



ROOTSBLOWER

高豐魯氏鼓風機

GOLDENTECH ROOTS BLOWER

ROOTS TYPE BLOWER & VACUUM PUMP **CATALOG**





GT型性能表(壓送式)

GT TYPE PERFORMANCE TABLE (FOR PRESSURE)

TYPE	RPM	Qs(m ³ /min)				PRESSURE(mmAq)								La(Kw)			
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
GT-040	1650	0.60	0.19	0.57	0.37	0.54	0.53	0.51	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				
GT-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	2.31	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
GT-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
GT-080	850	3.24	1.12	2.87	2.14	2.54	3.08	2.23	3.94	1.95	4.73	1.70	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
GT-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	10.46	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
GT-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	9.50	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

GT型性能表(壓送式)

GT TYPE PERFORMANCE TABLE (FOR PRESSURE)

TYPE	RPM	Qs(m ³ /min)								PRESSURE(mmAq)								La(Kw)			
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq					
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La				
GT-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	4.15	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	17.62	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				
GT-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	12.78	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	35.96	28.52	40.46	28.13	44.65				
GT-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	30.77	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	66.27				
	1500	51.03	12.11	49.97	23.17	49.06	33.31	48.23	42.65	47.55	51.28	46.95	59.28	46.42	66.71	46.00	73.64				
GT-200A	600	27.72	7.40	26.22	14.16	24.89	20.35	23.68	26.06	22.58	31.34	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	101.2				
	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	101.9	71.96	112.5				
GT-250	600	27.72	7.40	26.22	14.16	24.89	20.35	23.68	26.06	22.58	31.34	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	101.2				
	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	101.9	71.96	112.5				
GT-250A	600	39.45	10.36	37.54	18.02	35.93	25.92	34.56	33.71	33.33	41.48	32.19	49.20	31.19	56.8	30.35	64.3				
	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	71.0	41.82	80.4				
	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	85.2	53.29	96.5				
	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	99.4	64.75	112.6				
	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	113.6	76.22	128.7				
	1350	96.79	23.30	94.87	40.54	93.27	58.32	91.89	75.85	90.67	93.33	89.52	110.7	88.53	127.8	87.69	144.7				
	1500	108.3	25.89	106.3	45.05	104.7	64.80	103.4	84.28	102.1	103.7	101.0	123.0	100.0	142.0	99.16	160.8				

