

SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

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 Date May 3, 2019
 Supersedes November 15, 2018

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
250 GPM	40	92	15	2950	13	43	3"-1824F
	45	104	15	2950	16	49	3"-1824F
	50	115	20	2950	19	54	3"-1824F
	51	118	15	2950	13	62	2-1/2"-1823BF
	55	127	15	2950	15	66	2-1/2"-1823BF
			20	2950	21	59	3"-1824F
	60	139	15	2950	17	70	2-1/2"-1823BF
			25	2950	24	64	3"-1824F
	65	150	20	2950	18	74	2-1/2"-1823BF
			25	2950	27	66	3"-1824F
	70	162	20	2950	20	78	2-1/2"-1823BF
			30	2950	30	72	3"-1824F
	75	173	20	2950	21	83	2-1/2"-1823BF
			30	2950	33	78	3"-1824F
	80	185	25	2950	24	88	2-1/2"-1823BF
			40	2950	36	84	3"-1824F
	85	196	25	2950	26	94	2-1/2"-1823BF
			40	2950	39	88	3"-1824F
	90	208	25	2950	28	98	2-1/2"-1823BF
			40	2950	42	94	3"-1824F
	95	219	30	2950	31	103	2-1/2"-1823BF
			40	2950	44	99	3"-1824F
	100	231	30	2950	33	108	2-1/2"-1823BF
			40	2950	46	101	3"-1824F
105	242	30	2950	34	112	2-1/2"-1823BF	
		50	2950	50	106	3"-1824F	
110	254	40	2950	37	116	2-1/2"-1823BF	
111	256	40	2950	38	117	2-1/2"-1823BF	
115	265	40	2950	39	121	2-1/2"-1823BF	
		50	2950	52	116	3"-1824F	
120	277	50	2950	54	123	3"-1824F	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
400 GPM	120	277	75	2950	84	128	5"-1823AF
	125	289	100	2950	89	133	5"-1823AF
	130	300	100	2950	94	138	5"-1823AF
	135	312	100	2950	98	143	5"-1823AF
	140	323	100	2950	104	148	5"-1823AF
	145	335	100	2950	109	154	5"-1823AF
	150	347	125	2950	115	159	5"-1823AF
	155	358	125	2950	120	164	5"-1823AF
	160	370	125	2950	124	170	5"-1823AF
	165	381	125	2950	130	175	5"-1823AF
	170	393	125	2950	136	180	5"-1823AF
	175	404	150	2950	142	185	5"-1823AF
	180	416	150	2950	148	191	5"-1823AF
	185	427	150	2950	155	196	5"-1823AF
	190	439	150	2950	161	201	5"-1823AF
	195	450	150	2950	166	206	5"-1823AF
	200	462	150	2950	167	211	5"-1823AF
	205	474	150	2950	168	217	5"-1823AF
	210	485	200	2950	173	222	5"-1823AF
	215	497	200	2950	179	227	5"-1823AF
	220	508	200	2950	185	232	5"-1823AF
	225	520	200	2950	192	238	5"-1823AF
	230	531	200	2950	198	243	5"-1823AF
	235	543	200	2950	204	248	5"-1823AF
	240	554	200	2950	211	253	5"-1823AF
	245	566	200	2950	218	259	5"-1823AF
	250	578	250	2950	227	264	5"-1823AF
255	589	250	2950	249	271	5"-1823AF	
260	601	250	2950	258	276	5"-1823AF	
265	612	250	2950	265	281	5"-1823AF	
270	624	250	2950	273	287	5"-1823AF	
271	626	250	2950	274	288	5"-1823AF	

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
4 5 0 G P M	119	275	75	2950	84	128	5"-1823AF
	120	277	100	2950	85	129	5"-1823AF
	125	289	100	2950	90	134	5"-1823AF
	130	300	100	2950	96	140	5"-1823AF
	135	312	100	2950	99	144	5"-1823AF
	140	323	100	2950	105	150	5"-1823AF
	145	335	100	2950	110	155	5"-1823AF
	150	347	125	2950	116	160	5"-1823AF
	155	358	125	2950	122	165	5"-1823AF
	160	370	125	2950	126	171	5"-1823AF
	165	381	125	2950	132	176	5"-1823AF
	170	393	125	2950	138	181	5"-1823AF
	175	404	150	2950	144	187	5"-1823AF
	180	416	150	2950	150	192	5"-1823AF
	185	427	150	2950	156	197	5"-1823AF
	190	439	150	2950	163	203	5"-1823AF
	195	450	150	2950	167	208	5"-1823AF
	200	462	150	2950	166	213	5"-1823AF
	205	474	200	2950	169	218	5"-1823AF
	210	485	200	2950	174	223	5"-1823AF
	215	497	200	2950	181	228	5"-1823AF
	220	508	200	2950	187	234	5"-1823AF
	225	520	200	2950	193	239	5"-1823AF
	230	531	200	2950	200	244	5"-1823AF
	235	543	200	2950	206	250	5"-1823AF
	240	554	200	2950	213	255	5"-1823AF
	245	566	200	2950	220	260	5"-1823AF
	250	578	250	2950	234	266	5"-1823AF
255	589	250	2950	253	272	5"-1823AF	
260	601	250	2950	260	278	5"-1823AF	
265	612	250	2950	268	283	5"-1823AF	
269	621	250	2950	274	287	5"-1823AF	

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
500 GPM	55	127	25	2950	28	62	4"-1823CF
	60	139	30	2950	35	67	4"-1823CF
	61	141	30	2950	32	69	4"-1823DF
	65	150	30	2950	34	72	4"-1823DF
	70	162	40	2950	37	78	4"-1823DF
	75	173	40	2950	40	82	4"-1823DF
	80	185	40	2950	44	86	4"-1823DF
	83	192	40	2980	43	88	HGT1-100.250/822435
	85	196	50	2950	47	91	4"-1823DF
			40	2980	44	91	HGT1-100.250/822435
	90	208	50	2950	50	95	4"-1823DF
			50	2980	47	96	HGT1-100.250/822435
	95	219	50	2950	54	102	4"-1823DF
			50	2980	50	102	HGT1-100.250/822435
	100	231	50	2950	57	108	4"-1823DF
			50	2980	53	108	HGT1-100.250/822435
	105	242	60	2950	61	112	4"-1823DF
			50	2980	57	113	HGT1-100.250/822435
	110	254	60	2950	65	117	4"-1823DF
			60	2980	61	118	HGT1-100.250/822435
	115	266	60	2950	68	123	4"-1823DF
			60	2980	65	123	HGT1-100.250/822435
	118	273	75	2950	84	128	5"-1823AF
			75	2950	71	126	4"-1823DF
	120	277	100	2950	86	130	5"-1823AF
			60	2980	69	128	HGT1-100.250/822435
			75	2950	76	133	4"-1823DF
	125	289	100	2950	92	136	5"-1823AF
			75	2980	74	133	HGT1-100.250/822435
			75	2950	80	139	4"-1823DF
	130	300	100	2950	97	141	5"-1823AF
			75	2980	79	138	HGT1-100.250/822435
75			2950	83	143	4"-1823DF	
134	310	75	2950	83	143	4"-1823DF	
135	312	100	2950	101	146	5"-1823AF	
		75	2980	84	143	HGT1-100.250/822435	
140	323	100	2950	106	151	5"-1823AF	
		100	2980	89	150	HGT1-100.250/822435	
143	330	100	2980	92	150	HGT1-100.250/822435	
145	335	100	2950	112	156	5"-1823AF	
		150	2960	153	148	HGT1-125.315/823247	
150	347	125	2950	118	162	5"-1823AF	
		150	2960	159	153	HGT1-125.315/823247	
155	358	125	2950	123	167	5"-1823AF	
		150	2960	166	157	HGT1-125.315/823247	
157	363	100	2950	104	175	6"-2876AF	

