

SELECTION TABLES
Vertical Split Case Fire Pumps
60Hz Electric Motor Drive

Flow	Pressure		Required Motor HP Rating			Maximum Shutoff*	Pump Size & Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
250 GPM	40	92	15	3560	15	44	3"1844F
	45	104	15	3560	17	51	3"1844F
	50	115	20	3560	19	57	3"1844F
	51	118	15	3560	15	65	2 1/2"1843BF
	55	127	15	3560	16	69	2 1/2"1843BF
			20	3560	20	63	3"1844F
	60	139	15	3560	17	74	2 1/2"1843BF
			20	3560	22	69	3"1844F
	65	150	20	3560	20	79	2 1/2"1843BF
			25	3560	25	72	3"1844F
	70	162	20	3560	21	84	2 1/2"1843BF
			25	3560	27	76	3"1844F
	75	173	20	3560	22	89	2 1/2"1843BF
			30	3560	30	79	3"1844F
	80	185	20	3560	23	92	2 1/2"1843BF
			30	3560	33	83	3"1844F
	85	196	25	3560	25	98	2 1/2"1843BF
			40	3560	36	87	3"1844F
	90	208	25	3560	27	103	2 1/2"1843BF
			40	3560	40	92	3"1844F
	95	219	25	3560	28	107	2 1/2"1843BF
			40	3560	44	98	3"1844F
	100	231	30	3560	32	112	2 1/2"1843BF
			50	3560	49	103	3"1844F
	105	242	30	3560	34	117	2 1/2"1843BF
			40	3560	37	120	2 1/2"1843BF
	110	254	50	3560	54	113	3"1844F
			40	3560	39	124	2 1/2"1843BF
120	277	40	3560	42	129	2 1/2"1843BF	
125	288	40	3560	44	133	2 1/2"1843BF	
130	300	40	3560	46	137	2 1/2"1843BF	
135	312	50	3560	49	142	2 1/2"1843BF	
140	323	50	3560	53	147	2 1/2"1843BF	
145	335	50	3560	56	152	2 1/2"1843BF	
150	347	50	3560	57	157	2 1/2"1843BF	
155	358	60	3560	61	160	2 1/2"1843BF	
160	370	60	3560	63	164	2 1/2"1843BF	
165	381	60	3560	66	169	2 1/2"1843BF	
167	386	60	3560	68	173	2 1/2"1843BF	

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



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Vertical Split Case Fire Pumps
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff*	Pump Size & Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
500 GPM	40	92	20	1770	22	45	4"1843AF
	45	104	20	1770	23	49	4"1843AF
	50	115	25	3560	25	62	3"1844F
			25	1770	28	54	4"1843AF
	53	122	30	1770	31	57	4"1843AF
	55	127	25	3560	26	66	3"1844F
			30	1770	34	60	4"1843AF
	60	139	25	3560	28	72	3"1844F
			40	1770	38	69	4"1844F
	65	150	30	3560	31	79	3"1844F
			40	1770	42	74	4"1844F
	70	162	30	3560	34	83	3"1844F
			40	1770	46	79	4"1844F
	75	173	40	3560	37	88	3"1844F
			50	1770	50	83	4"1844F
	80	185	40	3560	40	92	3"1844F
			50	1770	55	88	4"1844F
	85	196	40	3560	43	97	3"1844F
	90	208	40	3560	46	102	3"1844F
	95	219	50	3560	49	107	3"1844F
100	231	50	3560	52	112	3"1844F	
105	242	50	3560	54	117	3"1844F	
110	254	50	3560	57	121	3"1844F	
115	265	60	3560	61	126	3"1844F	
120	277	60	3560	64	131	3"1844F	
125	289	60	3560	69	136	3"1844F	
130	300	75	3560	73	141	3"1844F	
135	312	75	3560	77	146	3"1844F	
140	323	75	3560	80	152	3"1844F	
145	335	75	3560	82	158	3"1844F	
150	347	100	3560	87	163	3"1844F	

