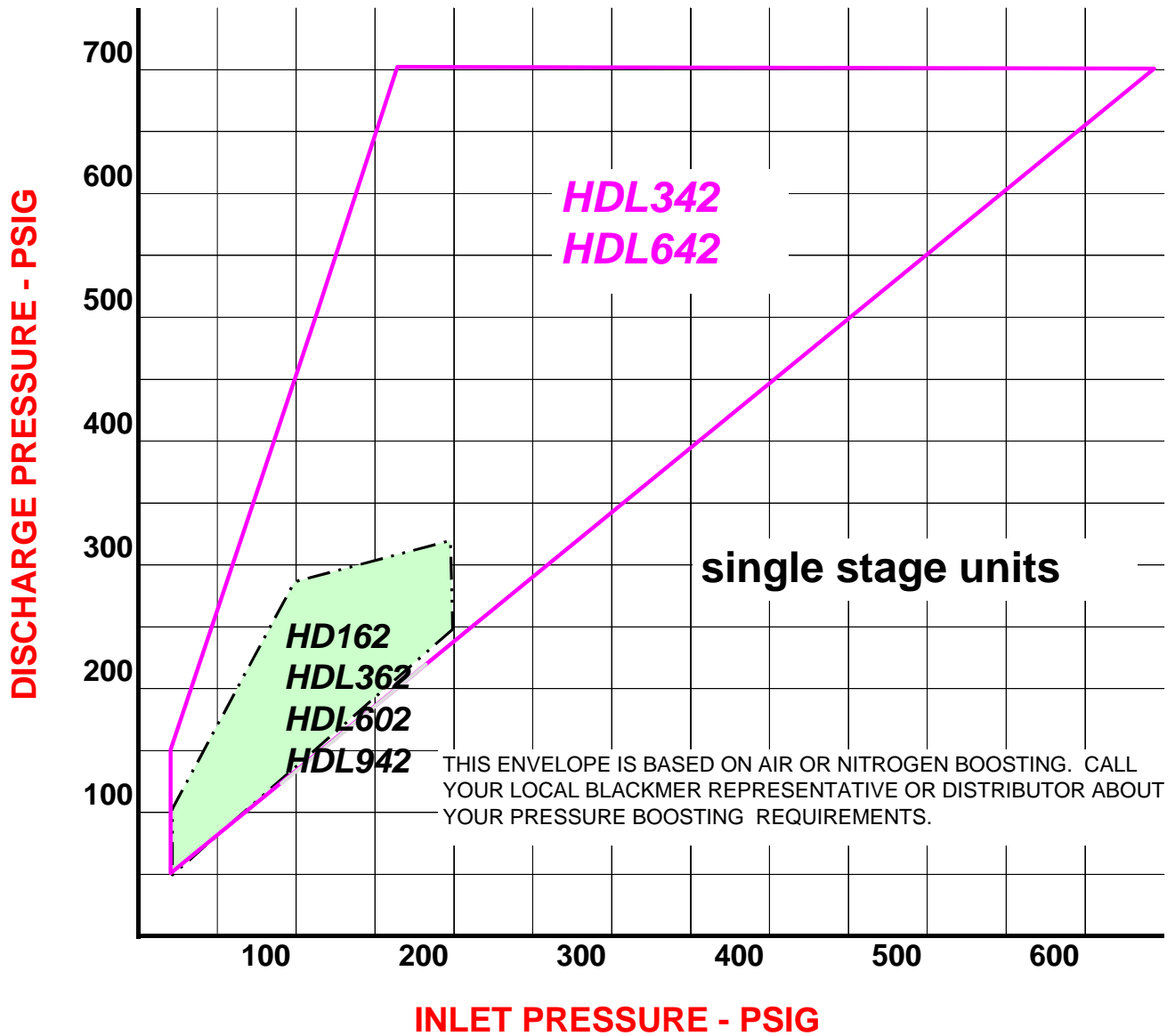


**NON-LUBE SINGLE-STAGE BOOSTER COMPRESSORS
OPERATING ENVELOPE**



NON-LUBE SINGLE-STAGE BOOSTER COMPRESSORS OPERATING ENVELOPE

ESTIMATED PERFORMANCE BLACKMER MODEL HDL362 AIR - NITROGEN BOOSTING

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp
25	70	5.4	67	7.5	64	9.1												
30	79	5.0	76	7.3	73	9.1	71	10.6										
35	89	4.5	86	7.1	83	9.1	80	10.7	78	12.0								
40			96	6.8	93	8.9	90	10.7	87	12.2								
45			106	6.4	103	8.7	100	10.6	97	12.3	94	13.6						
50			116	5.9	112	8.4	109	10.5	106	12.3	104	13.8	101	15.1				
75					162	6.3	158	9.1	155	11.4	152	13.5	149	15.3	143	18.4		
100							208	6.6	204	9.5	201	12.1	198	14.4	192	18.3	188	20.0
125											251	9.9	247	12.7	240	17.4	237	19.4
150											316	7.1	297	10.3	290	15.7	286	18.1
175													346	7.4	389	10.9	336	16.3
200																	385	13.9
	50 psig		75 psig		100 psig		125 psig		150 psig		175 psig		200 psig		250 psig		275 psig	