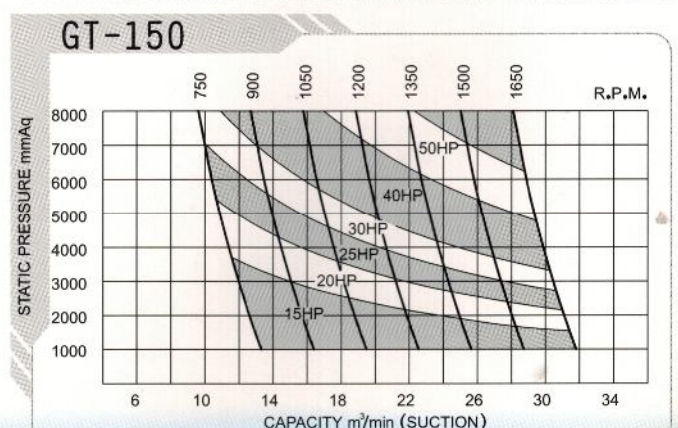
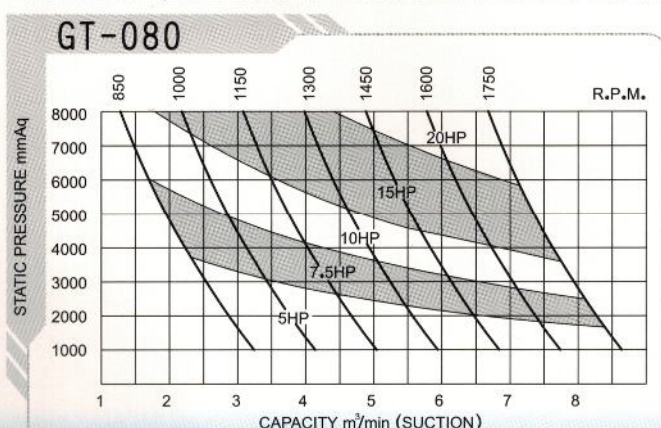
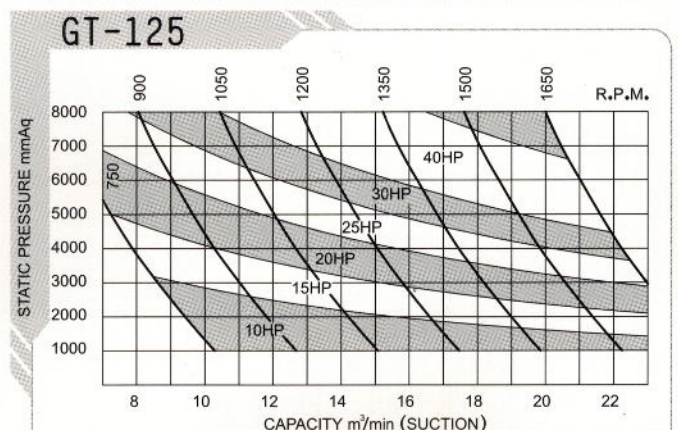
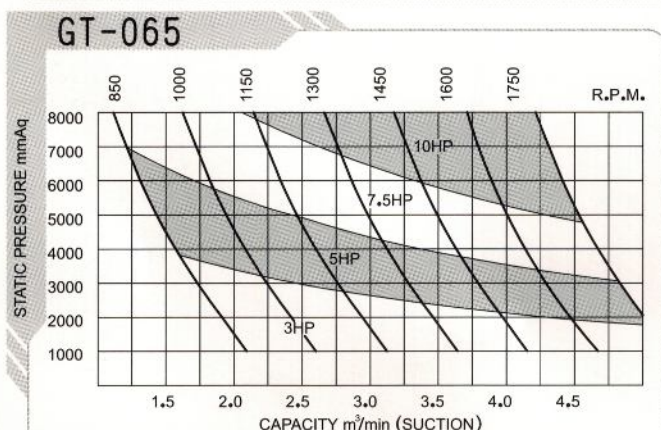
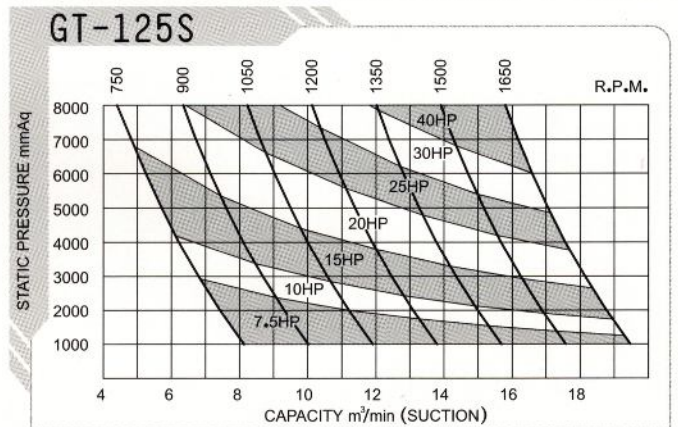
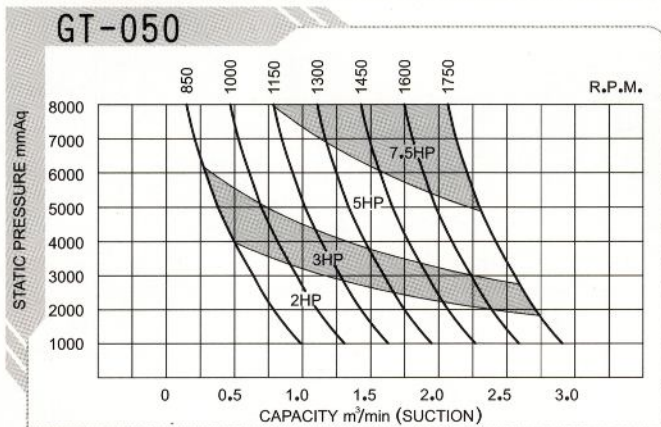
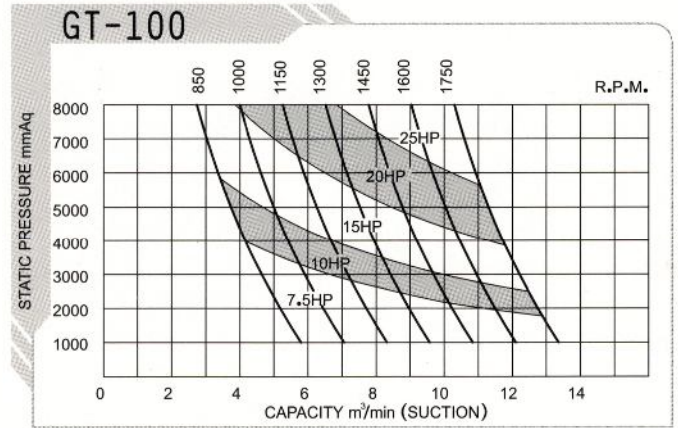
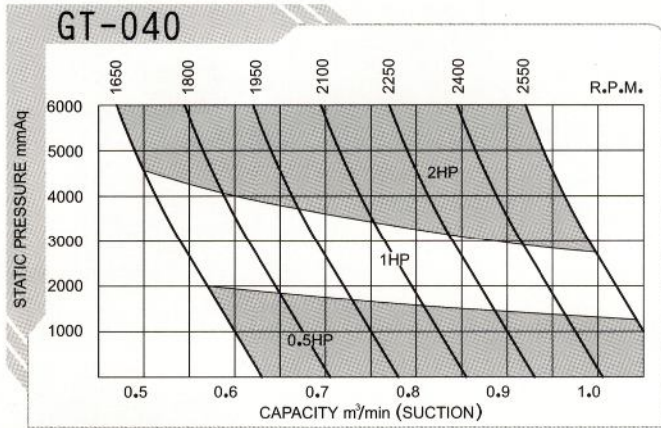


