

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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<b>PSI</b>	<b>Feet</b>					
40	92	15	3560	15	44	3"1824F
45	104	15	3560	17	51	3"1824F
50	115	20	3560	19	57	3"1824F
51	118	15	3560	15	65	21/2"1823BF
		15	3560	16	69	21/2"1823BF
		20	3560	20	63	3"1824F
		15	3560	17	74	21/2"1823BF
		20	3560	22	69	3"1824F
		20	3560	20	79	21/2"1823BF
		25	3560	25	72	3"1824F
		20	3560	21	84	21/2"1823BF
		25	3560	27	76	3"1824F
		20	3560	22	89	21/2"1823BF
		30	3560	30	79	3"1824F
		20	3560	23	92	21/2"1823BF
		30	3560	33	83	3"1824F
		25	3560	25	98	21/2"1823BF
		40	3560	36	87	3"1824F
		25	3560	27	103	21/2"1823BF
		40	3560	40	92	3"1824F
		25	3560	28	107	21/2"1823BF
		40	3560	44	98	3"1824F
		30	3560	32	112	21/2"1823BF
		50	3560	49	103	3"1824F
105	242	30	3560	34	117	21/2"1823BF
		40	3560	37	120	21/2"1823BF



**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
40	92		20	1770	22	45	4"1823AF
44	102		20	1770	22	52	5"1823AF
45	104		20	1770	23	49	4"1823AF
45	104		20	1770	22	53	5"1823AF
			25	1770	28	54	4"1823AF
			25	1770	26	59	5"1823AF
			25	3560	25	62	3"1824F
53	122		30	1770	31	57	4"1823AF
			30	1770	34	60	4"1823AF
			30	1770	29	64	5"1823AF
			25	3560	26	66	3"1824F
			40	1770	38	69	4"1824F
			30	1770	33	70	5"1823AF
			25	3560	28	72	3"1824F
			40	1770	42	74	4"1824F
			40	1770	36	76	5"1823AF
			30	3560	31	79	3"1824F
			40	1770	46	79	4"1824F
			40	1770	36	80	5"1823AF
			30	3560	34	83	3"1824F
72	166						

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
	155	358	100	1770	94	167	4"1922F
	160	369	100	1770	106	193	4"1922F
	165	381	100	1770	103	184	4"1922F
	170	392	100	1770	107	188	4"1922F
	175	404	100	1770	111	192	4"1922F
	180	416	100	1770	115	196	4"1922F
	185	427	125	1770	120	199	4"1922F
	190	439	125	1770	125	203	4"1922F
	191	441	125	3560	134	209	6"2876AF
	195	450	125	1770	130	208	4"1922F
			125	3560	137	213	6"2876AF
			125	1770	134	214	4"1922F
			125	3560	141	216	6"2876AF
205	473		125	1770	137	222	4"1922F
			125	3560	143	219	6"2876AF
210	485		125	1770	140	227	4"1922F
			150	3560	148	224	6"2876AF
215	496		150	3560	151	229	6"2876AF
220	508		150	3560	155	238	6"2876AF
225	519		150	3560	160	244	6"2876AF
			125	3560	130	300	5"1924F
			150	3560	164	249	6"2876AF
			125	3560	135	303	5"1924F
			150	3560	168	253	6"2876AF
240	554		150	3560	172	259	6"2876AF
			125	3560	138	315	5"1924F
			200	3560	179	266	6"2876AF
250			125	3560	140	320	5"1924F
			200	3560	187	270	6"2876AF
			125	3560	143	325	5"1924F
			200	3560	198	277	6"2876AF
260	600		200	3560	205	283	6"2876AF
265	612		150	3560	149	335	5"1924F
			200	3560	213	289	6"2876AF
270	624		150	3560	151	348	5"1924F
			200	3560	218	294	6"2876AF
275	635		150	3560	155	345	5"1924F
			200	3560	223	299	6"2876AF
277	640		200	3560	228	304	6"2876AF
280	647		150	3560	161	348	5"1924F
285	658		150	3560	165	352	5"1924F
290	670		150	3560	168	357	5"1924F
295	681		200	3560	173	362	5"1924F
305	704		200	3560	181	372	5"1924F
315	728		200	3560	190	382	5"1924F
325	751		200	3560	199	392	5"1924F
335	774		200	3560	210	402	5"1924F
345	797		200	3560	219	412	5"1924F
350	809		200	3560	222	417	5"1924F
355	820		200	3560	226	422	5"1924F
360	832		200	3560	230	427	5"1924F
365	843		250	3560	242	432	5"1924F
375	866		250	3560	257	441	5"1924F
385	889		250	3560	272	451	5"1924F
395	912		250	3560	274	460	5"1924F
405	936		250	3560	280	470	5"1924F
415	959		250	3560	286	480	5"1924F
425	982		300	3560	293	490	5"1924F
435	1005		300	3560	305	500	5"1924F
445	1028		300	3560	316	510	5"1924F
455	1051		300	3560	328	520	5"1924F
465	1074		300	3560	340	530	5"1924F