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
500 GPM	160	369	100	2950	110	180	6"-2876AF
			125	2950	127	172	5"-1823AF
			200	2960	173	162	HGT1-125.315/823247
	165	381	100	2950	112	185	6"-2876AF
			125	2950	133	177	5"-1823AF
			200	2960	180	167	HGT1-125.315/823247
	170	392	125	2950	116	190	6"-2876AF
			125	2950	139	183	5"-1823AF
			200	2960	187	173	HGT1-125.315/823247
	175	404	125	2950	119	194	6"-2876AF
			150	2950	146	188	5"-1823AF
			200	2960	195	178	HGT1-125.315/823247
	180	415	125	2950	122	199	6"-2876AF
			150	2950	152	193	5"-1823AF
			200	2960	201	182	HGT1-125.315/823247
	185	427	125	2950	126	204	6"-2876AF
			150	2950	158	199	5"-1823AF
			200	2960	209	187	HGT1-125.315/823247
	188	434	125	2950	130	204	6"-2876AF
	190	439	125	2950	133	208	6"-2876AF
			150	2950	164	204	5"-1823AF
			200	2960	218	193	HGT1-125.315/823247
	195	450	100	2950	109	250	5"-1924F
			150	2950	167	209	5"-1823AF
			200	2960	224	197	HGT1-125.315/823247
	200	462	100	2950	112	256	5"-1924F
			150	2950	166	214	5"-1823AF
			250	2960	233	203	HGT1-125.315/823247
	205	473	100	2950	115	261	5"-1924F
			200	2950	170	219	5"-1823AF
			250	2960	240	207	HGT1-125.315/823247
	210	485	125	2950	119	267	5"-1924F
			200	2950	176	225	5"-1823AF
			250	2960	249	213	HGT1-125.315/823247
	215	497	125	2950	123	272	5"-1924F
			200	2950	182	230	5"-1823AF
	220	508	200	2950	189	235	5"-1823AF
	225	520	125	2950	125	286	5"-1924F
			200	2950	195	241	5"-1823AF
	230	531	200	2950	202	246	5"-1823AF
	235	543	125	2950	142	297	5"-1924F
			200	2950	208	251	5"-1823AF
240	554	200	2950	215	257	5"-1823AF	
243	562	250	2950	261	255	6"1923F	
245	566	150	2950	146	302	5"-1924F	
		250	2950	263	258	6"1923F	
		200	2950	222	262	5"-1823AF	
250	578	250	2950	267	263	6"1923F	
		250	2950	241	268	5"-1823AF	
255	589	150	2950	157	315	5"-1924F	
		250	2950	272	268	6"1923F	
		250	2950	255	274	5"-1823AF	
260	602	250	2950	277	273	6"1923F	
		250	2950	262	279	5"-1823AF	
265	612	150	2950	164	320	5"-1924F	
		250	2950	281	279	6"1923F	
		250	2950	270	285	5"-1823AF	
267	617	250	2950	273	287	5"-1823AF	
270	623	250	2950	284	286	6"1923F	
275	635	150	2950	170	333	5"-1924F	
		250	2950	285	291	6"1923F	

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
500 GPM	280	648	250	2950	287	294	6"1923F
	285	658	200	2950	176	340	5"-1924F
			300	2950	295	300	6"1923F
	290	670	300	2950	302	305	6"1923F
	295	681	200	2950	182	350	5"-1924F
			300	2950	307	310	6"1923F
	300	692	300	2950	312	314	6"1923F
	305	704	200	2950	189	360	5"-1924F
			300	2950	316	318	6"1923F
	310	716	300	2950	320	321	6"1923F
	315	728	200	2950	197	370	5"-1924F
			300	2950	323	325	6"1923F
	320	739	200	2950	210	375	5"-1924F
			300	2950	327	333	6"1923F
	325	751	300	2950	331	340	6"1923F
	330	761	300	2950	335	347	6"1923F
	335	773	300	2950	338	353	6"1923F
	340	785	300	2950	342	359	6"1923F
	345	796	300	2950	345	363	6"1923F
	350	808	350	2950	353	369	6"1923F
	355	819	350	2950	360	373	6"1923F
	360	831	350	2950	367	378	6"1923F
	365	843	350	2950	372	382	6"1923F
	370	855	350	2950	377	385	6"1923F
	375	867	350	2950	382	395	6"1923F
	380	879	350	2950	387	400	6"1923F
	385	889	350	2950	396	405	6"1923F
	390	900	350	2950	400	409	6"1923F
	395	913	350	2950	401	413	6"1923F
	400	924	350	2950	402	418	6"1923F
405	936	400	2950	410	425	6"1923F	
410	947	400	2950	418	430	6"1923F	
415	959	400	2950	426	435	6"1923F	
420	970	400	2950	431	440	6"1923F	
425	982	400	2950	436	444	6"1923F	
430	994	400	2950	442	448	6"1923F	
431	996	400	2950	443	449	6"1923F	

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
750 GPM	66	153	40	2950	46	88	4"-2873AF
	70	162	50	2950	52	91	4"-2873AF
	80	185	50	1480	58	89	6"-1922AF
	85	196	60	1480	64	94	6"-1922AF
	90	208	60	1480	69	99	6"-1922AF
	95	219	75	1480	76	104	6"-1922AF
	96	222	75	2950	72	115	4"-2876AF
	100	231	75	1480	82	109	6"-1922AF
			75	2950	74	120	4"-2876AF
			75	2960	73	115	HGT1-100.250/821496
	105	242	100	1480	88	114	6"-1922AF
			75	2950	84	124	4"-2876AF
			75	2950	82	118	5"-1822CF
			75	2960	78	120	HGT1-100.250/821496
	110	254	100	2960	94	109	HGT1-125.315/823267
			100	1480	94	118	6"-1922AF
			100	2950	87	129	4"-2876AF
			75	2950	86	125	5"-1822CF
	113	261	75	2960	83	125	HGT1-100.250/821496
			100	2960	99	113	HGT1-125.315/823267
			100	1480	87	131	5"-1823AF
	115	265	100	1480	100	123	6"-1922AF
			100	2950	90	136	4"-2876AF
			100	2950	94	130	5"-1822CF
			100	2950	90	134	5"-1823AF
			100	2960	88	129	HGT1-100.250/821496
	120	277	100	2960	105	118	HGT1-125.315/823267
			100	1480	106	128	6"-1922AF
			100	2950	94	140	4"-2876AF
			100	2950	97	135	5"-1822CF
			100	2950	96	139	5"-1823AF
	123	284	100	2960	94	134	HGT1-100.250/821496
			100	2960	111	122	HGT1-125.315/823267
			75	2950	86	152	4"-2876CF
			100	1480	112	133	6"-1922AF
			100	2950	97	145	4"-2876AF
	125	289	100	2950	88	154	4"-2876CF
			100	2950	103	137	5"-1822CF
			100	2950	98	143	5"-1823AF
			100	2960	100	139	HGT1-100.250/821496
			125	2960	117	126	HGT1-125.315/823267
			125	1480	118	137	6"-1922AF
	130	300	100	2950	101	150	4"-2876AF
			100	2950	94	159	4"-2876CF
			100	2950	107	141	5"-1822CF
			100	2950	103	148	5"-1823AF
			100	2960	106	144	HGT1-100.250/821496
			125	2960	123	131	HGT1-125.315/823267
	133	307	100	2950	98	164	4"-2876CF
	135	312	125	1480	124	142	6"-1922AF
100			2950	104	155	4"-2876AF	
100			2950	100	164	4"-2876CF	
100			2950	115	145	5"-1822CF	
140	323	100	2950	109	154	5"-1823AF	
		125	1480	130	147	6"-1922AF	
		100	2950	107	160	4"-2876AF	
		100	2950	103	169	4"-2876CF	
		125	2950	119	150	5"-1822CF	
		125	2950	116	160	5"-1823AF	
142	328	150	2960	150	145	HGT1-125.315/823247	
142	328	125	2950	118	180	6"-2876AF	