GT型性能表(壓送式)

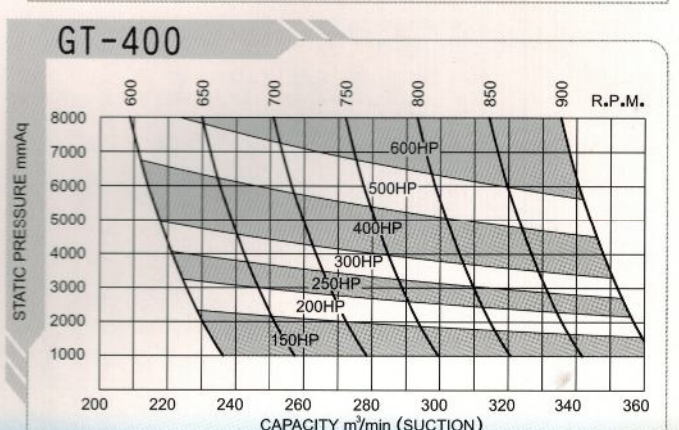
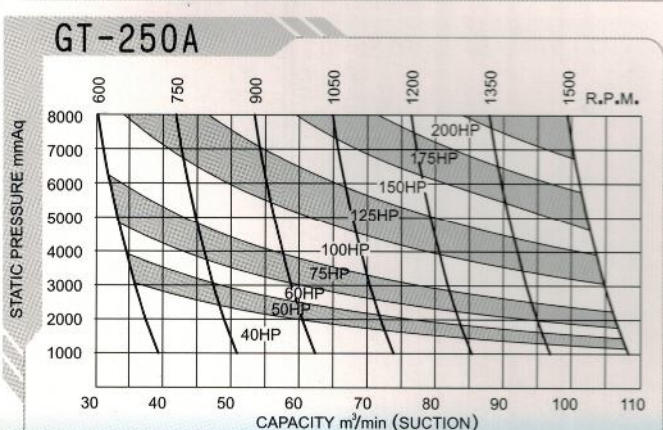
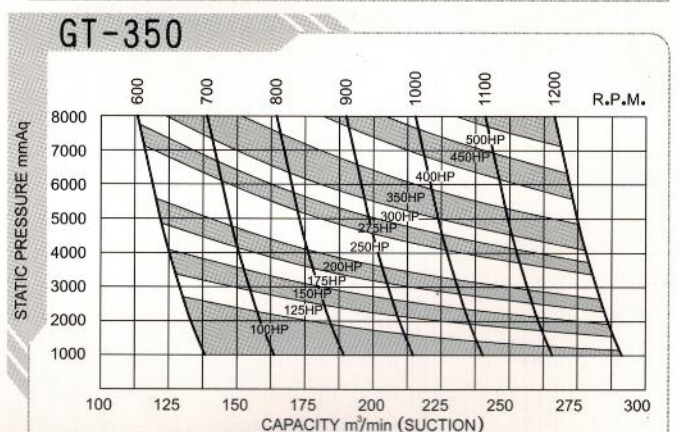
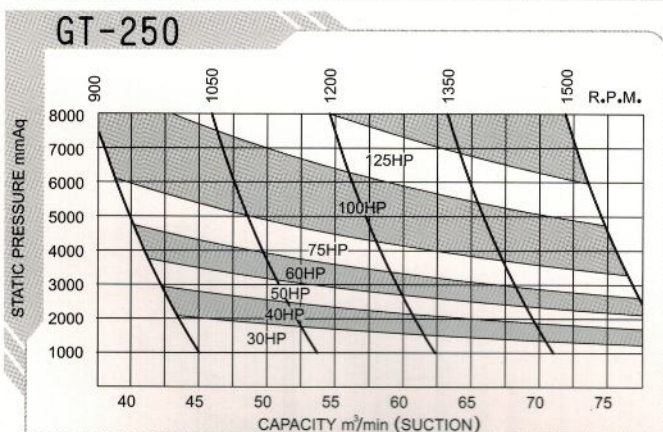
