



WASTEX

Three-Lobe Roots Blower



RTX

RTXthree-lobe roots blower

RTX roots blower series is a positive displacement blower which can be utilizing in a wide range of applications. Equipped with three lobe rotors type, RTX roots blower provide an excellent air output stability while generated low noise level and low vibration during operating. Additional accessories also available for installation including silencer, flexible joint, etc.

Industry	Process
▶ Wastewater treatment	Aeration
▶ Brewery and beverage industry	Cleaning process
▶ Fire extinguisher	Spraying fire-resistant material
▶ Fishery	Aeration
▶ Incinerator	Increase oxygen to promote combustion
▶ Fermenting plant	Increase oxygen to promote fermentation
▶ Car washing	Cleaning agent spraying
▶ Pipe clearing	Pipe flushing
▶ Paper mill	Drying process
▶ Electroplate factory	Stirring gas in liquid
▶ Sauna	Air circulation system
▶ Pneumatic conveying	Material conveying



*Sample Models



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Three Lobe Roots Blower Pressure Performance Table

Qs: Inlet air flow (m³/min)
La: Blower shaft power (Kw)

Model	RPM	Pressure															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
RTX-040	1650	0.60	0.19	0.57	0.37	0.54	0.53	0.50	0.67	0.49	0.81	0.48	0.94				
	1800	0.68	0.21	0.64	0.40	0.61	0.57	0.59	0.74	0.57	0.88	0.55	1.02				
	1950	0.75	0.23	0.71	0.43	0.69	0.62	0.66	0.80	0.64	0.96	0.62	1.11				
	2100	0.83	0.24	0.79	0.47	0.76	0.67	0.74	0.86	0.71	1.03	0.70	1.19				
	2250	0.90	0.26	0.86	0.50	0.84	0.72	0.81	0.92	0.79	1.11	0.77	1.28				
	2400	0.97	0.28	0.94	0.53	0.91	0.77	0.88	0.98	0.86	1.18	0.85	1.36				
	2550	1.05	0.30	1.01	0.57	0.98	0.81	0.96	1.04	0.94	1.25	0.92	1.45				
RTX-050	850	0.99	0.41	0.79	0.80	0.64	1.16	0.50	1.51	0.38	1.84	0.29	2.15	0.21	2.45	0.15	2.74
	1000	1.31	0.48	1.11	0.94	0.96	1.37	0.82	1.77	0.70	2.16	0.61	2.53	0.53	2.88	0.47	3.22
	1150	1.63	0.56	1.44	1.08	1.28	1.57	1.15	2.04	1.02	2.49	0.93	2.91	0.86	3.32	0.79	3.71
	1300	1.95	0.63	1.76	1.22	1.61	1.78	1.47	2.32	1.34	2.81	1.25	3.29	1.18	3.75	1.12	4.19