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
750 GPM	145	335	125	1480	137	151	6"-1922AF
			100	2950	112	164	4"-2876AF
			125	2950	128	154	5"-1822CF
			125	2950	121	185	6"-2876AF
			125	2950	122	165	5"-1823AF
			150	2960	156	150	HGT1-125.315/823247
	148	342	125	2950	116	164	4"-2876AF
	149	344	125	2950	120	165	4"-2876AF
			125	2950	136	156	5"-1822CF
	150	347	125	1480	143	156	6"-1922AF
			125	2950	125	166	4"-2876AF
			125	2950	138	158	5"-1822CF
			125	2950	123	190	6"-2876AF
			125	2950	124	169	5"-1823AF
			150	2960	162	155	HGT1-125.315/823247
	154	356	125	2950	143	162	5"-1822CF
	155	358	150	1480	150	161	6"-1922AF
			125	2950	126	196	6"-2876AF
			125	2950	131	175	5"-1823AF
			150	2960	169	160	HGT1-125.315/823247
	160	369	150	1480	156	166	6"-1922AF
			125	2950	129	201	6"-2876AF
			125	2950	137	181	5"-1823AF
			200	2960	176	165	HGT1-125.315/823247
	165	381	150	1480	163	171	6"-1922AF
			125	2950	133	205	6"-2876AF
			150	2950	143	186	5"-1823AF
			200	2960	184	170	HGT1-125.315/823247
	170	392	150	1480	168	176	6"-1922AF
			125	2950	136	209	6"-2876AF
			150	2950	150	192	5"-1823AF
			200	2960	191	175	HGT1-125.315/823247
	175	404	200	1480	176	181	6"-1922AF
			125	2950	139	213	6"-2876AF
			150	2950	156	197	5"-1823AF
			200	2960	199	181	HGT1-125.315/823247
	180	416	150	2950	163	203	5"-1823AF
			200	2960	205	185	HGT1-125.315/823247
	185	427	150	2950	167	208	5"-1823AF
			200	2960	213	190	HGT1-125.315/823247
	190	439	150	2950	166	212	5"-1823AF
			200	2960	222	196	HGT1-125.315/823247
	195	450	150	2950	168	217	5"-1823AF
			200	2960	229	200	HGT1-125.315/823247
	196	453	150	2950	152	269	6"-1924F
			150	2950	154	274	6"-1924F
	200	462	200	2950	173	222	5"-1823AF
			250	2960	238	206	HGT1-125.315/823247
			200	2950	180	228	5"-1823AF
	205	474	250	2960	245	210	HGT1-125.315/823247
150			2950	156	278	6"-1924F	
206	474	150	2950	156	278	6"-1924F	
208	476	150	2950	158	280	6"-1924F	
210	485	150	2950	160	282	6"-1924F	
210	485	200	2950	187	233	5"-1823AF	
210	485	250	2960	254	216	HGT1-125.315/823247	
215	497	150	2950	162	286	6"-1924F	
215	497	200	2950	193	239	5"-1823AF	
220	508	150	2950	164	290	6"-1924F	
220	508	200	2950	200	244	5"-1823AF	
225	520	150	2950	167	294	6"-1924F	
225	520	200	2950	207	250	5"-1823AF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
750 GPM	230	531	200	2950	174	298	6"-1924F
			200	2950	214	256	5"-1823AF
	235	543	200	2950	180	302	6"-1924F
			200	2950	221	261	5"-1823AF
	237	548	250	2950	282	264	6"1923F
	240	554	200	2950	186	306	6"-1924F
			250	2950	286	268	6"1923F
			250	2950	235	266	5"-1823AF
	245	556	200	2950	192	310	6"-1924F
			300	2950	290	273	6"1923F
			250	2950	251	272	5"-1823AF
	247	571	250	2950	253	268	6"-1923BF
	250	578	300	2950	295	278	6"1923F
			250	2950	256	270	6"-1923BF
			250	2950	259	277	5"-1823AF
	255	589	200	2950	200	318	6"-1924F
			300	2950	301	283	6"1923F
			250	2950	261	275	6"-1923BF
			250	2950	267	283	5"-1823AF
	257	594	250	2950	270	285	5"-1823AF
	260	602	300	2950	306	288	6"1923F
			250	2950	266	280	6"-1923BF
	265	612	200	2950	212	325	6"-1924F
			300	2950	312	292	6"1923F
			250	2950	271	285	6"-1923BF
	270	623	300	2950	317	297	6"1923F
			250	2950	276	290	6"-1923BF
	275	635	200	2950	219	333	6"-1924F
			300	2950	323	302	6"1923F
			250	2950	282	295	6"-1923BF
	280	648	300	2950	328	308	6"1923F
			250	2950	287	300	6"-1923BF
	285	658	200	2950	227	341	6"-1924F
			300	2950	333	314	6"1923F
			300	2950	289	305	6"-1923BF
	290	670	300	2950	339	320	6"1923F
			300	2950	297	310	6"-1923BF
	295	681	250	2950	238	349	6"-1924F
			300	2950	344	323	6"1923F
			300	2950	303	315	6"-1923BF
	300	692	350	2950	350	326	6"1923F
			300	2950	309	320	6"-1923BF
	305	704	250	2950	250	356	6"-1924F
			350	2950	355	332	6"1923F
			300	2950	315	325	6"-1923BF
	310	716	250	2950	257	360	6"-1924F
			350	2950	360	337	6"1923F
			300	2950	321	330	6"-1923BF
315	728	250	2950	263	364	6"-1924F	
		350	2950	366	341	6"1923F	
		300	2950	327	335	6"-1923BF	
320	739	250	2950	270	368	6"-1924F	
		350	2950	378	355	6"1923F	
325	751	300	2950	332	340	6"-1923BF	
		250	2950	276	372	6"-1924F	
		350	2950	380	358	6"1923F	
330	762	300	2950	338	345	6"-1923BF	
		250	2950	283	376	6"-1924F	
		350	2950	383	360	6"1923F	
			300	2950	344	350	6"-1923BF

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
7 5 0 G P M	335	773	300	2950	290	380	6"-1924F
			350	2950	389	364	6"1923F
			350	2950	350	355	6"-1923BF
	340	785	350	2950	394	369	6"1923F
			350	2950	356	360	6"-1923BF
	345	796	350	2950	400	377	6"1923F
			350	2950	362	365	6"-1923BF
	350	808	400	2950	406	382	6"1923F
			350	2950	368	370	6"-1923BF
	355	819	400	2950	412	387	6"1923F
			350	2950	374	375	6"-1923BF
	360	831	400	2950	417	395	6"1923F
			350	2950	380	380	6"-1923BF
	365	843	400	2950	423	400	6"1923F
			350	2950	386	385	6"-1923BF
	368	849	350	2950	388	390	6"-1923BF
			400	2950	429	403	6"1923F
	370	855	350	2950	390	395	6"-1923BF
			400	2950	434	406	6"1923F
	375	867	350	2950	394	400	6"-1923BF
			400	2950	447	410	6"1923F
	380	879	350	2950	400	405	6"-1923BF
			400	2950	453	414	6"1923F
	385	889	400	2950	406	410	6"-1923BF
			400	2950	459	418	6"1923F
	390	900	400	2950	411	415	6"-1923BF
			450	2950	466	421	6"1923F
	395	913	400	2950	417	420	6"-1923BF
			450	2950	472	425	6"1923F
	400	924	400	2950	422	425	6"-1923BF
			450	2950	478	428	6"1923F
	405	936	400	2950	428	430	6"-1923BF
			450	2950	484	431	6"1923F
410	947	400	2950	433	435	6"-1923BF	
		450	2950	490	438	6"1923F	
415	959	400	2950	439	440	6"-1923BF	
		450	2950	496	440	6"1923F	
420	970	400	2950	445	445	6"-1923BF	
		450	2950	497	445	6"1923F	
425	980	400	2950	451	450	6"-1923BF	
430	992	400	2950	454	455	6"-1923BF	
435	1004	400	2950	460	460	6"-1923BF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