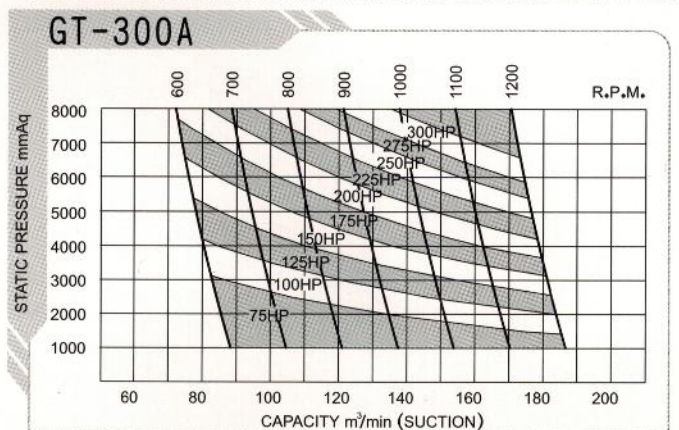
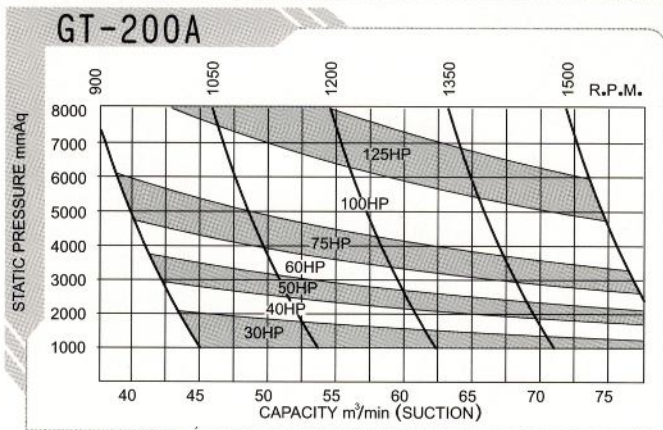
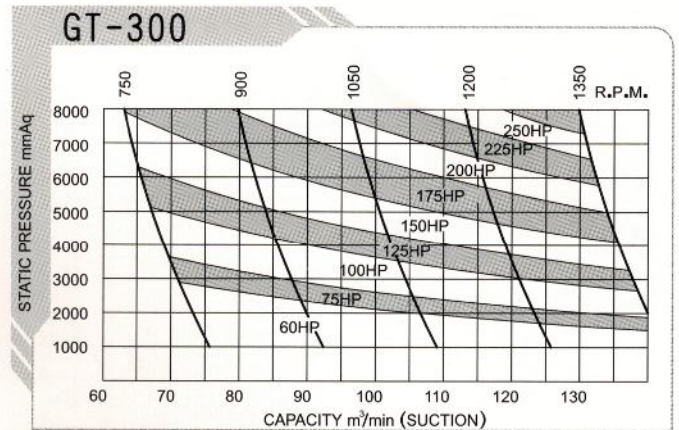
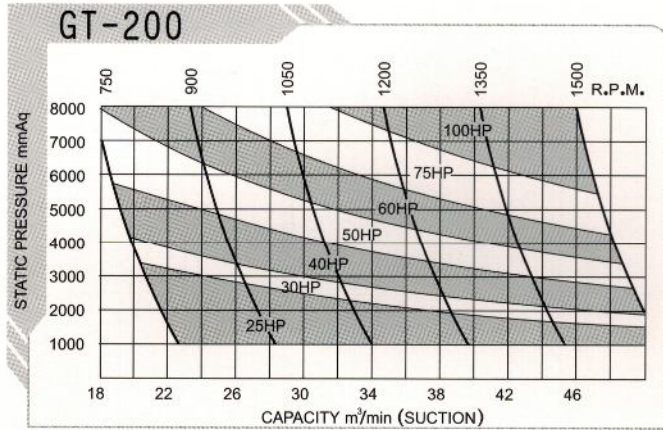
GT TYPE PERFORMANCE TABLE (FOR PRESSURE)