	1450	2.27	0.70	2.08	1.36	1.93	1.98	1.79	2.57	1.67	3.13	1.58	3.67	1.50	4.18	1.44	4.67
	1600	2.60	0.77	2.40	1.50	2.25	2.19	2.11	2.84	1.99	3.46	1.90	4.05	1.82	4.61	1.76	5.16
	1750	2.92	0.85	2.72	1.64	2.57	2.39	2.43	3.11	2.31	3.78	2.22	4.43	2.14	5.05	2.08	5.64
RTX-065	850	2.07	0.62	1.89	1.21	1.71	1.76	1.55	2.29	1.41	2.78	1.29	3.26	1.19	3.71	1.09	4.15
	1000	2.58	0.73	2.41	1.42	2.22	2.07	2.07	2.69	1.93	3.27	1.81	3.83	1.71	4.37	1.60	4.88
	1150	3.10	0.84	2.93	1.64	2.74	2.38	2.58	3.09	2.45	3.77	2.33	4.41	2.22	5.03	2.12	5.62
	1300	3.62	0.95	3.45	1.85	3.26	2.69	3.10	3.50	2.96	4.26	2.84	4.99	2.74	5.68	2.64	6.35
	1450	4.13	1.06	3.96	2.06	3.77	3.01	3.62	3.90	3.48	4.75	3.36	5.56	3.26	6.34	3.15	7.08
	1600	4.65	1.17	4.48	2.28	4.29	3.32	4.13	4.30	4.00	5.24	3.88	6.14	3.77	6.99	3.67	7.81
	1750	5.17	1.28	5.00	2.49	4.81	3.63	4.65	4.71	4.51	5.73	4.39	6.71	4.29	7.65	4.19	8.55
RTX-080	850	3.24	1.12	2.87	2.14	2.54	3.08	2.23	3.94	1.95	4.73	1.71	5.47	1.48	6.15	1.28	6.79
	1000	4.14	1.32	3.77	2.52	3.44	3.62	3.13	4.63	2.85	5.57	2.60	6.44	2.38	7.24	2.18	7.99
	1150	5.04	1.51	4.67	2.90	4.34	4.16	4.03	5.33	3.75	6.40	3.50	7.40	3.28	8.33	3.08	9.19
	1300	5.94	1.71	5.57	3.27	5.24	4.71	4.93	6.02	4.65	7.24	4.40	8.37	4.18	9.41	3.98	10.39
	1450	6.84	1.91	6.47	3.65	6.14	5.25	5.83	6.72	5.55	8.07	5.30	9.33	5.08	10.50	4.88	11.58
	1600	7.74	2.11	7.37	4.03	7.04	5.79	6.73	7.41	6.45	8.91	6.20	10.30	5.98	11.58	5.78	12.78
	1750	8.64	2.30	8.27	4.41	7.94	6.33	7.63	8.11	7.35	9.75	7.10	11.26	6.88	12.67	6.68	13.98
RTX-100	850	5.80	1.57	5.19	3.00	4.65	4.31	4.16	5.51	3.74	6.63	3.36	7.66	3.03	8.62	2.74	9.51
	1000	7.06	1.84	6.45	3.53	5.91	5.07	5.42	6.49	5.00	7.80	4.62	9.01	4.29	10.14	4.00	11.19
	1150	8.32	2.12	7.71	4.05	7.17	5.83	6.68	7.46	6.26	8.97	5.88	10.36	5.55	11.66	5.26	12.86
	1300	9.58	2.40	8.97	4.58	8.43	6.59	7.94	8.43	7.52	10.14	7.14	11.71	6.81	13.18	6.52	14.54
	1450	10.84	2.67	10.23	5.11	9.69	7.35	9.20	9.41	8.78	11.31	8.40	13.06	8.07	14.70	7.78	16.22
	1600	12.10	2.95	11.49	5.64	10.95	8.11	10.45	10.38	10.04	12.47	9.66	14.42	9.33	16.22	9.04	17.90
	1750	13.36	3.23	12.75	6.17	12.21	8.87	11.72	11.35	11.30	13.64	10.92	15.77	10.59	17.74	10.30	19.57

