

Roots Blower

Horizontal Flow Twin Lobe Air Compressor



An air compressor is a device that converts power into potential energy stored in pressurized ... Using CFM to rate a compressor is incorrect because it represents a flow rate that is independent of a pressure reference. i.e. 20 CFM ... Compressor tank shapes are: "pancake", "twin tank", "horizontal".

- Capacity : upto 10000 m³/Hr.
- Pressure : upto 1 Kg/cm².

Special Features:

- 100% Oil Free Air.
- Continuous Air Flow.
- Special Sealing Arrangement.
- Suitable for Gases Other Than air.
- Constant volume characteristics.

Typical Application:

- Sulphitation Process- Sugar Industries.
- Filter Bed Agitation- Water Treatment Plants.
- Pneumatic Conveying- Cattle feed, Cement, Grain, Flour.
- Slurry Agitation.
- Gas Boosting.
- High Altitude Pressurized Chambers.
- Fertilizer Projects.

Technical Details

P1 mbar ---->		100		200		300		400		500		600		700		800	
MODEL	RPM	CMH	KW	CMH	KW	CMH	KW	CMH	KW	CMH	KW	CMH	KW	CMH	KW	CMH	KW
SGR-110	1196	72	0.32	57	0.65	46	0.97	36	1.29	28	1.61	-	-	-	-	-	-
	2900	233	0.78	218	1.56	206	2.34	197	3.12	188	3.90	181	4.68	174	5.46	168	6.24
SGR-112	965	97	0.42	77	0.84	62	1.26	50	1.68	39	2.10	29	2.51	-	-	-	-
	2900	389	1.26	369	2.52	354	3.78	342	5.03	331	6.29	321	7.55	312	8.81	304	10.10
SGR-114	965	144	0.57	121	1.14	103	1.71	88	2.28	75	2.85	63	3.42	-	-	-	-
	2900	542	1.71	519	3.42	502	5.14	487	6.85	473	8.56	461	10.30	450	12.00	440	13.70
SGR-116	849	201	0.78	171	1.55	148	2.32	128	3.10	111	3.87	95	4.65	-	-	-	-
	2549	741	2.33	711	4.65	688	6.97	669	9.30	651	11.60	635	14.00	621	16.30	607	18.60
SGR-119	817	313	1.14	274	2.27	244	3.40	218	4.54	194	5.67	173	6.81	153	7.94	-	-
	2320	1044	3.22	1005	6.44	974	9.66	948	12.90	925	16.10	904	19.30	884	22.60	865	25.80
SGR-122	765	507	1.76	454	3.51	412	5.27	376	7.02	343	8.78	312	10.60	284	12.30	-	-
	1935	1447	4.44	1394	8.88	1352	13.30	1315	17.80	1282	22.20	1252	26.70	1224	31.10	1197	35.50
SGR-126	725	778	2.65	709	5.30	653	7.95	606	10.60	564	13.30	525	15.90	489	18.60	-	-
	1825	2182	6.67	2112	13.40	2057	20.0	2010	26.70	1967	33.40	1929	40.00	1893	46.70	1859	53.30
SGR-130	571	988	3.42	897	6.83	827	10.30	767	13.70	713	17.10	665	20.50	620	23.90	-	-
	1539	3002	9.20	2912	18.40	2841	27.60	2781	36.80	2728	46.00	2679	55.20	2634	64.40	2592	73.60
SGR-136	606	1913	6.28	1783	12.60	1681	18.90	1594	25.20	1516	31.40	1445	37.70	1379	44.00	1317	50.30
	1450	4969	15.10	4839	30.10	4737	45.10	4650	60.20	4572	75.20	4501	90.20	4435	106.00	4373	121.00
SGR-142	606	3078	9.87	2905	19.80	2767	29.60	2650	39.50	2545	49.40	2449	59.30	2360	69.10	2276	79.00
	1155	6204	18.80	6030	37.70	5893	56.50	5775	75.30	5670	94.10	5574	114.00	5485	132.00	5401	151.00
SGR-150	512	4413	14.10	4169	28.20	3975	42.30	3807	56.30	3657	70.40	3519	84.50	3391	98.50	3271	113.00
	1155	10590	31.80	10346	63.50	10151	95.30	9985	128.00	9834	160.00	9697	191.00	9569	223.00	9448	255.00

Vertical Flow Twin Lobe Air Compressor



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- Pressure : upto 1 Kg/cm².

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- Continuous Air Flow.
- Special Sealing Arrangement.
- Suitable for Gases Other Than air.
- Constant volume characteristics.

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SGR-110	1196	72	0.32	57	0.65	46	0.97	36	1.29	28	1.61	-	-	-	-	-	-
	2900	233	0.78	218	1.56	206	2.34	197	3.12	188	3.90	181	4.68	174	5.46	168	6.24
SGR-112	965	97	0.42	77	0.84	62	1.26	50	1.68	39	2.10	29	2.51	-	-	-	-
	2900	389	1.26	369	2.52	354	3.78	342	5.03	331	6.29	321	7.55	312	8.81	304	10.10
SGR-114	965	144	0.57	121	1.14	103	1.71	88	2.28	75	2.85	63	3.42	-	-	-	-
	2900	542	1.71	519	3.42	502	5.14	487	6.85	473	8.56	461	10.30	450	12.00	440	13.70
SGR-116	849	201	0.78	171	1.55	148	2.32	128	3.10	111	3.87	95	4.65	-	-	-	-
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	1825	2182	6.67	2112	13.40	2057	20.0	2010	26.70	1967	33.40	1929	40.00	1893	46.70	1859	53.30
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