FAIRBANKS NIJHUIS™

SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
1000 GPM	81	187	100	1480	108	85	6"-1824CF
	85	196	100	1480	115	90	6"-1824CF
	90	208	125	1480	122	94	6"-1824CF
	93	215	100	2950	90	100	6"-1822HHF
	95	219	125	1480	129	99	6"-1824CF
			100	2950	92	105	6"-1822HHF
			100	2960	92	108	HGT1-125.315/823267
	97	224	75	2950	84	112	5"-1822CF
	100	231	125	1480	136	104	6"-1824CF
			75	2950	86	121	5"-1822CF
			100	2950	99	109	6"-1822HHF
			100	2960	97	112	HGT1-125.315/823267
	102	236	100	2950	108	117	6"-1823HHF
	103	238	100	2950	89	132	5"-1823AF
	105	242	125	1480	143	110	6"-1824CF
			100	2950	90	123	5"-1822CF
			100	2950	105	113	6"-1822HHF
			100	2950	113	121	6"-1823HHF
			100	2950	91	135	5"-1823AF
			100	2960	103	116	HGT1-125.315/823267
	108	250	150	1480	147	112	6"-1824CF
	110	254	100	2950	98	126	5"-1822CF
			100	2950	112	117	6"-1822HHF
			125	2950	117	125	6"-1823HHF
			100	2950	97	141	5"-1823AF
			100	2960	109	121	HGT1-125.315/823267
	115	265	100	2950	102	132	5"-1822CF
			100	2950	115	122	6"-1822HHF
			125	2950	123	130	6"-1823HHF
			100	2950	99	143	5"-1823AF
			100	2960	114	124	HGT1-125.315/823267
	120	277	100	2950	108	137	5"-1822CF
			125	2950	123	127	6"-1822HHF
			125	2950	131	133	6"-1823HHF
			100	2950	104	149	5"-1823AF
			125	2960	120	129	HGT1-125.315/823267
	125	289	100	2950	115	142	5"-1822CF
			125	2950	130	132	6"-1822HHF
			125	2950	137	136	6"-1823HHF
			100	2950	111	155	5"-1823AF
			125	2960	127	133	HGT1-125.315/823267
	130	300	125	2950	122	147	5"-1822CF
			125	2950	136	137	6"-1822HHF
			125	2950	141	139	6"-1823HHF
			125	2950	117	161	5"-1823AF
	135	312	125	2950	129	150	5"-1822CF
150			2950	144	142	6"-1822HHF	
150			2950	145	145	6"-1823HHF	
125			2950	123	166	5"-1823AF	
150			2960	152	145	HGT1-125.315/823247	
140	323	125	2950	135	155	5"-1822CF	
		150	2950	150	147	6"-1822HHF	
		150	2950	151	149	6"-1823HHF	
		125	2950	124	170	5"-1823AF	
143	330	150	2960	157	150	HGT1-125.315/823247	
		125	2950	137	156	5"-1822CF	
		125	2950	141	158	5"-1822CF	
145	335	150	2950	156	153	6"-1822HHF	
		150	2950	159	153	6"-1823HHF	
		125	2950	131	176	5"-1823AF	
		150	2960	163	155	HGT1-125.315/823247	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
1000 GPM	149	344	150	2950	165	159	6"-1822HHF
	150	347	150	2950	166	156	6"-1823HHF
			150	2950	170	161	6"-1822HHF
			125	2950	138	182	5"-1823AF
			150	2960	169	160	HGT1-125.315/823247
	155	358	200	2950	176	159	6"-1823HHF
			150	2950	145	188	5"-1823AF
			200	2960	176	165	HGT1-125.315/823247
	160	369	200	2950	180	162	6"-1823HHF
			150	2950	152	194	5"-1823AF
			200	2960	184	170	HGT1-125.315/823247
	165	381	200	2950	188	167	6"-1823HHF
			150	2950	159	200	5"-1823AF
			200	2960	191	176	HGT1-125.315/823247
	170	393	200	2950	195	172	6"-1823HHF
			150	2950	165	205	5"-1823AF
			200	2960	199	181	HGT1-125.315/823247
	175	404	200	2950	201	178	6"-1823HHF
			150	2950	167	209	5"-1823AF
			200	2960	207	186	HGT1-125.315/823247
	180	415	200	2950	210	183	6"-1823HHF
			150	2950	166	213	5"-1823AF
			200	2960	213	191	HGT1-125.315/823247
	185	427	200	2950	226	189	6"-1823HHF
			150	2950	168	217	5"-1823AF
			200	2960	222	196	HGT1-125.315/823247
	190	439	250	2950	231	194	6"-1823HHF
			200	2950	173	222	5"-1823AF
			200	2960	229	201	HGT1-125.315/823247
	195	450	250	2950	238	200	6"-1823HHF
			200	2950	180	228	5"-1823AF
			250	2960	238	206	HGT1-125.315/823247
	200	462	250	2950	243	205	6"-1823HHF
			200	2950	187	234	5"-1823AF
			250	2960	245	212	HGT1-125.315/823247
	205	474	250	2950	250	210	6"-1823HHF
			200	2950	194	240	5"-1823AF
			250	2960	254	216	HGT1-125.315/823247
	210	485	250	2950	255	215	6"-1823HHF
			200	2950	201	246	5"-1823AF
			250	2950	263	219	6"-1823HHF
	215	497	200	2950	209	251	5"-1823AF
			250	2950	273	224	6"-1823HHF
			200	2950	216	257	5"-1823AF
	220	508	250	2950	280	229	6"-1823HHF
			200	2950	224	263	5"-1823AF
	225	520	300	2950	299	277	6"1923F
			300	2950	290	234	6"-1823HHF
230	531	300	2950	301	271	6"1923F	
		250	2950	237	267	5"-1823AF	
		250	2950	255	259	6"-1923BF	
234	541	300	2950	300	238	6"-1823HHF	
		300	2950	307	276	6"1923F	
235	543	250	2950	259	263	6"-1923BF	
		250	2950	251	271	5"-1823AF	
		300	2950	310	241	6"-1823HHF	
240	555	300	2950	314	280	6"1923F	
		250	2950	269	270	6"-1923BF	
		250	2950	259	277	5"-1823AF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1000 GPM	245	566	300	2950	320	245	6"-1823HHF
			300	2950	320	285	6"1923F
			250	2950	273	274	6"-1923BF
			250	2950	267	283	5"-1823AF
	247	571	250	2950	270	285	5"-1823AF
	250	578	300	2950	325	250	6"-1823HHF
			300	2950	326	290	6"1923F
			250	2950	283	279	6"-1923BF
	255	589	300	2950	334	255	6"-1823HHF
			300	2950	332	295	6"1923F
			300	2950	288	284	6"-1923BF
	257	594	300	2950	345	258	6"-1823HHF
	260	601	350	2950	350	260	6"-1823HHF
			300	2950	339	300	6"1923F
			300	2950	298	290	6"-1923BF
	265	612	300	2950	345	304	6"1923F
			300	2950	304	294	6"-1923BF
	270	624	350	2950	351	309	6"1923F
			300	2950	314	299	6"-1923BF
	275	635	350	2950	358	314	6"1923F
			300	2950	320	303	6"-1923BF
	280	647	350	2950	364	319	6"1923F
			300	2950	330	310	6"-1923BF
	285	658	350	2950	370	323	6"1923F
			300	2950	336	315	6"-1923BF
	290	670	350	2950	377	328	6"1923F
			300	2950	341	320	6"-1923BF
	295	681	350	2950	383	333	6"1923F
			350	2950	352	325	6"-1923BF
	300	693	350	2950	390	338	6"1923F
			350	2950	357	330	6"-1923BF
	305	705	350	2950	396	343	6"1923F
			350	2950	368	336	6"-1923BF
	310	716	350	2950	403	347	6"1923F
			350	2950	373	340	6"-1923BF
	315	728	400	2950	410	354	6"1923F
			350	2950	379	344	6"-1923BF
	320	739	400	2950	416	360	6"1923F
			350	2950	390	353	6"-1923BF
	325	751	400	2950	423	366	6"1923F
			350	2950	395	356	6"-1923BF
	330	762	400	2950	429	370	6"1923F
			350	2950	400	360	6"-1923BF
	335	774	400	2950	436	375	6"1923F
			400	2950	405	366	6"-1923BF
	340	785	400	2950	443	382	6"1923F
			400	2950	411	372	6"-1923BF
	345	797	400	2950	449	387	6"1923F
400			2950	416	378	6"-1923BF	
350	809	400	2950	455	392	6"1923F	
		400	2950	418	382	6"-1923BF	
355	820	450	2950	463	398	6"1923F	
360	832	450	2950	470	403	6"1923F	
		400	2950	422	395	6"-1923BF	
365	843	450	2950	477	408	6"1923F	
		400	2950	424	400	6"-1923BF	
370	855	450	2950	485	413	6"1923F	
		400	2950	430	405	6"-1923BF	
375	866	450	2950	491	420	6"1923F	
		400	2950	437	410	6"-1923BF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1 0 0 0 G P M	380	878	450	2950	498	423	6"1923F
			400	2950	443	415	6"-1923BF
	385	889	450	2950	506	428	6"1923F
			400	2950	449	420	6"-1923BF
	390	901	450	2950	512	434	6"1923F
			400	2950	455	425	6"-1923BF
	395	912	500	2950	519	439	6"1923F
			450	2950	461	430	6"-1923BF
	400	924	500	2950	526	444	6"1923F
			450	2950	467	435	6"-1923BF
	405	936	500	2950	534	449	6"1923F
			450	2950	474	440	6"-1923BF
	410	946	450	2950	480	445	6"-1923BF
	415	957	450	2950	486	450	6"-1923BF
	420	969	450	2950	492	455	6"-1923BF
	425	980	450	2950	499	460	6"-1923BF