Discharge Pressure - PSIG

ESTIMATED PERFORMANCE BLACKMER MODEL HDL342 AIR - NITROGEN BOOSTING

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp
25	29	4.1	27	4.7	25	5.2	23	5.6								
50	51	3.4	49	4.5	47	5.3	45	6.11	43	6.6	42	7.1				
75			72	3.5	70	4.7	68	5.7	66	6.6	64	7.3	60	8.5		
100					93	3.5	91	4.8	89	6	86	6.9	82	8.6	78	9.9
125							114	3.6	112	5	109	6.1	105	8.2	101	9.8
150									135	3.6	132	5.0	128	7.4	124	9.4
175											156	3.7	151	6.4	146	8.7
200													174	5.2	169	7.8
250															216	5.3
	75 psig		100 psig		125 psig		150 psig		175 psig		200 psig		250 psig		300 psig	

Discharge Pressure - PSIG

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp
100	75	10.9																
125	97	11.2	93	12.3														
150	119	11.1	115	12.5	111	13.7	107	14.8	104	15.7	100	16.5						
175	142	10.6	138	12.3	134	13.8	130	15	126	16.2	122	17.2						
200	165	10.0	161	11.9	156	13.5	152	15	148	16.3	144	17.5	140	18.6				
250	211	8.0	206	10.4	202	12.4	198	14.3	193	16.0	189	17.5	185	18.9	175	19.5		
300	258	5.4	253	8.2	248	10.7	243	12.9	239	14.9	235	16.8	230	18.5	218	19.4		
350					295	8.4	290	10.9	285	13.3	281	15.4	276	17.4	272	19.3		
400					342	5.6	336	8.5	332	11.2	327	13.6	322	15.9	318	18.0	313	19.9
450									378	8.6	374	11.3	369	13.9	364	16.2	360	18.4
500													416	11.5	411	14.1	405	16.5
550													462	8.8	457	11.7	453	14.3
600															505	8.9	500	11.8
650																	547	9.0
	350 psig		400 psig		450 psig		500 psig		550 psig		600 psig		650 psig		700 psig		705 psig	

Discharge Pressure - PSIG

NON-LUBE SINGLE-STAGE BOOSTER COMPRESSORS OPERATING ENVELOPE

ESTIMATED PERFORMANCE BLACKMER MODEL HDL602 AIR - NITROGEN BOOSTING

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	
25	121	10.3	114	13.7	107	16.1													
30	139	9.6	132	13.5	124	16.3	117	18.5											
35	157	8.8	145	13.2	142	16.4	135	18.9											
40			167	12.7	160	16.3	152	19.1	209	21.3	179	16.0							
45			185	12.1	178	16.0	170	19.1	234	21.6	224	23.7							
50			203	11.4	196	15.6	188	19.0	259	21.8	249	24.1	101	15.1					
75					285	12.2	277	16.9	269	20.9	261	24.3	253	27.2	238	32.0			
100							368	12.9	359	18.0	350	22.4	343	26.2	327	32.6	319	35.3	
125												442	18.9	432	23.5	416	31.4	408	34.8
150												533	14.2	523	19.6	506	29.0	498	33.0
175														614	14.8	597	25.4	588	30.1
200																688	21.0	679	26.3
	50 psig		75 psig		100 psig		125 psig		150 psig		175 psig		200 psig		250 psig		275 psig		

Discharge Pressure - PSIG

ESTIMATED PERFORMANCE BLACKMER MODEL HDL642 AIR - NITROGEN BOOSTING

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp
25	51	7	45	8	39	9	33	9								
50	98	7	91	8	85	10	78	10	72	11	66	12				
75			139	7	132	9	125	10	118	12	111	13	145	15	87	15
100					180	7	173	9	165	11	158	13	192	15	132	17
125							221	7	213	10	206	12	239	14	178	17
150									262	7	254	10	287	12	225	17
175											303	8	336	10	273	16
200													385	8	321	15
250															418	11
	75 psig		100 psig		125 psig		150 psig		175 psig		200 psig		250 psig		300 psig	