**500 GPM**

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>750 GPM</b>	40	92	25	1770	26	51	4"1823AF
	45	104	25	1770	28	56	4"1823AF
	48	111	30	1770	32	57	4"1823AF
	50	115	30	1770	34	61	4"1823AF
			40	1770	40	56	5"1823F
	55	127	40	1770	41	65	4"2823CF
			40	1770	44	61	5"1823F
	60	139	40	1770	46	75	4"2823CF
			40	1770	48	65	5"1823F
	65	150	50	1770	53	80	4"2823CF
			50	1770	53	70	5"1823F
			40	3560	46	81	4"1823CF
	70	162	50	1770	57	85	4"2823CF
			50	1770	58	76	5"1823F
			50	3560	51	85	4"1823CF
			50	3560	50	91	4"2873AF
	71	164	50	1770	55	87	4"1824F
	75	173	60	1770	59	90	4"1824F
			60	1770	62	90	4"2823CF
			50	3560	55	90	4"1823CF
			50	3560	52	96	4"2873AF
	80	185	60	1770	64	93	4"1824F
			60	1770	67	94	4"2823CF
			50	3560	58	94	4"1823CF
			50	3560	56	101	4"2873AF
	81	187	50	3560	56	99	4"1823DF
	85	196	60	1770	68	99	4"1824F
			75	1770	71	100	4"2823CF
			50	3560	58	103	4"1823DF
			60	3560	58	106	4"2873AF
	90	208	75	1770	71	104	4"1824F
			75	1770	73	105	4"2823CF
			75	1770	73	99	5"2824AF
			60	3560	62	109	4"1823DF
			60	3560	66	111	4"2873AF
	95	219	75	1770	75	109	4"1824F
			75	1770	74	111	4"5824F
			75	1770	80	104	5"2824AF
			60	3560	66	112	4"1823DF
			75	3560	72	120	4"2876AF
	100	231	75	3560	71	116	4"2873AF
			75	1770	77	117	4"5824F
			100	1770	87	109	5"2824AF
			60	3560	69	115	4"1823DF
			75	3560	75	125	4"2876AF
	105	243	75	3560	73	121	4"2873AF
			100	1770	87	123	4"5824F
			100	1770	94	114	5"2824AF
75			3560	74	120	4"1823DF	
75			3560	77	131	4"2876AF	
110	254	75	3560	79	126	4"2873AF	
		100	1770	91	128	4"5824F	
		100	1770	100	118	5"2824AF	
		75	3560	79	126	4"1823DF	
115	265	75	3560	84	136	4"2876AF	
		100	1770	96	132	4"5824F	
		100	1770	105	123	5"2824AF	
		75	3560	83	131	4"1823DF	
120	277	75	3560	86	141	4"2876AF	
		100	1770	100	137	4"5824F	
		100	1770	110	128	5"2824AF	
		75	3560	86	136	4"1823DF	
		100	3560	92	146	4"2876AF	

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

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
<b>7 5 0  G P M</b>	125	289	100	1770	105	144	4"5824F
			100	1770	115	133	5"2824AF
			100	3560	94	144	4"1823DF
			100	3560	97	150	4"2876AF
	130	300	125	1770	120	138	5"2824AF
			100	3560	98	147	4"1823DF
			100	3560	100	155	4"2876AF
	135	312	125	1770	125	143	5"2824AF
			100	3560	102	152	4"1823DF
			100	3560	102	160	4"2876AF
	140	323	125	1770	130	149	5"2824AF
			125	1770	133	148	6"1922AF
			100	3560	106	155	4"1823DF
	142	328	100	3560	110	165	4"2876AF
			125	1770	135	149	5"2824AF
	143	330	125	1770	135	150	5"2824AF
			100	3560	103	174	4"2876CF
	145	335	125	1770	138	153	6"1922AF
			100	3560	110	160	4"1823DF
			100	3560	113	171	4"2876AF
			100	3560	105	179	4"2876CF
	150	347	150	1770	144	158	6"1922AF
			100	3560	114	165	4"1823DF
			125	3560	119	177	4"2876AF
	155	358	100	3560	109	184	4"2876CF
			150	1770	150	163	6"1922AF
			125	3560	116	170	4"1823DF
	158	365	125	3560	126	181	4"2876AF
			100	3560	114	189	4"2876CF
			125	1770	127	180	6"1923BF
	160	369	125	1770	129	184	6"1923BF
			150	1770	156	168	6"1922AF
			125	3560	119	176	4"1823DF
			125	3560	133	186	4"2876AF
	165	381	125	3560	118	195	4"2876CF
			125	1770	133	189	6"1923BF
			150	1770	162	173	6"1922AF
			125	3560	123	180	4"1823DF
	170	392	125	3560	138	191	4"2876AF
			125	3560	125	201	4"2876CF
			125	1770	138	195	6"1923BF
			150	1770	168	179	6"1922AF
	175	404	125	3560	128	186	4"1823DF
			125	3560	142	195	4"2876AF
125			3560	130	205	4"2876CF	
125			1770	143	202	6"1923BF	
180	415	200	1770	175	184	6"1922AF	
		125	3560	133	192	4"1823DF	
		150	3560	144	200	4"2876AF	
		125	3560	132	210	4"2876CF	
185	427	125	3560	130	205	4"2876CF	
		150	1770	148	209	6"1923BF	
		200	1770	182	189	6"1922AF	
		125	3560	138	198	4"1823DF	
185	427	150	3560	147	204	4"2876AF	
		125	3560	140	215	4"2876CF	
		125	3560	143	217	6"2876AF	
		150	1770	153	214	6"1923BF	
		200	1770	188	194	6"1922AF	
185	427	150	3560	150	208	4"2876AF	
		150	3560	149	220	4"2876CF	
		150	3560	147	220	6"2876AF	
		150	3560	149	206	4"1823DF	