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1 2 5 0 G P M	78	180	100	1480	108	85	6"-1824CF
	80	185	100	1480	110	88	6"-1824CF
	85	196	125	1480	118	92	6"-1824CF
	90	208	125	1480	125	97	6"-1824CF
			125	1480	135	93	8"-1825F
	95	219	125	1480	132	101	6"-1824CF
			150	1480	149	99	8"-1825F
	98	226	100	2950	107	112	6"-1822HHF
	100	231	125	1480	139	106	6"-1824CF
			150	1480	163	105	8"-1825F
			100	2950	110	116	6"-1822HHF
			125	2960	120	122	HGT1-150.315/823340
	101	233	150	1480	149	107	HGT1-200.500A/836297
	105	243	150	1480	145	111	6"-1824CF
			200	1480	176	110	8"-1825F
			150	1480	156	110	HGT1-200.500A/836297
			125	2950	117	120	6"-1822HHF
			125	2960	127	127	HGT1-150.315/823340
	110	254	200	1480	191	114	8"-1825F
			150	1480	166	115	HGT1-200.500A/836297
			125	2950	123	124	6"-1822HHF
			125	2950	128	128	6"-1823HHF
			125	2960	134	133	HGT1-150.315/823340
	115	265	200	1480	205	120	8"-1825F
			200	1480	177	120	HGT1-200.500A/836297
			125	2950	130	128	6"-1822HHF
			125	2950	134	131	6"-1823HHF
	120	277	125	2960	143	137	HGT1-150.315/823340
			200	1480	219	125	8"-1825F
			200	1480	187	125	HGT1-200.500A/836297
			125	2950	137	133	6"-1822HHF
	121	280	125	2950	142	134	6"-1823HHF
			150	2960	153	144	HGT1-150.315/823340
150			2960	155	144	HGT1-150.315/823340	
125	289	250	1480	233	131	8"-1825F	
		200	1480	200	130	HGT1-200.500A/836297	
		150	2950	146	137	6"-1822HHF	
		150	2950	151	137	6"-1823HHF	
130	300	250	1480	247	136	8"-1825F	
		200	1480	212	135	HGT1-200.500A/836297	
		150	2950	151	142	6"-1822HHF	
		150	2950	158	140	6"-1823HHF	
135	312	250	1480	261	141	8"-1825F	
		200	1480	225	140	HGT1-200.500A/836297	
		150	2950	160	148	6"-1822HHF	
		150	2950	164	145	6"-1823HHF	
140	323	250	1480	275	146	8"-1825F	
		250	1480	239	144	HGT1-200.500A/836297	
		150	2950	167	153	6"-1822HHF	
145	335	150	2950	171	150	6"-1823HHF	
		250	1480	254	150	HGT1-200.500A/836297	
		200	2950	176	158	6"-1822HHF	
150	347	200	2950	177	155	6"-1823HHF	
		250	1480	269	155	HGT1-200.500A/836297	
155	358	200	2950	185	160	6"-1823HHF	
		250	1480	284	159	HGT1-200.500A/836297	
160	370	200	2950	193	165	6"-1823HHF	
		200	2950	202	170	6"-1823HHF	
165	381	200	2950	210	175	6"-1823HHF	
170	393	200	2950	220	180	6"-1823HHF	
175	404	250	2950	231	184	6"-1823HHF	
180	416	250	2950	240	189	6"-1823HHF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
1 2 5 0 G P M	185	427	250	2950	246	194	6"-1823HHF
	190	439	250	2950	255	198	6"-1823HHF
	195	450	250	2950	260	203	6"-1823HHF
	200	462	250	2950	266	207	6"-1823HHF
	205	474	250	2950	274	211	6"-1823HHF
	210	485	250	2950	283	217	6"-1823HHF
	215	497	300	2950	295	222	6"-1823HHF
			300	2950	300	275	6"1923F
	219	506	300	2950	306	280	6"1923F
	220	508	300	2950	301	228	6"-1823HHF
	224	517	300	2950	312	285	6"1923F
	225	520	300	2950	313	232	6"-1823HHF
	230	531	300	2950	318	237	6"-1823HHF
			300	2950	322	292	6"1923F
	234	541	300	2950	335	293	6"1923F
	235	543	300	2950	330	241	6"-1823HHF
	239	552	300	2950	340	301	6"1923F
	240	554	300	2950	338	245	6"-1823HHF
	244	564	350	2950	351	306	6"1923F
	245	566	350	2950	349	250	6"-1823HHF
	249	575	350	2950	358	311	6"1923F
	250	578	350	2950	359	255	6"-1823HHF
	254	587	350	2950	363	316	6"1923F
	255	589	350	2950	372	260	6"-1823HHF
	259	598	350	2950	368	321	6"1923F
			300	2950	320	303	6"-1923BF
	260	601	350	2950	382	265	6"-1823HHF
			300	2950	325	306	6"-1923BF
	265	612	350	2950	374	327	6"1923F
			300	2950	330	310	6"-1923BF
	269	621	350	2950	381	331	6"1923F
	270	624	300	2950	336	315	6"-1923BF
	275	635	350	2950	388	338	6"1923F
			300	2950	341	320	6"-1923BF
	280	647	350	2950	396	342	6"1923F
			350	2950	352	325	6"-1923BF
	284	656	400	2950	413	346	6"1923F
	285	658	350	2950	357	330	6"-1923BF
	290	670	400	2950	420	353	6"1923F
			350	2950	363	335	6"-1923BF
295	681	400	2950	427	358	6"1923F	
		350	2950	373	340	6"-1923BF	
300	693	400	2950	435	363	6"1923F	
		350	2950	379	344	6"-1923BF	
305	705	400	2950	442	368	6"1923F	
		350	2950	384	348	6"-1923BF	
310	716	400	2950	450	374	6"1923F	
		350	2950	390	353	6"-1923BF	
315	728	400	2950	457	379	6"1923F	
		350	2950	400	360	6"-1923BF	
320	739	450	2950	465	384	6"1923F	
		400	2950	405	366	6"-1923BF	
325	751	450	2950	472	389	6"1923F	
		400	2950	411	372	6"-1923BF	
329	760	450	2950	480	393	6"1923F	
330	762	400	2950	421	378	6"-1923BF	
335	774	450	2950	481	400	6"1923F	
		400	2950	426	382	6"-1923BF	