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Three Lobe Roots Blower Pressure Performance Table

Qs: Inlet air flow (m³/min)
La: Blower shaft power (Kw)

Model	RPM	Pressure															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La												
RTX-125S	750	8.13	2.05	7.43	3.91	6.80	5.62	6.22	7.20	5.72	8.66	5.25	10.01	4.83	11.26	4.46	12.42
	900	10.02	2.46	9.32	4.70	8.69	6.75	8.11	8.64	7.61	10.39	7.14	12.01	6.72	13.51	6.35	14.91
	1050	11.91	2.86	11.21	5.48	10.58	7.87	10.00	10.08	9.51	12.12	9.03	14.01	8.61	15.76	8.24	17.39
	1200	13.80	3.27	13.10	6.26	12.47	9.00	11.89	11.52	11.39	13.85	10.92	16.01	10.50	18.01	10.13	19.88
	1350	15.69	3.68	14.99	7.04	14.36	10.12	13.78	12.96	13.28	15.58	12.81	18.01	12.39	20.27	12.02	22.36
	1500	17.58	4.09	16.88	7.83	16.25	11.25	15.67	14.40	15.17	17.31	14.70	20.01	14.28	22.52	13.91	24.85
	1650	19.47	4.50	18.77	8.61	18.14	12.37	17.56	15.84	17.06	19.04	16.59	22.01	16.17	24.77	15.80	27.33
RTX-125	750	10.29	2.59	9.42	4.96	8.62	7.13	7.88	9.12	7.25	10.97	6.66	12.67	6.11	14.26	5.65	15.74
	900	12.69	3.11	11.81	5.95	11.01	8.55	10.28	10.95	9.64	13.16	9.05	15.21	8.51	17.11	8.04	18.89
	1050	15.08	3.63	14.20	6.94	13.41	9.98	12.67	12.77	12.03	15.35	11.44	17.74	10.90	19.97	10.44	22.04
	1200	17.48	4.16	16.60	7.93	15.80	11.40	15.07	14.59	14.43	17.55	13.84	20.28	13.29	22.82	12.83	25.18
	1350	19.87	4.66	18.99	8.92	18.19	12.83	17.46	16.42	16.82	19.74	16.23	22.81	15.69	25.67	15.23	28.33
	1500	22.26	5.18	21.39	9.91	20.59	14.25	19.85	18.24	19.22	21.93	18.63	25.35	18.08	28.52	17.65	31.48
	1650	24.66	5.70	23.78	10.90	22.98	15.68	22.25	20.07	21.61	24.13	21.02	27.88	20.48	31.38	20.01	34.63
RTX-150	750	13.32	3.34	12.62	6.39	11.98	9.19	11.40	11.76	10.87	14.14	10.39	16.34	10.00	18.39	9.61	20.30
	900	16.40	4.01	15.70	7.67	15.06	11.03	14.49	14.11	13.95	16.97	13.48	19.61	13.09	22.07	12.70	24.36
	1050	19.49	4.68	18.79	8.95	18.15	12.86	17.58	16.47	17.04	19.80	16.57	22.88	16.18	25.75	15.78	28.41
	1200	22.58	5.35	21.88	10.23	21.24	14.70	20.66	18.82	20.13	22.62	19.65	26.15	19.26	29.42	18.87	32.47
	1350	25.66	6.02	24.96	11.50	24.33	16.54	23.75	21.17	23.21	25.45	22.74	29.42	22.35	33.10	21.96	36.53
	1500	28.75	6.68	28.05	12.79	27.41	18.38	26.84	23.52	26.30	28.28	25.83	32.69	25.44	36.78	25.05	40.59
	1650	31.84	7.35	31.14	14.06	30.50	20.21	29.92	25.88	29.39	31.11	28.91	35.95	28.52	40.46	28.13	44.65
RTX-200	600	17.01	4.84	15.95	9.27	15.04	13.32	14.21	17.06	13.53	20.51	12.93	23.71	12.40	26.68	11.98	29.45
	750	22.68	6.05	21.62	11.58	20.71	16.65	19.88	21.32	19.20	25.64	18.60	29.64	18.07	33.36	17.65	36.82
	900	28.35	7.27	27.29	13.90	26.38	19.98	25.55	25.59	24.87	30.76	24.27	35.57	23.74	40.03	23.32	44.18
	1050	34.02	8.48	32.96	16.22	32.05	23.32	31.22	29.85	30.54	35.89	29.94	41.49	29.41	46.70	28.99	51.55
	1200	39.69	9.69	38.63	18.53	37.72	26.65	36.89	34.12	36.21	41.02	35.61	47.42	35.08	53.37	34.66	58.91
	1350	45.36	10.90	44.30	20.85	43.39	29.98	42.56	38.38	41.88	46.15	41.28	53.35	40.75	60.04	40.33	66.28
	1500	51.03	12.11	49.97	23.17	49.06	33.31	48.23	42.65	47.55	51.28	46.95	59.29	46.42	66.71	46.00	73.64
RTX-200A	600	26.33	7.40	24.91	14.16	23.65	20.35	22.50	26.06	21.45	31.35	20.52	36.23	19.69	40.77	18.98	45.00
	750	34.56	9.25	33.14	17.70	31.87	25.44	30.72	32.58	29.68	39.17	28.75	45.28	27.92	50.96	27.21	56.25
	900	42.80	11.10	41.36	21.24	40.11	30.53	38.95	39.09	37.91	47.01	36.97	54.34	36.16	61.15	35.44	67.50
	1050	51.02	12.95	49.60	24.77	48.34	35.62	47.19	45.61	46.14	54.84	45.21	63.39	44.38	71.34	43.67	78.75
	1200	59.25	14.80	57.83	28.31	56.56	40.71	55.41	52.12	54.37	62.67	53.44	72.45	52.61	81.54	51.90	90.00
	1350	67.48	16.65	66.05	31.85	64.79	45.80	63.64	58.64	62.60	70.51	61.66	81.51	60.84	91.73	60.13	101.20
	1500	75.72	18.50	74.28	35.39	73.03	50.89	71.87	65.16	70.83	78.34	69.89	90.56	69.07	101.90	68.36	112.50

