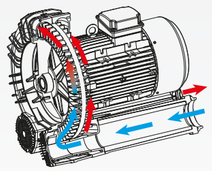
MS
Single impeller
single stage



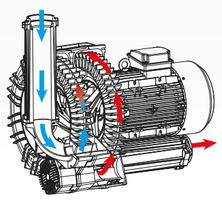
TS
Twin impeller
single stage



MD
Single impeller
double stage



TD
Twin impeller
double stage



Type	Flow installed motor size																										Δp max	Q @ Δp max	P @ Δp max
	Max. flow		+ 50 hPa (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 hPa (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	66.0	0.23	42.5	0.23	17.4	0.40																							130.0	0	0.40
K03 MS	89.0	0.42	74.4	0.42	59.8	0.42	45.4	0.65	31.0	0.65																			200.0	31.0	0.65
K04 MS	166.0	0.90	148.9	0.90	131.9	0.90	114.9	1.30	98.0	1.70	81.1	1.70																	250.0	81.1	1.70
K05 MS	265.0	1.30	242.9	1.30	220.8	1.30	198.8	1.70	176.8	2.60	154.8	2.60	132.9	3.50	111.0	3.50													350.0	111.0	3.50
K06 MS	366.0	2.60	340.5	2.60	315.1	2.60	289.7	3.50	264.2	3.50	238.8	4.80	213.4	4.80															325.0	200.7	4.80
K07 MS	499.0	2.60	465.9	2.60	432.9	3.50	399.9	4.80	367.0	4.80	334.2	6.50	301.4	6.50	268.6	6.50													350.0	268.6	6.50
K75 MS	576.0	4.80	537.5	4.80	499.1	4.80	460.7	4.80	422.3	6.50	383.9	9.00	345.5	9.00															300.0	345.5	9.00
K08 MS	647.0	3.50	611.2	3.50	575.5	4.80	539.7	4.80	503.8	6.50	468.0	9.00	432.1	9.00	396.3	11.00	360.4	11.00											425.0	342.4	11.00
K09 MS	800.0	4.80	761.3	4.80	722.7	6.50	684.1	6.50	645.5	9.00	607.0	9.00	568.6	11.00	530.2	13.00	491.8	13.00											400.0	491.8	13.00
K10 MS	944.0	6.50	903.2	6.50	862.5	6.50	821.7	9.00	781.0	9.00	740.3	11.00	699.6	13.00	658.9	17.00	618.2	17.00	577.6	17.00									450.0	577.6	17.00
e11 MS	1140	7.50	1097	7.50	1055	7.50	1014	9.20	973	11.00	932	15.00	892	15.00	852	18.50	813	18.50											425.0	794.0	18.50
K12 MS	1234.0	11.00	1188.4	11.00	1142.9	11.00	1097.3	13.00	1051.8	17.00	1006.2	17.00	960.7	22.00	915.1	22.00													375.0	892.3	22.00
K05 TS	493.0	3.50	451.9	3.50	410.8	3.50	369.9	4.80	329.0	4.80																			210.0	320.9	4.80
K06 TS	679.0	4.80	633.1	4.80	587.0	4.80	540.8	6.50	494.5	9.00	448.0	9.00																	275.0	424.8	9.00
K07 TS	998.0	6.50	931.9	6.50	865.9	6.50	799.9	9.00	733.9	9.00	668.0	11.00	602.2	13.00															325.0	569.3	13.00
K08 TS	1214.0	9.00	1149.9	9.00	1085.6	11.00	1021.2	11.00	956.6	13.00	891.9	17.00	827.1	17.00															325.0	794.6	17.00
K09 TS	1599.0	13.00	1521.9	13.00	1444.9	13.00	1368.0	13.00	1291.1	17.00	1214.2	22.00																	250.0	1214.2	22.00
K10 TS	1857.0	13.00	1773.4	13.00	1689.8	13.00	1606.1	17.00	1522.3	22.00	1438.5	22.00																	250.0	1438.5	22.00
e11 TS	2240	15.00	2141	15.00	2047	18.50	1957	22.00																					175.0	1914.0	22.00
K12 TS	2382.0	26.00	2300.4	26.00	2210.5	26.00	2132.6	26.00																					150.0	2132.6	26.00