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





**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>7 5 0  G P M</b>	375	866	300	3560	326	444	6"1924F
	380	878	300	3560	336	448	6"1924F
	385	889	350	3560	346	453	6"1924F
	390	901	350	3560	352	458	6"1924F
	395	912	350	3560	357	463	6"1924F
	400	924	350	3560	363	467	6"1924F
	405	936	350	3560	368	472	6"1924F
	410	947	350	3560	374	477	6"1924F
	415	959	350	3560	379	481	6"1924F
	420	970	350	3560	385	486	6"1924F
	425	982	350	3560	390	491	6"1924F
	430	993	350	3560	394	485	6"1924F
	435	1005	350	3560	397	500	6"1924F
	440	1016	350	3560	402	504	6"1924F
	445	1028	400	3560	410	509	6"1924F
	450	1040	400	3560	418	514	6"1924F
	455	1051	400	3560	425	518	6"1924F
	460	1063	400	3560	435	523	6"1924F
	465	1074	400	3560	445	527	6"1924F
	470	1086	400	3560	453	532	6"1924F
475	1097	450	3560	461	537	6"1924F	
480	1109	450	3560	471	540	6"1924F	
485	1120	450	3560	480	546	6"1924F	
490	1132	450	3560	490	550	6"1924F	

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





**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>1000 GPM</b>	40	92	30	1770	34	55	6"1822F
	45	104	40	1770	40	60	6"1822F
	50	116	40	1770	45	61	5"1823F
			40	1770	46	65	6"1822F
	51	118	50	1770	47	65	5"2823AF
	55	127	50	1770	50	65	5"1823F
			50	1770	50	70	5"2823AF
	60	139	50	1770	55	70	5"1823F
			50	1770	57	75	5"2823AF
	65	150	60	1770	61	75	5"1823F
			60	1770	63	80	5"2823AF
	70	162	60	1770	67	79	5"1823F
			60	1770	67	85	5"2823AF
	75	173	75	1770	74	85	5"1823F
			75	1770	77	88	5"2823AF
	80	185	75	1770	80	89	5"1823F
			100	1770	87	93	5"2823AF
	85	196	75	1770	87	95	5"1823F
			100	1770	95	98	5"2823AF
			100	1770	87	97	5"2824AF
	88	203	100	1770	99	103	5"2823AF
			100	3560	94	100	6"1822HHF
	90	208	100	1770	93	99	5"1823F
			75	1770	86	96	5"1824F
			100	1770	98	106	5"2824AF
			75	3560	81	110	5"1822CF
			100	3560	95	104	6"1822HHF
	95	219	100	1770	96	101	5"1824F
			100	1770	99	110	5"2824AF
			75	3560	84	116	5"1822CF
			100	3560	98	108	6"1822HHF
	100	231	100	1770	105	106	5"1824F
			100	1770	109	114	5"2824AF
			75	3560	86	120	5"1822CF
			100	3560	99	112	6"1822HHF
	105	242	100	1770	112	111	5"1824F
			100	1770	114	119	5"2824AF
			100	3560	91	125	5"1822CF
			100	3560	111	116	6"1822HHF
	110	254	125	1770	118	116	5"1824F
			125	1770	121	124	5"2824AF
			100	3560	97	131	5"1822CF
			125	3560	120	120	6"1822HHF
	115	265	125	1770	127	121	5"1824F
			125	1770	129	129	5"2824AF
			100	3560	103	135	5"1822CF
	120	277	125	3560	124	125	6"1822HHF
			125	1770	136	127	5"1824F
125			1770	132	134	5"2824AF	
125			3560	119	146	5"1822BF	
125	289	100	3560	109	142	5"1822CF	
		125	3560	130	129	6"1822HHF	
		150	1770	146	133	5"1824F	
		125	1770	137	137	5"2824AF	
		125	3560	122	150	5"1822BF	
130	300	100	3560	113	146	5"1822CF	
		125	3560	136	134	6"1822HHF	
		150	1770	147	141	5"2824AF	
		125	1770	128	148	6"1922AF	
		125	3560	130	158	5"1822BF	
		125	3560	119	152	5"1822CF	
		125	3560	142	139	6"1822HHF	