• Please contact us for outline dimension and installation drawing, performance curve and noise curve.

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La: Blower shaft power (Kw)

Model	RPM	Pressure															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
RTX-250	600	27.72	7.40	26.22	14.16	24.89	20.35	23.68	26.06	22.58	31.35	21.60	36.23	20.73	40.77	19.98	45.00
	750	36.38	9.25	34.88	17.70	33.55	25.44	32.34	32.58	31.24	39.17	30.26	45.28	29.39	50.96	28.64	56.25
	900	45.05	11.10	43.54	21.24	42.22	30.53	41.00	39.09	39.91	47.01	38.92	54.34	38.06	61.15	37.31	67.50
	1050	53.71	12.95	52.21	24.77	50.88	35.62	49.67	45.61	48.57	54.84	47.59	63.39	46.72	71.34	45.97	78.75
	1200	62.37	14.80	60.87	28.31	59.54	40.71	58.33	52.12	57.23	62.67	56.25	72.45	55.38	81.54	54.63	90.00
	1350	71.03	16.65	69.53	31.85	68.20	45.80	66.99	58.64	65.89	70.51	64.91	81.51	64.04	91.73	63.29	101.20
	1500	79.70	18.50	78.19	35.39	76.87	50.89	75.65	65.16	74.56	78.34	73.57	90.56	72.71	101.90	71.96	112.50
RTX-250A	600	39.45	10.36	37.54	18.02	35.93	25.92	34.56	33.71	33.34	41.48	32.19	49.20	31.19	56.80	30.35	64.30
	750	50.92	12.95	49.00	22.52	47.40	32.40	46.02	42.14	44.80	51.85	43.65	61.50	42.66	71.00	41.82	80.40
	900	62.38	15.53	60.47	27.03	58.87	38.88	57.49	50.57	56.27	62.22	55.12	73.80	54.13	85.20	53.29	96.50
	1050	73.85	18.12	71.94	31.53	70.33	45.36	68.96	58.99	67.73	72.59	66.59	86.10	65.59	99.40	64.75	112.60
	1200	85.32	20.71	83.41	36.04	81.80	51.84	80.43	67.42	79.20	82.96	78.06	98.39	77.06	113.60	76.22	128.70
	1350	96.79	23.30	94.87	40.54	93.28	58.32	91.89	75.85	90.67	93.33	89.52	110.70	88.53	127.80	87.69	144.70
	1500	108.30	25.89	106.30	45.05	104.70	64.80	103.40	84.28	102.10	103.70	101.00	123.00	100.00	142.00	99.16	160.80
RTX-300	600	58.94	14.44	55.49	25.88	53.71	37.23	52.04	47.70	50.48	58.83	49.26	68.88	47.59	79.49	46.70	88.83
	750	75.62	18.06	72.17	32.35	70.39	46.54	68.72	59.63	67.16	73.53	65.94	86.10	64.27	99.36	63.38	111.00
	900	92.30	21.67	88.85	38.82	87.07	55.85	85.40	71.55	83.84	88.24	82.62	103.30	80.95	119.20	80.06	133.30
	1050	109.00	25.28	105.50	45.29	103.70	65.16	102.10	83.48	100.50	102.90	99.30	120.50	97.63	139.10	96.74	155.50
	1200	125.70	28.89	122.20	51.76	120.40	74.46	118.80	95.41	117.20	117.70	116.00	137.80	114.30	159.00	113.40	177.70
	1350	142.30	32.50	138.90	58.23	137.10	83.77	135.40	107.30	133.90	132.40	132.70	155.00	131.00	178.80	130.10	199.90
	1500	159.00	36.11	155.60	64.70	153.80	93.08	152.10	119.30	150.60	147.10	149.30	172.20	147.70	198.70	146.80	222.10