TYPE	RPM	Qs(m ³ /min)						PRESSURE(mmAq)						La(Kw)					
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq			
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
GT-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	111.0		
	900	92.30	21.67	88.85	38.82	87.07	55.85	85.40	71.55	83.84	88.24	82.62	103.3	80.95	119.2	80.06	133.3		
	1050	109.0	25.28	105.5	45.29	103.7	65.16	102.1	83.48	100.5	102.9	99.30	120.5	97.63	139.1	96.74	155.5		
	1200	125.7	28.89	122.2	51.76	120.4	74.46	118.8	95.41	117.2	117.7	116.0	137.8	114.3	159.0	113.4	177.7		
	1350	142.3	32.50	138.9	58.23	137.1	83.77	135.4	107.3	133.9	132.4	132.7	155.0	131.0	178.8	130.1	199.9		
	1500	159.0	36.11	155.6	64.70	153.8	93.08	152.1	119.3	150.6	147.1	149.3	172.2	147.7	198.7	146.8	222.1		
GT-300A	600	88.3	21.07	85.0	37.30	82.3	53.64	80.0	71.4	78.1	87.0	76.1	103.1	74.5	119.0	72.5	136.5		
	700	104.7	24.58	101.4	43.52	98.7	62.58	96.4	83.3	94.5	101.5	92.5	120.3	90.9	138.9	88.9	159.3		
	800	121.1	28.10	117.8	49.74	115.1	71.52	112.8	95.2	110.9	116.0	108.9	137.5	107.3	158.7	105.3	182.1		
	900	137.5	31.61	134.2	55.95	131.5	80.46	129.2	107.1	127.3	130.5	125.3	154.7	123.7	178.6	121.7	204.8		
	1000	153.9	35.12	150.6	62.17	147.9	89.39	145.6	119.0	143.7	145.0	141.7	171.9	140.1	198.4	138.1	227.6		
	1100	170.3	38.63	167.0	68.39	164.3	98.33	162.0	130.9	160.1	159.5	158.1	189.1	156.5	218.2	154.5	250.3		
	1200	186.7	42.15	183.4	74.60	180.7	107.3	178.4	142.8	176.5	174.0	174.5	206.3	172.9	238.1	170.9	273.1		
GT-350	600	138.3	32.31	133.1	58.00	129.0	83.48	125.2	109.6	121.9	134.1	119.1	160.3	116.3	182.7	113.5	212.3		
	700	163.8	37.70	158.6	67.67	154.5	97.39	150.7	127.9	147.4	156.4	144.6	187.1	141.8	213.2	139.0	247.7		
	800	189.3	43.08	184.1	77.33	180.0	111.3	176.2	146.2	172.9	178.8	170.1	213.8	167.3	243.7	164.5	283.1		
	900	214.8	48.47	209.6	87.00	205.5	125.2	201.7	164.5	198.4	201.1	195.6	240.5	192.8	274.1	190.0	318.5		
	1000	240.3	53.85	235.1	96.67	231.0	139.1	227.2	182.7	223.9	223.4	221.1	267.2	218.3	304.6	215.5	353.9		
	1100	265.8	59.24	260.6	106.3	256.5	153.0	252.7	201.0	249.4	245.8	246.6	294.0	243.8	335.0	241.0	389.2		
	1200	291.3	64.62	286.1	116.0	282.0	167.0	278.2	219.3	274.9	268.1	272.1	320.7	269.3	365.5	266.5	424.6		
GT-400	600	236.3	53.28	230.3	95.65	225.5	137.7	221.3	180.8	217.6	221.1	214.1	264.4	211.3	301.4	208.8	350.1		
	650	257.4	57.73	251.4	103.6	246.5	149.1	242.3	195.9	238.6	239.5	235.2	286.5	232.3	326.5	229.8	379.3		
	700	278.4	62.17	272.4	111.6	267.5	160.6	263.3	210.9	259.6	257.9	256.2	308.5	253.4	351.6	250.8	408.5		
	750	299.4	66.61	293.4	119.6	288.6	172.1	284.4	226.0	280.7	276.4	277.2	330.5	274.4	376.7	271.9	437.7		
	800	320.4	71.05	314.4	127.5	309.6	183.6	305.4	241.1	301.7	294.8	298.2	352.6	295.4	401.8	292.9	466.8		
	850	341.5	75.49	335.5	135.5	330.6	195.0	326.4	256.1	322.7	313.2	319.3	374.6	316.4	426.9	313.9	496.0		
	900	362.5	79.93	356.5	143.5	351.6	206.5	347.4	271.2	343.7	331.6	340.3	396.7	337.5	452.0	335.0	525.2		