15DH MD	58.0	0.63	53.5	0.63	48.2	0.63	43.8	0.63	38.8	0.63	34.5	0.63																	275.0	31.8	0.63
R20 MD	70.0	0.90	62.7	0.90	55.6	0.90	48.8	0.90	42.3	0.90	36.1	0.90	30.2	1.30	24.6	1.30	19.3	1.30	14.2	1.30									450.0	14.2	1.30
R30 MD	110.0	1.30	101.8	1.30	93.9	1.30	86.3	1.30	78.9	1.30	71.8	1.30	65.0	1.30	58.4	1.70	52.2	1.70											425.0	49.1	1.70
R40 MD	137.0	2.60	130.0	2.60	123.0	2.60	116.0	2.60	109.1	2.60	102.1	2.60	95.2	2.60	88.3	2.60	81.4	2.60	74.5	3.50	67.6	3.50							500.0	67.6	3.50
K07R MD	218.0	3.50	211.2	3.50	204.6	3.50	198.0	3.50	191.6	3.50	185.3	3.50	179.0	3.50	172.9	3.50	166.9	4.80	161.0	4.80	155.2	4.80	149.6	4.80	144.0	6.50	138.5	6.50	650.0	138.5	6.50
K08R MD	285.0	4.80	277.7	4.80	270.5	4.80	263.4	4.80	256.5	4.80	249.6	4.80	242.9	4.80	236.4	6.50	229.9	6.50	223.6	6.50	217.4	9.00	211.3	9.00	205.3	9.00			625.0	202.4	9.00
K09 MD	374.0	6.50	364.5	6.50	355.2	6.50	346.2	6.50	337.4	6.50	328.8	6.50	320.4	6.50	312.2	6.50	304.2	9.00	296.5	9.00	289.0	9.00	281.7	9.00					575.0	278.1	9.00
K10 MD	466.0	9.00	454.0	9.00	442.2	9.00	430.7	9.00	419.4	9.00	408.4	9.00	397.6	9.00	387.1	9.00	376.9	9.00	366.8	11.00	357.1	11.00	347.6	11.00					560.0	345.7	11.00
e11 MD	553	7.50	537	7.50	523	7.50	508	7.50	493	7.50	479	9.20	465	9.20	452	11.00	439	11.00	425	11.00									450.0	425.0	11.00
K12 MD	570.0	13.00	558.6	13.00	547.3	13.00	536.1	13.00	525.0	13.00	513.9	13.00	502.9	13.00	492.0	13.00	481.2	13.00	470.5	17.00	459.8	17.00	449.3	17.00					550.0	449.3	17.00
K04 TD	168.0	2.60	158.7	2.60	149.4	2.60	140.1	2.60	130.7	2.60	121.4	2.60	112.1	2.60	102.7	2.60													350.0	102.7	2.60
K05 TD	259.0	3.50	248.6	3.50	238.1	3.50	227.6	3.50	217.1	3.50	206.6	3.50	196.1	3.50	185.6	4.80	175.0	4.80											425.0	169.7	4.80
K06 TD	376.0	4.80	364.2	4.80	352.5	4.80	340.7	4.80	329.0	4.80	317.2	6.50	305.4	6.50	293.7	6.50	281.9	9.00	270.2	9.00	258.4	9.00							525.0	252.6	9.00
K07 TD	502.0	6.50	486.1	6.50	470.3	6.50	454.4	6.50	438.6	6.50	422.7	6.50	406.8	9.00	391.0	9.00	375.1	9.00	359.3	11.00	343.4	11.00							525.0	335.5	11.00
K08 TD	625.0	9.00	610.1	9.00	595.3	9.00	580.4	9.00	565.5	9.00	550.6	9.00	535.7	11.00	520.8	11.00	505.9	13.00	491.0	13.00	476.1	17.00	461.1	17.00	446.2	17.00			625.0	438.7	17.00
K09 TD	793.0	13.00	776.1	13.00	759.3	13.00	742.4	13.00	725.5	13.00	708.7	13.00	691.8	13.00	675.0	17.00	658.1	17.00	641.3	17.00	624.4	17.00	607.6	22.00	590.8	22.00	573.9	22.00	650.0	573.9	22.00
K10 TD	970.0	13.00	950.5	13.00	931.0	13.00	911.6	13.00	892.1	13.00	872.7	13.00	853.2	17.00	833.8	17.00	814.4	22.00	795.0	22.00	775.6	22.00							525.0	765.9	22.00
e11 TD	1169	15.00	1146	15.00	1123	15.00	1101	15.00	1079	15.00	1059	18.50	1039	18.50															300.0	1039.0	18.50
K12 TD	1216.0	22.00	1198.2	22.00	1179.9	22.00	1161.2	22.00	1142.1	22.00	1122.5	26.00	1102.5	26.00	1082.0	26.00													350.0	1082.0	26.00