\*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 Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>1250 GPM</b>	45	104	50	1770	56	50	8"1822F
	50	115	60	1770	64	55	8"1822F
	52	120	60	1770	69	59	8"1822F
	55	127	60	1770	64	65	6"1823F
			50	1770	58	64	6"1823CF
	60	139	60	1770	68	71	6"1823F
			60	1770	65	69	6"1823CF
	65	150	75	1770	75	77	6"1823F
			60	1770	69	74	6"1823CF
	70	162	75	1770	85	81	6"1823F
			75	1770	80	79	6"1823CF
	75	173	75	1770	84	93	5"2823AF
			100	1770	94	86	6"1823F
			75	1770	85	84	6"1823CF
	80	185	100	1770	93	98	5"2823AF
			100	1770	100	90	6"1823F
			100	1770	98	89	6"1823CF
	84	194	100	1770	98	102	5"2823AF
	85	196	100	1770	110	94	6"1823F
			100	1770	105	94	6"1823CF
			100	1770	112	96	6"1825F
	88	203	100	1750	107	94	HGT1150.400A/836414
			100	1750	110	96	HGT1150.400A/836414
	90	208	125	1770	119	98	6"1823F
			100	1770	110	100	6"1823CF
			125	1770	119	101	6"1825F
			125	1750	118	100	HGT1150.400A/836414
	95	219	125	1770	128	103	6"1823F
			100	1770	115	105	6"1823CF
			125	1770	126	110	6"1825F
	100	231	125	1750	126	105	HGT1150.400A/836414
125			1770	126	111	6"1824BF	
125			1770	134	114	6"1825F	
105	243	125	1750	135	110	HGT1150.400A/836414	
		125	1770	134	116	6"1824BF	
		125	1770	141	118	6"1825F	
110	254	150	1750	144	115	HGT1150.400A/836414	
		125	1770	141	121	6"1824BF	
		150	1770	149	122	6"1825F	
115	266	150	1750	153	120	HGT1150.400A/836414	
		150	1770	148	126	6"1824BF	
		150	1770	157	125	6"1825F	
		150	1750	162	125	HGT1150.400A/836414	
120	277	150	1770	156	132	6"1824BF	
		150	1770	165	135	6"1825F	
		150	1750	171	133	HGT1150.400A/836414	
125	289	150	1770	164	137	6"1824BF	
		150	1770	172	138	6"1825F	
		200	1750	177	133	HGT1150.400A/836414	
130	300	150	1770	172	142	6"1824BF	
		200	1770	180	141	6"1825F	
132	305	150	3560	156	145	6"182HHF	
		200	1770	184	148	6"1824BF	
135	312	200	1770	187	147	6"1825F	
		150	3560	167	150	6"182HHF	
		200	1770	230	140	8"1825F	
138	319	150	1770	162	181	6"1923F	
139	321	150	1770	164	183	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 Fire Pumps  
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
<b>1 2 5 0</b>	210	485	250	3560	277	225	6"1822HHF
			250	3560	283	222	6"1823HHF
			250	3560	287	230	6"1822HHF
	215	495	300	3560	292	227	6"1823HHF
			300	3560	288	231	6"1822HHF
	216	499	300	3560	288	231	6"1822HHF
	220	508	300	3560	300	231	6"1823HHF
	225	520	300	3560	310	235	6"1823HHF
	230	531	300	3560	318	239	6"1823HHF
	235	543	300	3560	329	243	6"1823HHF
	240	554	300	3560	338	247	6"1823HHF
	245	566	300	3560	344	252	6"1823HHF
	250	578	350	3560	352	257	6"1823HHF
	255	589	350	3560	361	260	6"1823HHF
	260	601	350	3560	375	264	6"1823HHF
	265	612	350	3560	381	268	6"1823HHF
	270	624	350	3560	393	273	6"1823HHF
275	635	400	3560	403	278	6"1823HHF	
280	647	400	3560	412	282	6"1823HHF	
285	658	400	3560	425	287	6"1823HHF	
287	663	400	3560	430	292	6"1823HHF	

