



The most cost effective technical solution for wet gas applications moving from 300 mcf/d to 4 MMCFD at pressures up to 65 psi.

AC Line of Rotary Vane Compressors



As a global leader in the packaging of rotary vane compressors, Hy-Bon Engineering has designed and packaged thousands of rotary vane compressors in applications ranging from gas boosting and casinghead gas reduction to vapor recovery in a variety of industries.

The Hy-Bon Difference:

- *Automated restart on BOTH electric and engine drive units*
 - *Automated bypass allows precise control and extends driver / compressor life*
 - *Automated liquid transfer system dramatically reduces pumper workload*
 - *Capable of multiple shutdown settings in NEMA 4, 4X or 7 control panel*
 - *Programmable PLC and annunciator with digital LCD readout*
 - *Complete parts stocking & service support*
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- ❖ *Fully contained environmental skid designs available*
 - ❖ *Custom engineered options available*

Hy-Bon AC Ro-Flo Rotary Compressors - Performance Chart

Discharge Pressure (PSIG)

		5		10		15		20		25		30	
Model	Speed	MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP
HB-4CC	865 (min)	36	2	35	2	32	3	30	3	29	3	26	4
	1740	88	4	85	5	82	6	79	7	76	8	73	9
	2200 (max)	117	5	112	6	108	8	105	9	101	10	98	11
HB-5CC	865 (min)	52	2	50	3	49	3	48	4	46	4	45	5
	1740	121	5	118	6	115	7	112	8	111	9	108	10
	2200 (max)	160	6	156	7	153	9	148	10	145	11	143	13
HB-7D	690 (min)	108	4	105	6	102	7	99	8	96	9	94	10
	1160	213	7	209	10	204	12	200	14	196	16	192	18
	1465 (max)	285	9	279	12	272	15	266	18	261	20	255	23
HB-8D	600 (min)	164	7	161	9	157	11	153	12	148	14	144	16
	1160	379	13	370	17	361	21	354	25	346	28	338	32
	1465 (max)	494	16	484	22	472	27	462	31	452	36	442	40
HB-8DE	600 (min)	203	9	199	12	194	14	189	17	184	19	180	21
	1160	487	17	477	23	465	28	454	32	444	36	432	40
	1465 (max)	642	22	628	29	612	35	598	40	583	46	569	51
HB-10G	450 (min)	238	10	233	13	228	16	223	19	219	22	213	24
	1160	857	27	840	36	821	44	804	51	786	58	770	66
	1300 (max)	971	31	950	41	930	49	912	57	891	65	873	74
HB-11S	400 (min)	377	16	370	20	363	25	356	29	348	33	341	37
	865	1047	34	1027	44	1007	54	988	63	968	71	948	80
	1000 (max)	1241	39	1218	51	1194	62	1171	72	1148	82	1125	93
HB-11L	400 (min)	431	18	422	24	415	29	406	33	397	38	389	42
	865	1197	39	1174	51	1151	62	1128	72	1104	82	1083	91
	1000 (max)	1420	45	1392	59	1365	72	1338	83	1310	94	1283	106
HB-12S	380 (min)	469	18	459	24	451	30	441	35	432	40	423	45
	865	1372	41	1345	56	1319	67	1292	79	1266	90	1240	102
	920 (max)	1475	44	1446	59	1417	71	1388	84	1359	96	1332	108
HB-12L	380 (min)	530	22	518	29	508	35	497	40	487	46	475	51
	865	1552	60	1521	66	1488	79	1456	92	1424	104	1392	117
	920 (max)	1669	53	1633	70	1598	84	1564	97	1531	111	1498	124
HB-17S	310 (min)	611	25	599	33	586	40	575	47	562	53	550	60
	690	1770	56	1734	74	1698	90	1663	105	1627	119	1593	134
	760 (max)	1984	62	1943	81	1904	99	1863	115	1824	131	1786	147
HB-17L	310 (min)	707	32	694	41	681	49	667	57	654	64	641	72
	690	2049	71	2010	92	1971	110	1934	127	1895	143	1858	159
	760 (max)	2295	78	2252	101	2209	121	2166	139	2124	157	2082	175
HB-19S	275 (min)	906	37	888	48	873	59	855	69	840	79	824	89
	575	2403	77	2360	101	2316	123	2272	144	2229	166	2186	187
	640 (max)	2729	85	2678	112	2628	136	2579	160	2530	184	2483	208
HB-19L	275 (min)	1034	41	1015	54	995	67	975	78	956	89	936	100
	575	2746	87	2693	114	2641	140	2589	163	2537	186	2487	209
	640 (max)	3118	96	3057	127	2998	155	2939	181	2880	207	2822	232