*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*	Pump Size & Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
750 GPM	40	92	25	1770	26	51	4"1843AF
	45	104	25	1770	28	56	4"1843AF
	48	111	30	1770	32	57	4"1843AF
	50	115	30	1770	34	61	4"1843AF
			40	1770	37	60	5"1843F
	55	127	40	1770	43	65	5"1843F
	60	139	40	1770	46	69	5"1843F
	65	150	40	3560	46	81	4"1843CF
			50	1770	52	75	5"1843F
	70	162	50	3560	51	85	4"1843CF
			50	1770	57	80	5"1843F
	71	164	50	1770	55	87	4"1844F
	75	173	50	3560	55	90	4"1843CF
			60	1770	59	90	4"1844F
	80	185	50	3560	57.5	94	4"1843CF
			60	1770	64	93	4"1844F
	81	187	50	3560	56	99	4"1843DF
	85	196	50	3560	57.5	103	4"1843DF
			60	1770	68	99	4"1844F
	90	208	60	3560	62	109	4"1843DF
			75	1770	71	104	4"1844F
	95	219	60	3560	66	112	4"1843DF
			75	1770	75	109	4"1844F
	100	231	60	3560	69	115	4"1843DF
	105	242	75	3560	74	120	4"1843DF
	110	254	75	3560	79	126	4"1843DF
	115	265	75	3560	83	131	4"1843DF
	120	277	75	3560	86	136	4"1843DF
	125	289	100	3560	93.5	144	4"1843DF
	130	300	100	3560	98	147	4"1843DF
	135	312	100	3560	102	152	4"1843DF
	140	323	100	3560	106	155	4"1843DF
145	335	100	3560	110	160	4"1843DF	
150	347	100	3560	114	165	4"1843DF	
155	358	125	3560	116	170	4"1843DF	
160	369	125	3560	119	176	4"1843DF	
165	381	125	3560	123	180	4"1843DF	
170	392	125	3560	128	186	4"1843DF	
175	404	125	3560	133	192	4"1843DF	
180	416	125	3560	138	198	4"1843DF	
185	427	150	3560	149	206	4"1843DF	
187	432	150	3560	150	208	4"1843DF	
190	439	150	3560	155	211	4"1843DF	
192	443	150	3560	171	213	4"1843CF	

*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
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff*	Pump Size & Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1000 GPM	40	92	30	1770	34	55	6"1842F
	45	104	40	1770	40	60	6"1842F
	50	116	40	1770	44	63	5"1843F
			40	1770	46	65	6"1842F
	55	127	50	1770	50	68	5"1843F
	60	139	50	1770	56	72	5"1843F
	65	150	60	1770	63	77	5"1843F
	70	162	60	1770	67	83	5"1843F
	75	173	75	1770	72	88	5"1843F
	80	185	75	1770	80	92	5"1843F
	85	196	100	1770	88	96	5"1843F
			75	3560	81	110	5"1842CF
	90	208	100	1770	94	100	5"1843F
			75	3560	86	116	5"1842CF
	95	219	75	3560	86	116	5"1842CF
	100	231	100	3560	88	120	5"1842CF
	105	242	100	3560	93	125	5"1842CF
	110	254	100	3560	99	131	5"1842CF
	115	265	100	3560	103	135	5"1842CF
			100	3560	109	142	5"1842CF
	120	277	125	3560	119	146	5"1842BF
			100	3560	113	146	5"1842CF
	125	289	125	3560	122	150	5"1842BF
			125	3560	119	152	5"1842CF
	130	300	125	3560	130	158	5"1842BF
			125	3560	123	157	5"1842CF
	135	312	125	3560	134	163	5"1842BF
			125	3560	128	162	5"1842CF
	140	323	125	3560	136	166	5"1842BF
			125	3560	136	170	5"1842CF
145	335	125	3560	143	172	5"1842BF	
		125	3560	142	176	5"1842CF	
150	347	150	3560	149	177	5"1842BF	
		150	3560	148	182	5"1842CF	
155	358	150	3560	155	182	5"1842BF	
		150	3560	153	179	5"1842CF	
160	369	150	3560	160	186	5"1842BF	
		150	3560	170	195	5"1842CF	
165	381	150	3560	172	201	5"1842BF	
170	392	150	3560	188	206	5"1842BF	
175	404	200	3560	195	209	5"1842BF	
180	415	200	3560	207	216	5"1842BF	
185	427	200	3560	220	223	5"1842BF	
190	439	200	3560	227	227	5"1842BF	
195	450	200	3560	230	230	5"1842BF	
200	462	200	3560				

*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*	Pump Size & Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1 2 5 0 G P M	45	104	50	1770	56	50	8"1842F
	50	115	60	1770	64	54	8"1842F
	53	122	60	1770	69	59	8"1842F
	55	127	60	1770	64	65	6"1843F
	60	139	60	1770	68	81	6"1843F
	65	150	75	1770	75	77	6"1843F
	70	162	75	1770	85	81	6"1843F
	75	173	100	1770	94	86	6"1843F
	80	185	100	1770	100	90	6"1843F
	85	196	100	1770	110	94	6"1843F
			100	1770	112	96	6"1845F
	90	208	125	1770	119	98	6"1843F
			125	1770	119	101	6"1845F
	95	219	125	1770	126	110	6"1845F
			125	1770	128	103	6"1843F
	100	231	125	1770	126	111	6"1844BF
			125	1770	134	114	6"1845F
	105	243	125	1770	134	116	6"1844BF
			125	1770	141	118	6"1845F
	110	254	125	1770	141	121	6"1844BF
			150	1770	149	122	6"1845F
	115	265	150	1770	148	126	6"1844BF
			150	1770	157	125	6"1845F
	120	277	150	1770	156	132	6"1844BF
			150	1770	165	135	6"1845F
	125	289	150	1770	164	137	6"1844BF
			150	1770	172	138	6"1845F
	130	300	150	1770	172	142	6"1844BF
			200	1770	180	141	6"1845F
	135	312	200	1770	184	148	6"1844BF
			200	1770	187	147	6"1845F
	140	323	200	1770	195	151	6"1845F
200			1770	196	153	6"1844BF	
145	335	200	1770	219	154	6"1845F	
150	347	200	1770	230	161	6"1845F	
155	358	250	1770	243	168	6"1845F	
160	370	250	1770	254	172	6"1845F	
165	381	250	1770	264	179	6"1845F	
168	388	250	1770	268	182	6"1845F	