339	782	400	2950	429	385	6"-1923BF	
340	785	450	2950	489	405	6"1923F	
		400	2950	431	390	6"-1923BF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1 2 5 0 G P M	345	797	450	2950	502	411	6"1923F
			400	2950	437	395	6"-1923BF
	350	809	450	2950	504	416	6"1923F
			400	2950	443	400	6"-1923BF
	355	820	450	2950	511	421	6"1923F
			400	2950	450	405	6"-1923BF
	360	832	500	2950	518	426	6"1923F
			400	2950	456	410	6"-1923BF
	365	843	500	2950	525	432	6"1923F
			450	2950	463	415	6"-1923BF
	370	855	500	2950	533	437	6"1923F
			450	2950	470	420	6"-1923BF
	375	866	500	2950	540	442	6"1923F
			450	2950	476	425	6"-1923BF
	380	878	500	2950	548	447	6"1923F
			450	2950	483	430	6"-1923BF
	385	889	500	2950	556	453	6"1923F
			450	2950	490	435	6"-1923BF
	389	900	500	2950	563	458	6"1923F
	390	901	500	2950	570	458	6"1923F
450			2950	496	440	6"-1923BF	
395	911	450	2950	503	445	6"-1923BF	
400	923	450	2950	510	450	6"-1923BF	
405	934	450	2950	516	455	6"-1923BF	
410	946	500	2950	523	460	6"-1923BF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
1500 GPM	75	173	100	1480	115	86	6"-1824CF
	80	185	125	1480	120	90	6"-1824CF
	85	196	125	1480	129	96	6"-1824CF
	88	203	125	1480	140	96	8"-1825F
	90	208	125	1480	137	101	6"-1824CF
			125	1480	143	101	8"-1825F
	95	219	125	1480	143	105	6"-1824CF
			150	1480	155	104	8"-1825F
	98	226	150	1480	149	107	HGT1-200.500A/836297
			150	1480	150	110	6"-1824CF
	100	231	150	1480	170	108	8"-1825F
			150	1480	152	108	HGT1-200.500A/836297
			150	1480	157	112	6"-1824CF
	103	238	150	1480	157	112	6"-1824CF
			200	1480	197	113	8"-1825F
	105	242	150	1480	162	113	HGT1-200.500A/836297
			150	2960	149	122	HGT1-150.315/823366
			200	1480	210	118	8"-1825F
	110	254	150	1480	172	118	HGT1-200.500A/836297
			150	2960	159	128	HGT1-150.315/823366
			200	1480	220	123	8"-1825F
	115	265	200	1480	182	123	HGT1-200.500A/836297
			150	2960	167	133	HGT1-150.315/823366
			200	1480	230	127	8"-1825F
	120	277	200	1480	195	128	HGT1-200.500A/836297
			200	2960	175	137	HGT1-150.315/823366
			150	2950	154	143	6"-1822HHF
	125	289	250	1480	250	132	8"-1825F
			200	1480	207	133	HGT1-200.500A/836297
			150	2950	159	147	6"-1822HHF
			200	2960	186	144	HGT1-150.315/823366
	130	300	250	1480	269	136	8"-1825F
			200	1480	219	137	HGT1-200.500A/836297
			150	2950	169	151	6"-1822HHF
			200	2960	184	155	HGT1-150.315/822225
			200	2960	196	149	HGT1-150.315/823366
	135	312	250	1480	280	142	8"-1825F
			250	1480	233	142	HGT1-200.500A/836297
			200	2950	177	155	6"-1822HHF
			200	2960	195	160	HGT1-150.315/822225
137	317	200	2960	206	154	HGT1-150.315/823366	
		200	2950	186	159	6"-1822HHF	
		250	1480	287	147	8"-1825F	
140	323	250	1480	247	147	HGT1-200.500A/836297	
		200	2960	206	164	HGT1-150.315/822225	
		250	1480	261	152	HGT1-200.500A/836297	
145	335	200	2960	218	169	HGT1-150.315/822225	
		250	1480	278	159	HGT1-200.500A/836297	
150	347	250	2960	230	174	HGT1-150.315/822225	
		250	1480	284	159	HGT1-200.500A/836297	
152	351	250	1480	284	159	HGT1-200.500A/836297	
153	353	200	2950	205	169	6"-1823HHF	
155	358	200	2950	218	173	6"-1823HHF	
		250	2960	247	180	HGT1-150.315/822225	
160	369	250	2950	231	177	6"-1823HHF	
165	381	250	2950	234	181	6"-1823HHF	
170	393	250	2950	244	186	6"-1823HHF	
175	404	250	2950	259	190	6"-1823HHF	
180	415	250	2950	268	194	6"-1823HHF	
185	427	250	2950	272	200	6"-1823HHF	
190	439	250	2950	287	205	6"-1823HHF	
195	450	300	2950	296	210	6"-1823HHF	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1 5 0 0 G P M	200	462	300	2950	306	215	6"-1823HHF
	205	474	300	2950	318	219	6"-1823HHF
	210	485	300	2950	328	224	6"-1823HHF
	215	497	300	2950	334	228	6"-1823HHF
	220	508	350	2950	346	232	6"-1823HHF
	225	520	350	2950	350	237	6"-1823HHF
	230	531	350	2950	360	241	6"-1823HHF
	235	543	350	2950	375	245	6"-1823HHF
	240	554	350	2950	383	251	6"-1823HHF
	245	567	350	2950	395	256	6"-1823HHF
	250	578	400	2950	410	261	6"-1823HHF
	255	589	400	2950	420	266	6"-1823HHF
	336	775	500	2950	530	416	6"1923F
	340	786	500	2950	541	423	6"1923F
	345	797	500	2950	548	429	6"1923F
	350	809	500	2950	557	435	6"1923F
	355	820	500	2950	564	441	6"1923F
	360	833	500	2950	573	447	6"1923F
	365	844	600	2950	581	452	6"1923F
	370	855	600	2950	598	458	6"1923F
372	859	600	2950	603	461	6"1923F	
375	866	600	2950	610	464	6"1923F	
379	875	600	2950	630	469	6"1923F	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