Performance is for Natural Gas (SG = 0.65, k=1.26) @ P1 = 0 psig, T1 = 60° F.

Ro-Flo Rotary Vane Compressor Performance Chart (Continued)

		35		40		45		50		55		60	
Model	Speed	MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP
HB-4CC	865 (min)	24	4	23	5	20	5	19	5	17	6	16	6
	1740	71	9	68	10	65	11	63	11	60	12	58	12
	2200 (max)	94	12	89	13	86	13	82	14	79	15	76	16
HB-5CC	865 (min)	43	5	42	6	40	6	39	6	37	7	36	7
	1740	105	11	102	12	99	13	98	13	95	14	92	15
	2200 (max)	138	4	135	15	132	16	128	17	125	18	122	19
HB-7D	690 (min)	92	11	89	12	86	13	84	14	81	15	79	16
	1160	187	20	183	21	179	23	174	24	170	26	166	27
	1465 (max)	249	25	243	27	238	29	232	30	228	32	222	34
HB-8D	600 (min)	141	18	137	19	132	21	128	22	125	24	-	-
	1160	331	35	324	37	315	40	-	-	-	-	-	-
	1465 (max)	432	44	422	47	412	51	-	-	-	-	-	-
HB-8DE	600 (min)	176	23	171	24	167	26	163	28	158	30	154	31
	1160	422	44	410	47	399	51	390	54	-	-	-	-
	1465 (max)	554	56	541	60	527	64	-	-	-	-	-	-
HB-10G	450 (min)	209	27	204	29	200	31	194	33	190	35	186	37
	1160	753	72	736	77	720	83	703	89	687	94	-	-
	1300 (max)	854	80	834	87	815	93	798	99	-	-	-	-
HB-11S	400 (min)	334	40	327	43	321	46	314	49	307	52	301	55
	865	929	87	910	74	891	100	873	106	854	113	835	119
	1000 (max)	1102	101	1079	108	1057	116	1034	123	1012	130	991	138
HB-11L	400 (min)	382	47	373	50	366	53	357	56	350	59	343	62
	865	1060	101	1038	108	1015	115	994	121	972	128	950	134
	1000 (max)	1257	117	1231	125	1204	132	1179	140	1153	148	-	-
HB-12S	380 (min)	415	50	406	54	397	57	389	61	380	64	372	68
	865	1214	114	1188	122	1162	130	1138	138	1112	146	1087	154
	920 (max)	1303	121	1247	130	816	138	1221	147	1195	155	1168	164
HB-12L	380 (min)	465	57	455	61	444	65	433	68	423	72	413	76
	865	1362	130	1331	138	1300	147	1270	156	-	-	-	-
	920 (max)	1463	138	1430	147	1398	156	1365	166	-	-	-	-
HB-17S	310 (min)	539	66	526	71	514	76	503	80	491	85	480	90
	690	1558	148	1524	158	1490	169	1457	179	1424	190	-	-
	760 (max)	1747	162	1708	174	1670	186	1633	197	1596	209	-	-
HB-17L	310 (min)	629	79	616	85	603	90	590	95	579	100	566	106
	690	1820	176	1784	189	1748	200	1711	212	-	-	-	-
	760 (max)	2040	193	1999	208	1958	221	-	-	-	-	-	-
HB-19S	275 (min)	808	99	792	106	776	114	760	121	746	129	730	137
	575	2144	206	2102	222	2061	238	2019	254	1979	270	1938	286
	640 (max)	2432	230	2386	247	2339	265	2292	283	2246	300	2200	318
HB-19L	275 (min)	917	111	899	120	880	129	861	138	842	147	825	156
	575	2436	232	2386	251	2336	269	2287	288	2223	307	-	-
	640 (max)	2765	258	2709	279	2651	300	2596	321	2540	341	-	-