Discharge Pressure - PSIG

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp
100	119	18																
125	165	19	152	20	140	21												
150	211	19	198	21	185	23	173	24	160	24								
175	258	19	245	21	231	23	218	25	205	26	193	27						
200	306	18	292	21	278	24	264	26	251	27	238	29	226	30	213	31		
250	403	15	387	19	373	23	358	25	344	28	331	30	318	32	304	33	292	35
300	500	11	485	16	469	20	454	24	439	27	425	30	411	32	397	34	384	36
350			583	11	567	16	551	21	536	25	521	28	506	31	492	34	478	36
400					665	12	649	17	633	21	618	25	603	29	588	32	573	35
450							748	12	732	17	716	22	700	26	685	30	670	34
500									831	12	814	17	798	22	782	27	767	31
550											914	12	897	18	881	23	865	27
600													996	13	980	18	964	23
650															1079	13	1063	18
	350 psig		400 psig		450 psig		500 psig		550 psig		600 psig		650 psig		700 psig		705 psig	

Discharge Pressure - PSIG

NON-LUBE SINGLE-STAGE BOOSTER COMPRESSORS OPERATING ENVELOPE

ESTIMATED PERFORMANCE BLACKMER MODEL HDL942 AIR - NITROGEN BOOSTING

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp
25	236	16.4	222	23.1	210	28.1												
30	270	15.1	256	22.8	243	28.5	232	32.9										
35	304	13.6	290	22	277	28.4	265	33.5	252	37.5								
40			325	21.1	311	28.1	298	33.8	286	38.3								
45					346	27.6	332	33.7	320	38.8								
50					380	26.7	366	33.5	353	39	341	43.7						
55					414	25.7	444	33	388	39	374	44.1						
60					448	24.5	434	32.3	420	38.8	408	44.3						
65					483	23.1	468	31.4	455	38.4	441	44.3						
70							503	30.4	489	37.8	476	44.1						
75							538	29.2	523	37	510	43.7						
80							572	27.8	557	36.1	544	43.2						
85							606	26.4	592	35	578	42.5						
90							641	24.8	627	33.8	612	41.7						
95							675	23	660	32.5	646	40.7	633	48				
100									695	31.1	681	39.7	667	47.2				
110											750	37.2	735	45.4				
120											819	34.3	805	43.1				
130											888	31	873	40.5				
140											957	27.4	942	37.5	928	46.5		
150													1011	34.2	996	43.7		
160													1082	30.5	1066	40.6		
170																	1120	46.9
	50 psig		75 psig		100 psig		125 psig		150 psig		175 psig		200 psig		225 psig		250 psig	

Discharge Pressure - PSIG

ESTIMATED PERFORMANCE BLACKMER MODEL HD162 AIR - NITROGEN BOOSTING

INLET PSIG	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp	scfm	bhp
25	31	3	29	4	28	4.7												
30	35	2.9	34	4	32	4.8	31	5.4										
35	39	2.7	38	3.9	37	4.8	35	5.5	34	6.1								
40			43.0	3.8	41	4.8	40	5.6	38	6.3								
45			47.0	3.7	46	4.7	44	5.6	43	6.3								
50			51	3.5	50	4.6	48.6	5.6	47	6.4	46	7.1						
55			56	3.3	54	4.5	53	5.6	51	6.4	50	7.2						
60					58	4.4	57	5.5	56	6.4	55	7.2	53	7.9				
65					63	4.2	61	5.4	60	6.4	59	7.2	57	8	56	8.6		
70					67	4.1	66	5.3	64	6.3	63	7.2	62	8	60	8.7		
75					72	3.9	70	5.1	69	6.2	67	7.2	66	8	65	8.8		
80							75	5	73	6.1	72	7.1	70	8	69	8.8		
85							79	4.8	78	6	76	7.1	75	8	73	8.8		
90							83	4.6	82	5.9	80	7	79	8	78	8.8		
95							88	4.4	86	5.7	85	6.9	83	7.9	82	8.8		
100							92	4.2	91	5.6	89	6.8	88	7.8	86	8.8		
110									100	5.2	98	6.5	97	7.6	95	8.6		
120											107	6.1	105	7.3	104	8.4		
130											115	5.7	114	7	113	8.2	111	9.3
140											125	5.3	123	6.7	121	7.9	120	9.1
150													131	6.3	130	7.6	128	8.8
160													140	5.8	139	7.2	137	8.5
170															148	6.8	146	8.1
	50 psig		75 psig		100 psig		125 psig		150 psig		175 psig		200 psig		225 psig		250 psig	

Discharge Pressure - PSIG