FAIRBANKS NIJHUIS™

SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
2000 GPM	52	120	100	1480	98	62	8"-1824BF
	55	127	100	1480	105	66	8"-1824BF
	56	129	100	1480	91	70	HGT1-200.400/836401
	60	138	100	1480	115	70	8"-1824BF
			100	1480	100	73	HGT1-200.400/836401
	65	150	125	1480	125	77	8"-1824BF
			100	1480	112	78	HGT1-200.400/836401
	70	161	125	1480	135	82	8"-1824BF
			125	1480	124	82	HGT1-200.400/836401
	75	173	150	1480	148	87	8"-1824BF
			125	1480	137	86	HGT1-200.400/836401
	80	185	150	1480	158	91	8"-1824BF
			150	1480	152	91	HGT1-200.400/836401
	85	196	150	1480	168	100	8"-1824BF
			150	1480	168	96	HGT1-200.400/836401
	90	208	200	1480	175	107	8"-1824BF
			150	1480	164	103	8"-1825F
			200	1480	185	102	HGT1-200.400/836401
	95	219	150	1480	172	107	8"-1825F
			200	1480	202	110	HGT1-200.400/836401
	98	226	200	1480	212	110	HGT1-200.400/836401
	100	231	200	1480	187	111	8"-1825F
	101	233	200	1490	207	112	HGT1-200.500B/836298
	105	242	200	1480	201	115	8"-1825F
			200	1490	216	117	HGT1-200.500B/836298
	110	254	200	1480	215	121	8"-1825F
			200	1490	224	121	HGT1-200.500B/836298
	112	259	250	1480	240	122	8"-1826F
	115	265	200	1480	226	126	8"-1825F
			250	1480	248	127	8"-1826F
250			1490	238	126	HGT1-200.500B/836298	
120	277	250	1480	245	131	8"-1825F	
		250	1480	261	131	8"-1826F	
		250	1490	246	130	HGT1-200.500B/836298	
125	289	250	1480	267	135	8"-1825F	
		250	1480	275	135	8"-1826F	
		250	1490	260	135	HGT1-200.500B/836298	
130	300	250	1480	275	140	8"-1825F	
		250	1480	287	139	8"-1826F	
		250	1490	271	140	HGT1-200.500B/836298	
135	312	250	1480	285	146	8"-1825F	
		300	1480	302	143	8"-1826F	
		250	1490	287	144	HGT1-200.500B/836298	
140	323	300	1480	315	149	8"-1826F	
		300	1490	302	149	HGT1-200.500B/836298	
145	335	300	1480	329	154	8"-1826F	
		300	1490	319	154	HGT1-200.500B/836298	
150	347	300	1480	344	159	8"-1826F	
		300	1490	336	159	HGT1-200.500B/836298	
155	358	350	1480	355	164	8"-1826F	
		350	1490	355	164	HGT1-200.500B/836298	
160	370	350	1480	370	170	8"-1826F	
		350	1490	373	170	HGT1-200.500B/836298	
162	374	350	1490	380	170	HGT1-200.500B/836298	
165	381	350	1480	382	176	8"-1826F	
170	393	350	1480	397	181	8"-1826F	
172	397	350	1480	402	187	8"-1826F	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
2500 GPM	63	146	150	1480	158	70	10"-1824DF
	65	150	150	1480	156	73	10"-1824F
			150	1480	163	74	10"-1824DF
	70	162	200	1480	176	76	10"-1824F
			200	1480	180	77	10"-1824DF
	75	173	200	1480	196	83	10"-1824F
			200	1480	200	86	10"-1824DF
	80	185	200	1480	216	87	10"-1824F
			200	1480	220	88	10"-1824DF
	85	196	250	1480	236	92	10"-1824F
			250	1480	236	93	10"-1824DF
			200	1495	209	93	HGT1-250.500/824558
	88	203	200	1490	187	103	HGT1-250.500/836473
			250	1480	256	99	10"-1824F
	90	208	250	1480	253	99	10"-1824DF
			200	1490	191	105	HGT1-250.500/836473
			200	1495	223	98	HGT1-250.500/824558
			250	1480	275	105	10"-1824F
	95	219	250	1480	272	105	10"-1824DF
			200	1490	201	110	HGT1-250.500/836473
			250	1495	239	103	HGT1-250.500/824558
	96	222	250	1480	276	106	10"-1824DF
	100	231	300	1480	292	111	10"-1824F
			200	1480	221	118	8"-1825AF
			200	1490	214	116	HGT1-250.500/836473
			250	1495	256	108	HGT1-250.500/824558
	105	242	250	1480	242	123	8"-1825AF
			200	1490	227	121	HGT1-250.500/836473
			250	1495	272	112	HGT1-250.500/824558
	110	254	250	1480	249	127	8"-1825AF
			250	1490	242	126	HGT1-250.500/836473
			300	1495	290	117	HGT1-250.500/824558
			250	1480	275	135	8"-1826F
	115	266	250	1480	257	132	8"-1825AF
			250	1490	258	131	HGT1-250.500/836473
			300	1495	310	123	HGT1-250.500/824558
			250	1480	272	140	8"-1825AF
	120	277	250	1480	285	140	8"-1826F
			250	1490	273	136	HGT1-250.500/836473
			300	1495	328	127	HGT1-250.500/824558
			250	1490	271	140	HGT1-200.500B/836298
	123	284	250	1490	271	140	HGT1-200.500B/836298
	125	289	250	1480	287	145	8"-1825AF
			300	1480	302	144	8"-1826F
			250	1490	280	142	HGT1-200.500B/836298
			300	1490	290	140	HGT1-250.500/836473
			350	1495	348	132	HGT1-250.500/824558
	130	300	300	1480	318	148	8"-1826F
300			1490	293	146	HGT1-200.500B/836298	
300			1490	308	145	HGT1-250.500/836473	
350			1495	370	138	HGT1-250.500/824558	
135	312	300	1480	335	152	8"-1826F	
		300	1490	309	151	HGT1-200.500B/836298	
		300	1490	328	151	HGT1-250.500/836473	
		350	1495	390	142	HGT1-250.500/824558	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
2 5 0 0 G P M	140	323	350	1480	350	156	8"-1826F
			300	1490	325	156	HGT1-200.500B/836298
			350	1490	347	158	HGT1-250.500/836473
			400	1495	411	147	HGT1-250.500/824558
	142	328	350	1490	354	158	HGT1-250.500/836473
	145	335	350	1480	367	160	8"-1826F
			300	1490	341	160	HGT1-200.500B/836298
	150	347	350	1480	384	167	8"-1826F
			350	1490	360	165	HGT1-200.500B/836298
	155	358	350	1480	400	172	8"-1826F
			350	1490	376	170	HGT1-200.500B/836298
	156	360	350	1490	380	170	HGT1-200.500B/836298
	160	370	400	1480	417	178	8"-1826F
	165	381	400	1480	433	183	8"-1826F
	167	386	400	1480	440	186	8"-1826F

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%.
 Value is used to determine flange rating for the pump.



SELECTION TABLES
Horizontal Split Case
50Hz Electric Motor Driven

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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
3 0 0 0 G P M	61	141	150	1480	161	70	10"-1824DF
	63	145	150	1480	163	72	10"-1824F
	65	150	150	1480	170	75	10"-1824F
			200	1480	176	74	10"-1824DF
	70	162	200	1480	188	81	10"-1824F
			200	1480	194	77	10"-1824DF
	75	173	200	1480	206	86	10"-1824F
			200	1480	220	86	10"-1824DF
	80	185	200	1480	224	90	10"-1824F
			250	1480	239	88	10"-1824DF
	81	187	200	1495	209	93	HGT1-250.500/824558
	83	192	200	1490	187	103	HGT1-250.500/836473
			250	1480	242	95	10"-1824F
	85	196	250	1480	256	94	10"-1824DF
			200	1490	191	105	HGT1-250.500/836473
			200	1495	222	97	HGT1-250.500/824558
			250	1480	261	102	10"-1824F
	90	208	250	1480	276	99	10"-1824DF
			200	1490	202	110	HGT1-250.500/836473
			250	1495	236	102	HGT1-250.500/824558
			250	1480	276	104	10"-1824F
	95	214	250	1480	287	105	10"-1824DF
			200	1490	214	116	HGT1-250.500/836473
			250	1495	253	107	HGT1-250.500/824558
	99	229	300	1480	300	112	10"-1824F
	100	231	200	1490	228	121	HGT1-250.500/836473
			250	1495	269	111	HGT1-250.500/824558
	105	243	250	1490	242	126	HGT1-250.500/836473
			250	1495	286	116	HGT1-250.500/824558
	110	254	250	1490	258	131	HGT1-250.500/836473
			300	1495	304	121	HGT1-250.500/824558
	115	266	250	1490	273	136	HGT1-250.500/836473
300			1495	323	126	HGT1-250.500/824558	
120	277	300	1490	290	140	HGT1-250.500/836473	
		300	1495	341	131	HGT1-250.500/824558	
125	289	300	1490	308	145	HGT1-250.500/836473	
		350	1495	362	136	HGT1-250.500/824558	
130	300	300	1490	328	151	HGT1-250.500/836473	
		350	1495	382	140	HGT1-250.500/824558	
135	312	350	1490	346	158	HGT1-250.500/836473	
		350	1495	402	147	HGT1-250.500/824558	
137	316	350	1490	354	158	HGT1-250.500/836473	
		400	1495	411	147	HGT1-250.500/824558	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%.
 Value is used to determine flange rating for the pump.