Performance is for Natural Gas (SG = 0.65, k=1.26) @ P1 = 0 psig, T1 = 60° F.

Ro-Flo Rotary Vane Compressor Performance Chart (Continued)

Model	Speed	65		70		75		80		85	
		MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP	MCFD	BHP
HB-4CC	865 (min)	13	6	12	7	10	7	9	7	7	8
	1740	55	13	52	13	50	14	48	15	45	15
	2200 (max)	72	16	69	17	66	18	62	18	-	-
HB-5CC	865 (min)	35	8	33	8	32	8	37	9	-	-
	1740	91	16	-	-	-	-	-	-	-	-
	2200 (max)	-	-	-	-	-	-	-	-	-	-
HB-7D	690 (min)	76	17	73	17	71	18	69	19	66	20
	1160	161	29	157	30	-	-	-	-	-	-
	1465 (max)	216	36	-	-	-	-	-	-	-	-
HB-8D	600 (min)	-	-	-	-	-	-	-	-	-	-
	1160	-	-	-	-	-	-	-	-	-	-
	1465 (max)	-	-	-	-	-	-	-	-	-	-
HB-8DE	600 (min)	-	-	-	-	-	-	-	-	-	-
	1160	-	-	-	-	-	-	-	-	-	-
	1465 (max)	-	-	-	-	-	-	-	-	-	-
HB-10G	450 (min)	181	39	177	41	-	-	-	-	-	-
	1160	-	-	-	-	-	-	-	-	-	-
	1300 (max)	-	-	-	-	-	-	-	-	-	-
HB-11S	400 (min)	294	28	288	61	281	64	275	67	264	70
	865	816	125	-	-	-	-	-	-	-	-
	1000 (max)	969	145	-	-	-	-	-	-	-	-
HB-11L	400 (min)	334	65	327	68	-	-	-	-	-	-
	865	-	-	-	-	-	-	-	-	-	-
	1000 (max)	-	-	-	-	-	-	-	-	-	-
HB-12S	380 (min)	363	71	354	75	347	78	-	-	-	-
	865	-	-	-	-	-	-	-	-	-	-
	920 (max)	-	-	-	-	-	-	-	-	-	-
HB-12L	380 (min)	403	80	-	-	-	-	-	-	-	-
	865	-	-	-	-	-	-	-	-	-	-
	920 (max)	-	-	-	-	-	-	-	-	-	-
HB-17S	310 (min)	468	95	458	99	-	-	-	-	-	-
	690	-	-	-	-	-	-	-	-	-	-
	760 (max)	-	-	-	-	-	-	-	-	-	-
HB-17L	310 (min)	-	-	-	-	-	-	-	-	-	-
	690	-	-	-	-	-	-	-	-	-	-
	760 (max)	-	-	-	-	-	-	-	-	-	-
HB-19S	275 (min)	716	144	700	152	685	159	-	-	-	-
	575	-	-	-	-	-	-	-	-	-	-
	640 (max)	-	-	-	-	-	-	-	-	-	-
HB-19L	275 (min)	806	165	789	174	-	-	-	-	-	-
	575	-	-	-	-	-	-	-	-	-	-
	640 (max)	-	-	-	-	-	-	-	-	-	-

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