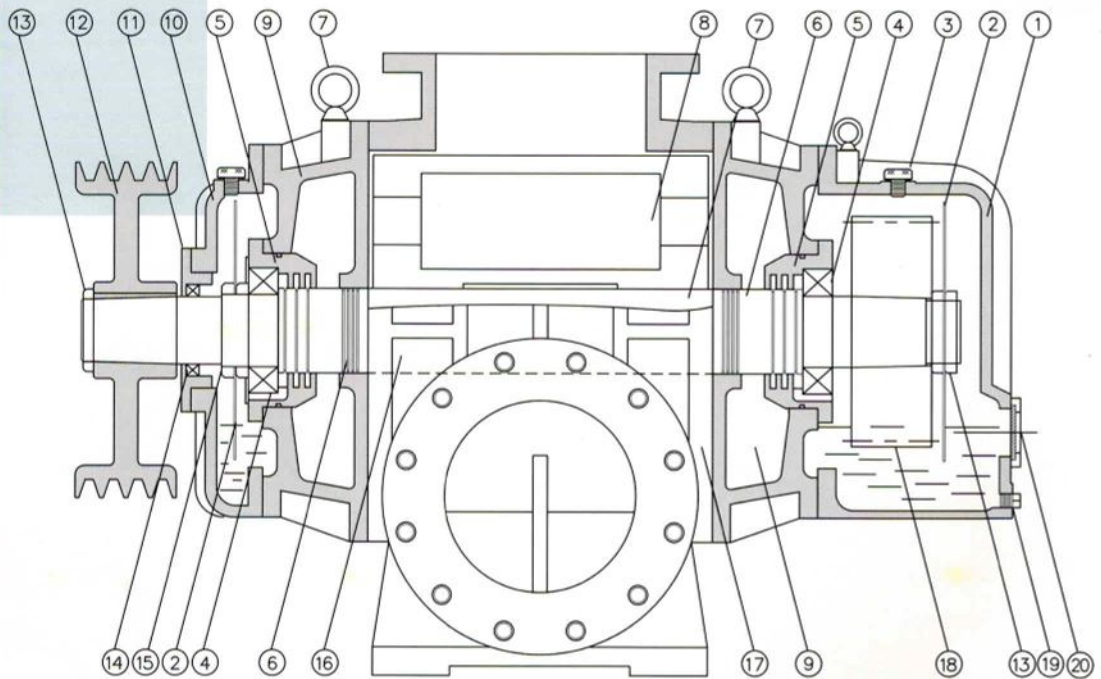
GT 壓送式性能曲線 PRESSURE PERFORMANCE CURVE



GT 壓送式性能曲線 PRESSURE PERFORMANCE CURVE



構造圖 & 材質表 STRUCTURE & MATERIAL LIST



NO.	NAME	MATERIAL	NO.	NAME	MATERIAL
1.	Gearcase 齒輪箱	FC250	11.	Seal case 油封座	FC250
2.	Oil splash 甩油片	SS400	12.	Pulley 皮帶輪	FC250
3.	Oil plug 加油塞	S45C	13.	Nut 螺帽	SS400
4.	Bearing 軸承	SUJ2	14.	Seal 油封	NBR
5.	Bearing case 軸承座	FC250	15.	Nut 螺帽	SS400
6.	Labyrinth seal 軸封	SS400	16.	Shaft 主軸	SCM440
7.	Eye bolt 吊環	S45C	17.	Main casing 主體	FC250
8.	Rotor 葉輪	FC250	18.	Spur gear 正齒輪	SCM415
9.	Side cover 側蓋	FC250	19.	Oil drain 洩油塞	S45C
10.	Oil case 油箱	FC250	20.	Oil gauge 油鏡	S45C