RTX-300A	600	88.30	21.07	85.00	37.30	82.30	53.64	80.00	71.40	78.10	87.00	76.10	103.10	74.50	119.00	72.50	136.50
	700	104.70	24.58	101.40	43.52	98.70	62.58	96.40	83.30	94.50	101.50	92.50	120.30	90.90	138.90	88.90	159.30
	800	121.10	28.10	117.80	49.74	115.10	71.52	112.80	95.20	110.90	116.00	108.90	137.50	107.30	158.70	105.30	182.10
	900	137.50	31.61	134.20	55.95	131.50	80.46	129.20	107.10	127.30	130.50	125.30	154.70	123.70	178.60	121.70	204.80
	1000	153.90	35.12	150.60	62.17	147.90	89.39	145.60	119.00	143.70	145.00	141.70	171.90	140.10	198.40	138.10	227.60
	1100	170.30	38.63	167.00	68.39	164.30	98.33	162.00	130.90	160.10	159.50	158.10	189.10	156.50	218.20	154.50	250.30
	1200	186.70	42.15	183.40	74.60	180.70	107.30	178.40	142.80	176.50	174.00	174.50	206.30	172.90	238.10	170.90	273.10
RTX-350	600	138.30	32.31	133.10	58.00	129.00	83.48	125.20	109.60	121.90	134.10	119.10	160.30	116.30	182.70	113.50	212.30
	700	163.80	37.70	158.60	67.67	154.50	97.39	150.70	127.90	147.40	156.40	144.60	187.10	141.80	213.20	139.00	247.70
	800	189.30	43.08	184.10	77.33	180.00	111.30	176.20	146.20	172.90	178.80	170.10	213.80	167.30	243.20	164.50	283.10
	900	214.80	48.47	209.60	87.00	205.50	125.20	201.70	164.50	198.40	201.10	195.60	240.50	192.80	274.10	190.00	318.50
	1000	240.30	53.85	235.10	96.67	231.00	139.10	227.20	182.70	223.90	223.40	221.10	267.20	218.30	304.60	215.50	353.90
	1100	265.80	59.24	260.60	106.30	256.50	153.00	252.70	201.00	249.40	245.80	246.60	294.00	243.80	335.00	241.00	389.20
	1200	291.30	64.62	286.10	116.00	282.00	167.00	278.20	219.30	274.90	268.10	272.10	320.70	269.30	365.50	266.50	424.60
RTX-400	600	236.30	53.28	230.30	95.65	225.50	137.70	221.30	180.80	217.60	221.10	214.10	264.40	211.30	301.40	208.80	350.10
	650	257.50	57.73	251.40	103.60	246.50	149.10	242.30	195.90	238.60	239.50	235.20	286.50	232.30	326.50	229.80	379.30
	700	278.40	62.17	272.40	111.60	267.50	160.60	263.30	210.90	259.60	257.90	256.20	308.50	253.40	351.60	250.80	408.50
	750	299.40	66.61	293.40	119.60	288.60	172.10	284.40	226.00	280.70	276.40	277.20	330.50	274.40	376.70	271.90	437.70
	800	320.40	71.05	314.40	127.50	309.60	183.60	305.40	241.10	301.70	294.80	298.20	352.60	295.40	401.80	292.90	466.80
	850	341.50	75.49	335.50	135.50	330.60	195.00	326.40	256.10	322.70	313.20	319.30	374.60	316.40	426.90	313.90	496.00
	900	362.50	79.93	356.50	143.50	351.60	206.50	347.40	271.20	343.70	331.60	340.30	396.70	337.50	452.00	335.00	525.50

WASTEX RTX THREE-LOBE ROOT BLOWER

โบลเวอร์แบบโรตารี 2-3 ล็อบส์ สำหรับ
จ่ายลมปริมาณคงที่ ที่แรงดันต่ำ-ปานกลาง





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