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>1500 GPM</b>	40	92	50	1770	52	47	8"1822F
	45	104	60	1770	62	53	8"1822F
	50	115	75	1770	71	58	8"1822F
	51	115	60	1770	64	65	6"1823F
	55	127	60	1770	68	70	6"1823F
	60	139	75	1770	75	74	6"1823F
	65	150	75	1770	84	78	6"1823F
	70	162	100	1770	94	82	6"1823F
	71	164	75	1770	86	84	6"1823CF
	75	173	100	1770	100	88	6"1823F
			100	1770	93	89	6"1823CF
	76	175	100	1770	99	99	6"2823CF
	80	185	100	1770	110	93	6"1823F
			100	1770	102	97	6"1823CF
			100	1770	112	96	6"1825F
			100	1770	105	103	6"2823CF
	84	194	100	1750	107	94	HGT1150.400A/836414
	85	196	100	1750	109	95	HGT1150.400A/836414
			125	1770	119	98	6"1823F
			100	1770	110	100	6"1823CF
			125	1770	119	102	6"1825F
			100	1770	110	108	6"2823CF
	86	199	100	1770	113	109	6"2823CF
	90	208	125	1750	117	100	HGT1150.400A/836414
			125	1770	128	104	6"1823F
			100	1770	115	106	6"1823CF
			125	1770	126	107	6"1825F
	91	210	125	1770	121	107	6"1823CF
	95	219	125	1750	125	105	HGT1150.400A/836414
			125	1770	132	116	6"1824BF
			125	1770	134	113	6"1825F
	100	231	125	1750	133	109	HGT1150.400A/836414
			125	1770	136	121	6"1824BF
			125	1770	141	118	6"1825F
	105	243	125	1750	142	114	HGT1150.400A/836414
			125	1770	143	125	6"1824BF
			150	1770	149	123	6"1825F
	110	254	150	1750	150	119	HGT1150.400A/836414
			150	1770	150	129	6"1824BF
			150	1770	157	128	6"1825F
115	266	150	1750	159	124	HGT1150.400A/836414	
		150	1770	157	134	6"1824BF	
		150	1770	165	133	6"1825F	
120	277	150	1750	169	133	HGT1150.400A/836414	
		150	1770	164	138	6"1824BF	
124	286	150	1770	172	138	6"1825F	
		200	1750	177	133	HGT1150.400A/836414	
125	289	150	1770	172	143	6"1824BF	
		200	1770	180	143	6"1825F	
130	300	200	1770	184	149	6"1824BF	
		200	1770	187	148	6"1825F	
134	310	200	1770	195	152	6"1824BF	
135	312	200	1770	195	153	6"1825F	
		200	1770	230	140	8"1825F	
140	323	200	1770	216	158	6"1825F	
		250	1770	243	146	8"1825F	
142	328	200	3560	184	161	6"1822HHF	
145	335	200	1770	228	163	6"1825F	
		250	1770	253	151	8"1825F	
		200	3560	195	166	6"1822HHF	

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

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
<b>1 5 0 0  G P M</b>	150	347	250	1770	241	167	6"1825F
			250	1770	266	156	8"1825F
			200	3560	197	171	6"1822HHF
	155	358	250	1770	250	173	6"1825F
			250	1770	275	161	8"1825F
			200	3560	205	176	6"1822HHF
	158	365	200	3560	222	185	6"1823HHF
	160	369	250	1770	260	178	6"1825F
			300	1770	304	165	8"1825F
			200	3560	213	182	6"1822HHF
	165	381	200	3560	229	189	6"1823HHF
			250	1770	268	182	6"1825F
			300	1770	316	170	8"1825F
	170	392	200	3560	221	187	6"1822HHF
			250	3560	236	192	6"1823HHF
			300	1770	332	175	8"1825F
	175	404	200	3560	230	192	6"1822HHF
			250	3560	243	195	6"1823HHF
			350	1770	353	180	8"1825F
	180	415	250	3560	235	197	6"1822HHF
			250	3560	251	198	6"1823HHF
			350	1770	370	186	8"1825F
	185	427	250	3560	243	202	6"1822HHF
			250	3560	260	202	6"1823HHF
			350	1770	396	191	8"1825F
	190	439	250	3560	253	206	6"1822HHF
			250	3560	269	205	6"1823HHF
			400	1770	410	197	8"1825F
	195	450	250	3560	262	210	6"1822HHF
			250	3560	280	211	6"1823HHF
			400	1770	426	202	8"1825F
	200	462	250	3560	270	214	6"1822HHF
			250	3560	287	216	6"1823HHF
			400	1770	442	206	8"1825F
205	474	250	3560	279	219	6"1822HHF	
207	478	300	3560	302	220	6"1823HHF	
209	483	300	3560	315	225	6"1823HHF	
210	485	300	3560	294	229	6"1822HHF	
215	497	300	3560	297	227	6"1822HHF	
220	508	300	3560	323	230	6"1823HHF	
225	520	300	3560	330	235	6"1823HHF	
230	531	300	3560	335	240	6"1823HHF	
235	543	350	3560	340	245	6"1823HHF	
240	554	350	3560	345	250	6"1823HHF	
245	567	350	3560	355	255	6"1823HHF	
250	578	400	3560	370	260	6"1823HHF	
255	589	400	3560	385	265	6"1823HHF	
260	601	400	3560	403	270	6"1823HHF	
265	612	400	3560	410	275	6"1823HHF	
270	624	400	3560	418	280	6"1823HHF	
275	635	450	3560	428	285	6"1823HHF	
280	647	450	3560	441	289	6"1823HHF	
283	654	450	3560	466	293	6"1823HHF	
				472	297	6"1823HHF	
				477	300	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 Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
	53	122					