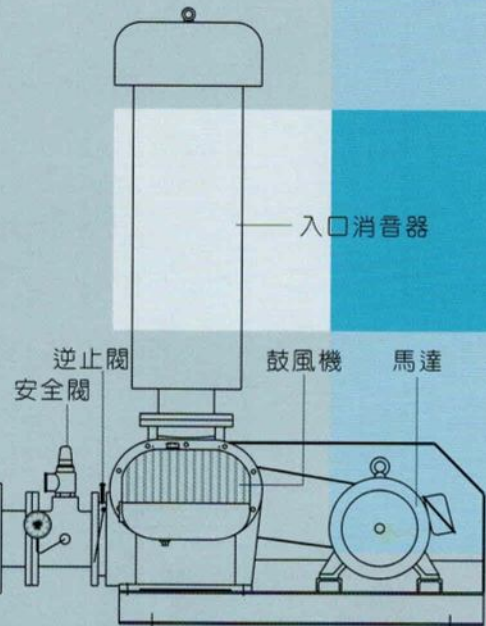
安裝圖

INSTALLATIONS

A. 壓送配管的場合 (FOR PRESSURE)



防震接頭 出口消音器

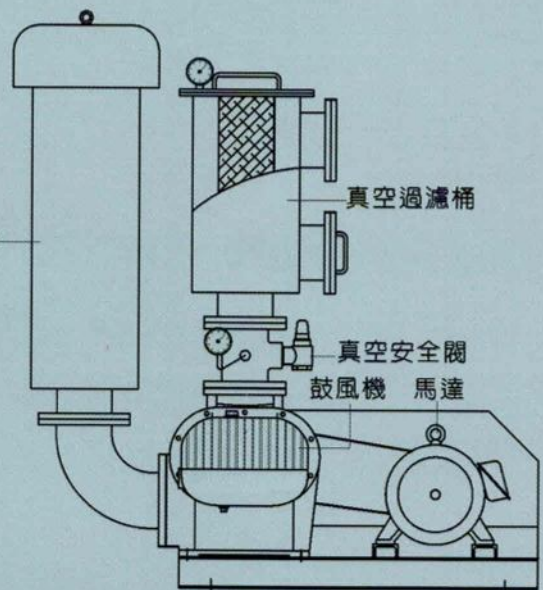


B. 真空配管的場合 (FOR VACUUM)

(FOR VACUUM)



真空用出口消音器





高豐魯氏鼓風機

GOLDENTECH ROOTS BLOWER

ROOTS TYPE BLOWER & VACUUM PUMP

訂製資料 INQUIRY

當訂製高豐三葉魯氏鼓風機時，請告知以下事項：

1. 用途：例如廢水處理、蒸餾輸送、糧食攪拌。
2. 規格：說明風量、出入口狀態（溫度、壓力、濕度）。
3. 驅動方式：馬達型式、轉速、標準。
4. 安裝情況：室內或室外、周圍的溫度及濕度狀態等。
5. 輸送氣體種類：氣體名稱、化學性質、比重、及是否具有腐蝕性或爆炸性。
6. 附件：說明選用之附件。

When inquiring about GOLDENTECH three lobes rotary blowers, please inform us as followings:

1. Applications : water aeration, pneumatic conveying etc.
2. Specifications : suction capacity, temperature, pressure and humidity.
3. Drive : motor type, r.p.m. and frequency.
4. Installations : whether indoors or outdoors, ambient temperature.
5. Type of gas : name, character, corrosiveness, specific gravity.
6. Accessories : remark accessories which to be used.



ISO 9001 認證通過

高豐機械有限公司

GOLDENTECH MACHINERY INDUSTRY CO.,LTD.

高雄公司: 高雄市仁武區鳳仁路97-9號

TEL.: 886-7-373-9820

FAX.: 886-7-373-5225

<http://www.goldentech.com.tw>

E-mail: goldentech67@outlook.com