



Air cooled single stage rotary compressors for biogas / Performance

Outlet pressure [psig]		7.5		15		17.5		20		22.5		25		30		32.5		35		37.5	
Flow rate		cfm		cfm		cfm		cfm		cfm		cfm		cfm		cfm		cfm		cfm	
Absorbed power			BHp		BHp		BHp		BHp		BHp		BHp		BHp		BHp		BHp		BHp
rpm	Compressor type																				
1450	RF 4 G	19.4	1.8	17.7	2.2	17.2	2.3	16.6	2.4	16.1	2.6	15.5	2.7	14.3	3	13.3	3.2	12.3	3.5		
	RF 6 G	31.1	2.6	28.7	3.4	27.9	3.6	27.1	3.9	26.2	4.1	25.4	4.3	23.5	4.8	22.3	5	21.1	5.3		
	RF 9 G	48.8	3.3	45.7	4.5	44.7	4.8	43.7	5.1	42.7	5.5	41.6	5.8	39.6	6.3	38.6	6.6	37.5	6.9		
	RF 12 G	61	4.2	58	5.7	57	6.2	56	6.6	55	7	54	7.3	52	8.1	50.5	8.5	49	8.8		
	RFL 15 G	73	5.4	69.1	7.1	67.8	7.5	66.5	8	65.2	8.5	63.9	8.9	61.3	9.8	60	10.3	58.5	10.8	57	11.3
	RFL 20 G	102	6.7	97	9.1	95.5	9.8	94	10.5	92.5	11.2	91	11.9	87	13.3	85	14	83.5	14.7	82	15.4
	RFL 25 G	128	7.8	122	11.2	120	12.1	118	13	116	14	114	14.9	110	16.7	108	17.7	105	18.6	102	19.5
	RFL 30 G	160	9.8	154	13.7	151	14.9	149	16	146	17.1	144	18.2	138	20.5	135	21.8	131	23.1	127	24.5
	RFL 40 G	226	14.1	214	19.6	210	21	206	22.4	202	23.7	197	25.1	188	27.9	184	29.3	179	30.7	174	32.1
	RFL 50 G	273	16.6	258	23.1	253	24.7	248	26.4	243	28	238	29.6	227	32.9	221	34.6	215	36.3	209	38
	RFL 60 G	323	19	307	26.5	301	28.8	295	30.9	289	32.9	283	35	271	39.2	265	41.3	259	43.4		
	RFL 65 G	347	20.3	328	28.3	322	30.5	316	32.8	310	35.1	304	37.4	292	42	286	44.3	280	46.7		

Water cooled single stage rotary compressors for biogas / Performance

Outlet pressure [psig]		15		20		25		30		32.5		35		37.5		40		42.5		45	
Flow rate		cfm		cfm		cfm		cfm		cfm		cfm		cfm		cfm		cfm		cfm	
Absorbed power			BHp		BHp		BHp		BHp		BHp		BHp		BHp		BHp		BHp		BHp
rpm	Compressor type																				
1450	R 25 G	136	12	132	13.8	128	15.6	124	17.4	122	18.2	120	19.1	118	20	116	20.9	114	21.8	112	22.7
	R 30 G	170	14.6	165	17	158	19.6	153	21.6	150	22.7	148	23.7	145	24.7	143	25.7	140	26.7		
	R 40 G	217	19.4	211	22.1	205	24.8	199	27.3	196	28.4	193	29.6	190	30.8	187	31.9	184	33.1	181	34.3
	R 48 G	254	22	247	25.2	240	28.4	233	31.6	227	33.8	223	35.5	219	36.9	215	38.3	212	39.7	208	41.1
	R 52 G	286	24.2	279	28.5	271	32	263	35	260	36.8	256	38.4	252	40	248	41.6	244	43.2	240	44.8
	R 61 G	328	27.8	319	32	310	35.9	301	40.3	293	43	288	45	283	46.8	279	48.5	275	50.3	271	52
975	R 60 G	332	29.7	323	34.1	314	38	305	41.7	301	43.6	296	45.5	292	47.4	287	49.2	283	50.9	278	52.6
	R 70 G	383	33.4	373	38.3	362	42.7	344	48.8	339	51.4	334	53.8	329	56	324	58.2	319	60.4	314	62.6
	R 80 G	471	40.3	459	46.3	446	51.8	434	57.3	428	60	422	62.7	416	65.5	410	68	404	70.5	398	73
	R 100 G	544	45.7	530	52.6	516	59	491	67	484	71	477	74.5	470	78	464	81	457	84	450	87
	R 121 G	649	53	632	62	616	69.5	586	80	578	84	571	88	563	92	555	95	547	99	538	103
735	R 140 G	733	61	714	72	696	81	678	89	669	93	660	97	651	101	641	106	632	110	623	114
	R 160 G	810	67	790	78	770	88	749	97	739	102	729	106	719	111	709	116	699	120	688	125
	R 180 G	957	79	933	92	908	104	884	115	872	120	860	125	847	130	835	135	823	141	811	146
	R 190 G	1087	89	1059	104	1030	118	989	133	976	139	963	145	950	152	937	158	924	165	910	171
585	R 250 G	1321	108	1278	127	1240	144	1209	158	1194	165	1179	172	1164	179	1149	187	1133	194	1118	201
	R 300 G	1691	133	1640	159	1592	181	1552	199	1531	209	1511	218	1491	227	1471	236	1450	246	1430	255

Flow rates and absorbed power refer to biogas with specific weight 0.071 lb/ft³ at 29.92 inHg (abs) and 32°F.
 The assumed suction conditions are 95°F and 0.3 psig.
 Tolerance on the given values in accordance with the Standard ISO 1217:2009