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**Horizontal Split Case Fire Pumps**  
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Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
		Motor HP	Speed (RPM)	Horsepower (BHP)		
PSI	Feet					
130	300	250	1770	235	153	6"1824CF
		200	1770	226	154	6"1825F
		250	1770	242	153	6"2825AF
		250	1770	282	146	8"1824BF
		250	1770	252	146	8"1825F
		300	1780	298	143	HGT1200.400/836401
131	303	250	1750	248	147	HGT1200.500A/836297
135	312	250	1770	243	157	6"1824CF
		250	1770	238	159	6"1825F
		250	1770	255	158	6"2825AF
		250	1770	265	151	8"1825F
		300	1780	321	149	HGT1200.400/836401
140	323	250	1770	251	161	6"1824CF
		250	1770	243	165	6"1825F
		250	1770	266	162	6"2825AF
		250	1770	275	155	8"1825F
		300	1780	342	154	HGT1200.400/836401
145	335	250	1770	248	170	6"1825F
		250	1770	280	166	6"2825AF
		300	1770	294	158	8"1825F
		350	1780	364	159	HGT1200.400/836401
150	347	250	1770	263	176	6"1825F
		300	1770	293	172	6"2825AF
154	356	300	1770	313	161	8"1825F
		300	1770	304	176	6"2825AF
155	358	300	1770	332	165	8"1825F
157	363	300	1770	314	182	6"2825AF
160	369	300	1770	338	172	8"1825F
165	381	300	1770	345	178	8"1825F
		350	1770	362	181	8"1826F
170	392	350	1770	375	183	8"1825F
		350	1770	378	188	8"1826F
175	404	350	1770	390	188	8"1825F
180	415	350	1770	392	192	8"1826F
		350	1770	402	192	8"1825F
		400	1770	408	196	8"1826F
185	427	400	1770	432	196	8"1825F
		400	1770	422	201	8"1826F
190	439	400	1770	453	201	8"1825F
		400	1770	438	205	8"1826F
195	450	400	1770	460	205	8"1825F
		400	1770	452	209	8"1826F
200	462	450	1770	468	214	8"1826F
205	474	450	1770	484	219	8"1826F
210	485	450	1770	498	223	8"1826F
214	494	450	1770	510	228	8"1826F

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
50	115	100	1770	109	65	8"2823AF	
55	127	100	1770	113	71	8"2823AF	
60	139	125	1770	129	76	8"2823AF	
65	150	125	1770	140	82	8"2823AF	
70	162	150	1770	159	87	8"2823AF	
		150	1770	166	95	8"1824BF	
		200	1770	178	95	8"2823AF	
		150	1770	163	94	8"2824AF	
		150	1780	151	98	HGT1200.400/836401	
78	180	200	1770	193	101	8"2823AF	
79	183	150	1770	172	100	8"1824BF	
		200	1770	195	101	8"2823AF	
		200	1770	173	100	8"2824AF	
		150	1780	157	100	HGT1200.400/836401	
		200	1770	197	107	8"2823AF	
84	194	200	1770	182	105	8"1824BF	
		200	1770	183	105	8"2824AF	
		150	1780	171	105	HGT1200.400/836401	
		200	1770	194	110	8"1824BF	
		200	1770	200	110	8"2824AF	
		200	1780	183	109	HGT1200.400/836401	
		200	1770	206	115	8"1824BF	
		200	1770	214	114	8"2824AF	
		200	1780	197	114	HGT1200.400/836401	
		200	1770	220	120	8"1824BF	
		200	1770	220	121	8"2824AF	
		200	1780	214	119	HGT1200.400/836401	
		200	1770	230	125	8"1824BF	
		250	1770	236	126	8"2824AF	
		250	1780	230	124	HGT1200.400/836401	
		250	1770	243	130	8"1824BF	
		250	1770	250	131	8"2824AF	
		250	1780	246	129	HGT1200.400/836401	
		250	1770	255	136	8"1824BF	
		250	1770	261	135	8"2824AF	
250	1780	263	134	HGT1200.400/836401			
250	1770	272	140	8"1824BF			
250	1770	278	140	8"2824AF			
250	1780	282	139	HGT1200.400/836401			