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SELECTION TABLES
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Flow	Pressure		Required Motor HP Rating			Maximum Shutoff*	Pump Size & Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
1500 GPM	40	92	50	1770	52	47	8"1842F
	45	104	60	1770	62	53	8"1842F
	50	115	60	1770	64	65	6"1843F
			75	1770	71	58	8"1842F
	55	127	60	1770	68	70	6"1843F
	60	139	75	1770	75	74	6"1843F
	65	150	75	1770	84	78	6"1843F
	70	162	100	1770	94	82	6"1843F
	71	164	75	1770	86	84	6"1843CF
			100	1770	93	89	6"1843CF
	75	173	100	1770	100	88	6"1843F
			100	1770	102	97	6"1843CF
			100	1770	110	93	6"1843F
	80	185	100	1770	112	96	6"1845F
			100	1770	110	100	6"1843CF
			125	1770	119	98	6"1843F
	85	196	125	1770	119	102	6"1845F
			100	1770	115	106	6"1843CF
			125	1770	126	107	6"1845F
	90	208	125	1770	128	104	6"1843F
			125	1770	121	107	6"1843CF
	91	210	125	1770	132	116	6"1844BF
	95	219	125	1770	134	113	6"1845F
			125	1770	136	121	6"1844BF
	100	231	125	1770	141	118	6"1845F
			125	1770	143	126	6"1844BF
	105	242	150	1770	149	123	6"1845F
			150	1770	150	131	6"1844BF
	110	254	150	1770	157	128	6"1845F
			150	1770	157	135	6"1844BF
	115	265	150	1770	165	133	6"1845F
			150	1770	164	139	6"1844BF
120	277	150	1770	172	138	6"1845F	
		150	1770	172	143	6"1844BF	
125	289	200	1770	180	143	6"1845F	
		200	1770	184	148	6"1844BF	
130	300	200	1770	187	147	6"1845F	
		200	1770	195	152	6"1844BF	
134	310	200	1770	195	152	6"1845F	
140	323	200	1770	216	157	6"1845F	
145	335	200	1770	228	162	6"1845F	
150	347	250	1770	241	167	6"1845F	
155	358	250	1770	250	172	6"1845F	
160	369	250	1770	260	177	6"1845F	
165	381	250	1770	268	182	6"1845F	

*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*	Pump Size & Model
	PSI	Feet	Motor HP	Speed (RPM)	Horsepower (BHP)		
2000 GPM	53	122	100	1770	106	63	8"1844BF
	55	127	100	1770	108	67	8"1844BF
	60	138	125	1770	123	70	8"1844BF
	65	150	125	1770	129	77	8"1844BF
	70	161	125	1770	139	82	8"1844BF
	75	173	150	1770	150	86	8"1844BF
	80	185	150	1770	165	91	8"1844BF
	85	196	150	1770	170	99	8"1844BF
	90	208	200	1770	179	106	8"1844BF
	95	219	200	1770	188	114	8"1844BF
	100	231	200	1770	189	122	6"1844CF
			200	1770	197	117	8"1844BF
	105	242	200	1770	198	130	6"1844CF
			200	1770	214	122	8"1844BF
	110	254	200	1770	208	135	6"1844CF
			200	1770	225	126	8"1844BF
	115	265	200	1770	217	140	6"1844CF
			250	1770	239	131	8"1844BF
	120	277	200	1770	226	145	6"1844CF
			250	1770	250	136	8"1844BF
125	289	200	1770	221	148	6"1845F	
		200	1770	230	148	6"1844CF	
		250	1770	265	141	8"1844BF	
130	300	200	1770	226	154	6"1845F	
		250	1770	235	153	6"1844CF	
		250	1770	270	148	8"1844BF	
135	312	250	1770	238	159	6"1845F	
		250	1770	243	157	6"1844CF	
140	323	250	1770	243	165	6"1845F	
		250	1770	251	161	6"1844CF	
145	335	250	1770	248	170	6"1845F	
150	347	250	1770	263	176	6"1845F	
2500 GPM	75	173	150	1770	166	95	8"1844BF
	80	185	150	1770	172	100	8"1844BF
	85	196	200	1770	182	106	8"1844BF
	90	208	200	1770	194	111	8"1844BF
	95	219	200	1770	206	116	8"1844BF
	100	231	200	1770	220	122	8"1844BF
	105	242	200	1770	230	126	8"1844BF
	110	254	250	1770	243	132	8"1844BF
	115	265	250	1770	255	137	8"1844BF
	120	277	250	1770	272	141	8"1844BF
125	289	250	1770	286	148	8"1844BF	
130	300	300	1770	305	153	8"1844BF	

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



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