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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
3500 GPM	59	136	150	1480	162	70	10"-1824DF
	60	139	150	1480	160	74	10"-1824F
			150	1480	167	74	10"-1824DF
	65	150	200	1480	178	78	10"-1824F
			200	1480	190	77	10"-1824DF
	70	162	200	1480	197	83	10"-1824F
			200	1480	212	86	10"-1824DF
	75	173	200	1480	216	89	10"-1824F
			200	1480	230	88	10"-1824DF
	80	185	250	1480	235	95	10"-1824F
			250	1480	252	94	10"-1824DF
	85	196	250	1480	254	100	10"-1824F
			250	1480	270	96	10"-1824DF
	90	208	250	1480	273	106	10"-1824F
			300	1480	295	102	10"-1824DF
	94	217	300	1480	310	105	10"-1824DF
			300	1480	292	112	10"-1824F
	95	219	300	1485	293	106	HGT1-300.500A/836316
			300	1480	300	113	10"-1824F
	97	223	300	1480	300	113	10"-1824F
	100	231	300	1485	310	111	HGT1-300.500A/836316
	105	243	300	1485	328	115	HGT1-300.500A/836316
	110	254	350	1485	347	120	HGT1-300.500A/836316
	115	266	350	1485	368	125	HGT1-300.500A/836316
	120	277	350	1485	391	130	HGT1-300.500A/836316
	125	289	400	1485	415	136	HGT1-300.500A/836316
	130	300	400	1485	438	141	HGT1-300.500A/836316
	135	312	450	1485	462	146	HGT1-300.500A/836316
	140	323	450	1485	491	151	HGT1-300.500A/836316
	145	335	500	1485	518	157	HGT1-300.500A/836316
146	337	500	1495	545	158	HGT1-300.650/836139	
		500	1485	546	162	HGT1-300.500A/836316	
150	347	500	1495	569	162	HGT1-300.650/836139	
		500	1485	573	168	HGT1-300.500A/836316	
155	358	600	1495	593	167	HGT1-300.650/836139	
		600	1485	579	168	HGT1-300.500A/836316	
156	360	600	1485	579	168	HGT1-300.500A/836316	
160	370	600	1495	619	171	HGT1-300.650/836139	
165	381	600	1495	650	177	HGT1-300.650/836139	
170	393	600	1495	678	182	HGT1-300.650/836139	
175	404	700	1495	708	187	HGT1-300.650/836139	
180	416	700	1495	739	192	HGT1-300.650/836139	
185	427	700	1495	776	198	HGT1-300.650/836139	
190	439	800	1495	809	204	HGT1-300.650/836139	
195	450	800	1495	845	209	HGT1-300.650/836139	
200	462	800	1495	881	215	HGT1-300.650/836139	
205	474	900	1495	921	223	HGT1-300.650/836139	
206	476	900	1495	928	223	HGT1-300.650/836139	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
4000 GPM	63	146	200	1480	218	82	10"-2825AF
	64	148	200	1480	203	80	10"-1824DF
	65	150	200	1480	207	82	10"-1824DF
			200	1480	227	85	10"-2825AF
	70	162	200	1480	226	86	10"-1824DF
			250	1480	248	90	10"-2825AF
	75	173	250	1480	247	88	10"-1824DF
			250	1480	266	95	10"-2825AF
	80	185	250	1480	269	94	10"-1824DF
			250	1480	286	100	10"-2825AF
	85	196	300	1480	288	99	10"-1824DF
			300	1480	307	106	10"-2825AF
	90	208	300	1480	314	105	10"-1824DF
			300	1480	330	111	10"-2825AF
	91	210	300	1485	293	106	HGT1-300.500A/836316
	92	212	300	1480	320	106	10"-1824DF
	95	219	350	1480	358	116	10"-2825AF
			300	1485	306	110	HGT1-300.500A/836316
	100	231	350	1480	375	121	10"-2825AF
			300	1485	324	114	HGT1-300.500A/836316
	105	242	350	1480	395	126	10"-2825AF
			300	1485	343	119	HGT1-300.500A/836316
	110	254	400	1480	420	132	10"-2825AF
			350	1485	362	124	HGT1-300.500A/836316
	115	266	400	1480	460	137	10"-2825AF
			350	1485	386	129	HGT1-300.500A/836316
	120	277	450	1480	489	142	10"-2825AF
			400	1485	407	134	HGT1-300.500A/836316
	125	289	450	1480	517	147	10"-2825AF
			400	1485	432	139	HGT1-300.500A/836316
	130	300	500	1480	541	152	10"-2825AF
			400	1485	456	144	HGT1-300.500A/836316
134	310	500	1480	560	158	10"-2825AF	
135	312	450	1485	481	150	HGT1-300.500A/836316	
140	323	450	1485	508	155	HGT1-300.500A/836316	
142	328	500	1495	545	158	HGT1-300.650/836139	
145	335	500	1485	536	160	HGT1-300.500A/836316	
		500	1495	560	161	HGT1-300.650/836139	
150	347	500	1485	562	168	HGT1-300.500A/836316	
		600	1495	584	165	HGT1-300.650/836139	
153	353	600	1485	579	168	HGT1-300.500A/836316	
155	358	600	1495	609	170	HGT1-300.650/836139	
160	370	600	1495	639	175	HGT1-300.650/836139	
165	381	600	1495	667	180	HGT1-300.650/836139	
170	393	700	1495	696	185	HGT1-300.650/836139	
175	404	700	1495	727	190	HGT1-300.650/836139	
180	416	700	1495	759	195	HGT1-300.650/836139	
185	427	700	1495	792	201	HGT1-300.650/836139	
190	439	800	1495	827	207	HGT1-300.650/836139	
195	450	800	1495	867	213	HGT1-300.650/836139	
200	462	800	1495	901	223	HGT1-300.650/836139	
204	471	900	1495	928	223	HGT1-300.650/836139	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
4 5 0 0 G P M	75	173	250	1480	277	96	10"-2825AF
	80	185	300	1480	298	101	10"-2825AF
	85	196	300	1480	318	106	10"-2825AF
	90	208	300	1480	343	111	10"-2825AF
	95	219	350	1480	369	116	10"-2825AF
	98	226	350	1495	350	120	HGT1-300.500/835592
	100	231	350	1480	394	121	10"-2825AF
			350	1495	358	121	HGT1-300.500/835592
	105	243	400	1480	419	127	10"-2825AF
			350	1495	381	126	HGT1-300.500/835592
	110	254	400	1480	436	131	10"-2825AF
			400	1495	403	131	HGT1-300.500/835592
	115	266	450	1480	469	137	10"-2825AF
			400	1495	429	136	HGT1-300.500/835592
	120	277	450	1480	495	142	10"-2825AF
			400	1495	458	141	HGT1-300.500/835592
	125	289	500	1480	520	147	10"-2825AF
			450	1495	484	146	HGT1-300.500/835592
	130	300	500	1480	545	152	10"-2825AF
			450	1495	512	151	HGT1-300.500/835592
	133	304	500	1480	560	157	10"-2825AF
	135	312	500	1495	544	157	HGT1-300.500/835592
	138	319	500	1495	545	158	HGT1-300.650/836139
	140	323	600	1495	575	162	HGT1-300.500/835592
	140	323	500	1495	554	160	HGT1-300.650/836139
	145	335	600	1495	606	168	HGT1-300.500/835592
			600	1495	578	164	HGT1-300.650/836139
	150	347	600	1495	639	175	HGT1-300.500/835592
			600	1495	606	169	HGT1-300.650/836139
	152	351	600	1495	652	175	HGT1-300.500/835592
155	358	600	1495	632	174	HGT1-300.650/836139	
160	370	600	1495	660	179	HGT1-300.650/836139	
165	381	600	1495	689	184	HGT1-300.650/836139	
170	393	700	1495	719	189	HGT1-300.650/836139	
175	404	700	1495	751	194	HGT1-300.650/836139	
180	416	700	1495	784	200	HGT1-300.650/836139	
185	427	800	1495	818	205	HGT1-300.650/836139	
190	439	800	1495	854	211	HGT1-300.650/836139	
195	450	800	1495	890	217	HGT1-300.650/836139	
200	462	900	1495	928	223	HGT1-300.650/836139	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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FLOW	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
5 0 0 0 G P M	95	219	350	1480	381	119	10"-2825AF
	100	231	350	1480	402	123	10"-2825AF
	105	243	400	1480	429	129	10"-2825AF
	110	254	400	1480	454	133	10"-2825AF
	115	266	450	1480	478	139	10"-2825AF
	120	277	450	1480	502	143	10"-2825AF
	125	289	500	1480	526	150	10"-2825AF
	128	297	500	1480	550	152	10"-2825AF
	132	305	500	1480	571	157	10"-2825AF
	133	307	500	1495	545	158	HGT1-300.650/836139
	135	312	500	1495	554	160	HGT1-300.650/836139
	140	323	600	1495	578	164	HGT1-300.650/836139
	145	335	600	1495	603	169	HGT1-300.650/836139
	150	347	600	1495	629	173	HGT1-300.650/836139
	155	358	600	1495	657	178	HGT1-300.650/836139
	160	370	600	1495	685	183	HGT1-300.650/836139
	165	381	700	1495	715	188	HGT1-300.650/836139
	170	393	700	1495	747	193	HGT1-300.650/836139
	175	404	700	1495	780	199	HGT1-300.650/836139
	180	416	800	1495	814	205	HGT1-300.650/836139
185	427	800	1495	849	210	HGT1-300.650/836139	
190	439	800	1495	886	216	HGT1-300.650/836139	
195	450	900	1495	921	223	HGT1-300.650/836139	
196	453	900	1495	928	223	HGT1-300.650/836139	

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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