**SELECTION TABLES**  
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Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
Motor HP	Speed (RPM)	Horsepower (BHP)		
150	1750	153	77	HGT1250.400/836205
150	1750	155	78	HGT1250.400/836205
150	1750	167	83	HGT1250.400/836205
200	1750	180	89	HGT1250.400/836205
200	1750	195	94	HGT1250.400/836205
200	1750	220	99	HGT1250.400/836205
250	1750	230	104	HGT1250.400/836205
250	1770	262	98	10"1824DF
250	1750	251	109	HGT1250.400/836205
250	1770	275	104	10"1824DF
250	1750	272	114	HGT1250.400/836205
300	1770	317	110	10"1824F
300	1770	307	110	10"1824DF
250	1770	260	134	8"2824AF
300	1750	294	119	HGT1250.400/836205
300	1770	334	116	10"1824F
300	1770	324	115	10"1824DF
250	1770	269	136	8"2824AF
300	1750	317	125	HGT1250.400/836205
350	1770	365	122	10"1824F
350	1770	357	120	10"1824DF
250	1770	280	141	8"2824AF
300	1750	339	129	HGT1250.400/836205
350	1770	385	126	10"1824F
350	1770	378	124	10"1824DF
250	1770	287	146	8"2824AF
300	1750	338	127	HGT1250.500/824558
350	1750	366	134	HGT1250.400/836205
350	1750	349	130	HGT1250.500/824558
350	1770	400	132	10"1824F
350	1770	402	130	10"1824DF
300	1770	314	151	8"2824AF
350	1750	397	141	HGT1250.400/836205
350	1750	365	135	HGT1250.500/824558
400	1770	423	137	10"1824F
400	1770	427	135	10"1824DF
300	1770	331	155	8"2824AF
350	1750	402	141	HGT1250.400/836205
300	1780	319	149	HGT1250.500/836473
300	1770	340	159	8"2824AF
350	1750	383	140	HGT1250.500/824558
400	1770	452	142	10"1824F
400	1770	454	140	10"1824DF
300	1770	345	159	8"2824AF
300	1780	328	153	HGT1250.500/836473
350	1750	401	145	HGT1250.500/824558
450	1770	482	149	10"1824F
450	1770	484	148	10"1824DF
300	1780	342	158	HGT1250.500/836473
450	1770	493	151	10"1824DF
400	1750	420	150	HGT1250.500/824558
450	1770	503	155	10"1824F
350	1780	356	163	HGT1250.500/836473
400	1750	441	155	HGT1250.500/824558
450	1770	513	161	10"1824F
350	1780	371	168	HGT1250.500/836473
450	1750	462	161	HGT1250.500/824558
350	1780	387	173	HGT1250.500/836473
450	1750	481	165	HGT1250.500/824558
400	1780	405	178	HGT1250.500/836473

**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		

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**Horizontal Split Case Fire Pumps**  
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>3500 GPM</b>	88	203	250	1770	268	98	10"1824DF
	89	206	250	1780	265	102	HGT1300.400A/836412
	90	208	250	1770	277	102	10"1824DF
			250	1780	269	103	HGT1300.400A/836412
	95	219	300	1770	298	106	10"1824DF
			250	1780	286	108	HGT1300.400A/836412
	100	231	300	1770	325	113	10"1824F
			300	1770	321	110	10"1824DF
			300	1780	307	114	HGT1300.400A/836412
	105	242	300	1770	340	120	10"1824F
			300	1770	345	115	10"1824DF
			300	1780	327	119	HGT1300.400A/836412
	110	254	350	1770	370	124	10"1824F
			350	1770	370	119	10"1824DF
			350	1780	348	123	HGT1300.400A/836412
	111	256	300	1750	338	127	HGT1250.500/824558
	115	266	350	1750	349	130	HGT1250.500/824558
			350	1770	395	130	10"1824F
			350	1770	395	126	10"1824DF
			350	1780	374	129	HGT1300.400A/836412
	120	277	350	1750	365	135	HGT1250.500/824558
			400	1770	423	136	10"1824F
			400	1770	412	130	10"1824DF
	125	289	400	1780	403	134	HGT1300.400A/836412
			350	1750	383	140	HGT1250.500/824558
			400	1770	452	141	10"1824F
			400	1770	438	138	10"1824DF
	129	298	400	1780	434	143	HGT1300.400A/836412
			400	1780	455	143	HGT1300.400A/836412
			350	1750	401	145	HGT1250.500/824558
400			1770	460	143	10"1824DF	
130	300	400	1750	420	150	HGT1250.500/824558	
		450	1770	503	152	10"1824F	
		450	1770	490	151	10"1824DF	
135	312	400	1750	441	155	HGT1250.500/824558	
		450	1770	513	159	10"1824F	
140	323	400	1750	459	160	HGT1250.500/824558	
145	335	450	1750	478	164	HGT1250.500/824558	
150	347	450	1750	501	170	HGT1250.500/824558	
155	358	450	1750	522	175	HGT1250.500/824558	
160	370	500	1750	547	180	HGT1250.500/824558	
165	381	500	1750	570	185	HGT1250.500/824558	
170	393	500	1750	593	190	HGT1250.500/824558	
175	404	600	1750	616	195	HGT1250.500/824558	
180	416	600	1750	637	204	HGT1250.500/824558	
185	427	600	1750	658	204	HGT1250.500/824558	
189	437	600	1750				

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



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**Horizontal Split Case Fire Pumps**  
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>4000 GPM</b>	85	196	250	1770	274	98	10"1824DF
			250	1780	265	102	HGT1300.400A/836412
	90	208	300	1770	302	104	10"1824DF
			250	1780	282	107	HGT1300.400A/836412
	94	217	350	1770	363	115	10"2825AF
			300	1770	317	113	10"1824F
	95	219	300	1770	324	110	10"1824DF
			350	1770	366	116	10"2825AF
			300	1780	301	112	HGT1300.400A/836412
	100	231	300	1770	330	119	10"1824F
			300	1770	345	118	10"1824DF
			350	1770	383	118	10"2825AF
	105	242	300	1780	322	118	HGT1300.400A/836412
			350	1770	365	124	10"1824F
			350	1770	372	126	10"1824DF
	110	254	350	1770	401	124	10"2825AF
			350	1780	345	123	HGT1300.400A/836412
			350	1770	385	129	10"1824F
	115	265	350	1770	396	133	10"1824DF
			400	1770	421	135	10"2825AF
			350	1780	368	128	HGT1300.400A/836412
	120	277	400	1770	419	136	10"1824DF
			400	1770	444	140	10"2825AF
			350	1780	396	133	HGT1300.400A/836412
	125	289	400	1770	446	138	10"1824DF
			450	1770	468	145	10"2825AF
			400	1780	423	138	HGT1300.400A/836412
	130	300	450	1770	474	140	10"1824DF
			450	1770	494	150	10"2825AF
			400	1780	455	143	HGT1300.400A/836412
	132	305	450	1770	500	145	10"1824DF
			500	1770	522	155	10"2825AF
134	310	450	1750	480	148	HGT1300.500A/836316	
		500	1770	525	152	10"1824DF	
135	312	450	1750	492	151	HGT1300.500A/836316	
		500	1770	561	160	10"2825AF	
140	323	450	1750	513	156	HGT1300.500A/836316	
		600	1770	581	165	10"2825AF	
145	335	500	1750	535	161	HGT1300.500A/836316	
		600	1770	613	170	10"2825AF	
150	347	500	1750	558	166	HGT1300.500A/836316	
		600	1770	645	175	10"2825AF	
155	358	600	1750	581	171	HGT1300.500A/836316	
		600	1770	675	180	10"2825AF	
160	370	600	1750	605	177	HGT1300.500A/836316	
		700	1770	698	185	10"2825AF	
165	381	600	1750	629	182	HGT1300.500A/836316	
		700	1770	728	190	10"2825AF	
170	393	600	1750	651	187	HGT1300.500A/836316	
		700	1770	755	195	10"2825AF	
175	404	600	1750	677	193	HGT1300.500A/836316	
		700	1770	785	200	10"2825AF	
180	416	700	1750	699	198	HGT1300.500A/836316	
		800	1770	816	205	10"2825AF	
185	427	700	1750	720	206	HGT1300.500A/836316	
		800	1770	847	210	10"2825AF	
188	434	700	1750	738	206	HGT1300.500A/836316	
190	439	800	1770	879	215	10"2825AF	
195	450	800	1770	912	220	10"2825AF	
198	457	900	1770	935	225	10"2825AF	

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







**SELECTION TABLES**  
**Horizontal Split Case Fire Pumps**  
**60Hz Electric Motor Drive**

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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff (PSI)*	Pump Model
			Motor HP	Speed (RPM)	Horsepower (BHP)		
	PSI	Feet					
<b>4</b>	170	393	600	1750	673	192	HGT1300.500A/836316
			700	1770	770	200	10"2825AF
<b>5</b>	175	404	700	1750	699	198	HGT1300.500A/836316
			700	1770	803	206	10"2825AF
<b>0</b>	180	416	700	1750	720	206	HGT1300.500A/836316
			800	1770	835	211	10"2825AF
<b>G P M</b>	183	423	700	1750	738	206	HGT1300.500A/836316
	185	427	800	1770	868	216	10"2825AF
	190	439	800	1770	900	221	10"2825AF
	194	448	900	1770	935	227	10"2825AF

\*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)		