

**Vertical Split Case
50Hz Selection Table
Electric Motor Driven**

Section 912 Page 603
Date May 3, 2019
Supersedes October 1, 2018

GPM	Rated Pressure (PSI)	Required Motor HP Rating			Maximum Shutoff*	Pump Size & Model
		Electric Motor HP	Speed (RPM)	Horsepower (BHP)		
250 GPM	40	15	2950	13	43	3"1844F
	45	15	2950	16	49	3"1844F
	50	20	2950	19	54	3"1844F
	51	15	2950	13	62	21/2"1843BF
	55	15	2950	15	66	21/2"1843BF
		20	2950	21	59	3"1844F
	60	15	2950	17	70	21/2"1843BF
		25	2950	24	64	3"1844F
	65	20	2950	18	74	21/2"1843BF
		25	2950	27	66	3"1844F
	70	20	2950	20	78	21/2"1843BF
		30	2950	30	72	3"1844F
	75	20	2950	21	83	21/2"1843BF
		30	2950	33	78	3"1844F
	80	25	2950	24	88	21/2"1843BF
		40	2950	36	84	3"1844F
	85	25	2950	26	94	21/2"1843BF
		40	2950	39	88	3"1844F
	90	25	2950	28	98	21/2"1843BF
		40	2950	42	94	3"1844F
95	30	2950	31	103	21/2"1843BF	
	40	2950	44	99	3"1844F	
100	30	2950	33	108	21/2"1843BF	
	40	2950	46	101	3"1844F	
105	30	2950	34	112	21/2"1843BF	
	50	2950	50	106	3"1844F	
110	40	2950	37	116	21/2"1843BF	
115	40	2950	39	121	21/2"1843BF	
	50	2950	52	116	3"1844F	
120	50	2950	54	123	3"1844F	

500 GPM	55	25	2950	28	62	4"1843CF
	60	30	2950	34.5	67	4"1843CF
	61	30	2950	31.5	69	4"1843DF
	65	30	2950	34	72	4"1843DF
	70	40	2950	37	78	4"1843DF
	75	40	2950	40	82	4"1843DF
	80	40	2950	44	86	4"1843DF
	85	50	2950	47	91	4"1843DF
	90	50	2950	50	95	4"1843DF
	95	50	2950	54	102	4"1843DF
	100	50	2950	57	108	4"1843DF
	105	60	2950	61	112	4"1843DF
	110	60	2950	65	117	4"1843DF
	115	60	2950	68	123	4"1843DF
	120	75	2950	71	126	4"1843DF
	125	75	2950	76	133	4"1843DF
130	75	2950	80	139	4"1843DF	
134	75	2950	83	143	4"1843DF	

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



**Vertical Split Case
50Hz Selection Table
Electric Motor Driven**

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Date May 3, 2019
Supersedes October 1, 2018

GPM	Rated Pressure (PSI)	Required Motor HP Rating			Maximum Shutoff*	Pump Size & Model
		Electric Motor HP	Speed (RPM)	Horsepower (BHP)		
750 GPM	105	75	2950	82	118	5"1842CF
	110	75	2950	86	125	5"1842CF
	115	100	2950	94	130	5"1842CF
	120	100	2950	97	135	5"1842CF
	125	100	2950	103	137	5"1842CF
	130	100	2950	107	141	5"1842CF
	135	100	2950	115	145	5"1842CF
	140	125	2950	119	150	5"1842CF
	145	125	2950	128	154	5"1842CF
	150	125	2950	138	158	5"1842CF
154	125	2950	143	162	5"1842CF	

1000 GPM	81	100	1480	108	85	6"1844CF
	85	100	1480	115	90	6"1844CF
	90	125	1480	122	94	6"1844CF
	95	125	1480	129	99	6"1844CF
	97	75	2950	86	112	5"1842CF
	100	100	2950	87	121	5"1842CF
		125	1480	136	104	6"1844CF
	105	100	2950	90	123	5"1842CF
		125	1480	143	110	6"1844CF
	108	150	1480	147	112	6"1844CF
	110	100	2950	98	126	5"1842CF
	115	100	2950	102	132	5"1842CF
	120	100	2950	108	137	5"1842CF
	125	100	2950	115	142	5"1842CF
	130	125	2950	122	147	5"1842CF
	135	125	2950	129	150	5"1842CF
140	125	2950	135	155	5"1842CF	
145	125	2950	141	158	5"1842CF	

1250	78	100	1480	108	85	6"1844CF
	80	100	1480	110	88	6"1844CF
	85	125	1480	118	92	6"1844CF
	90	125	1480	125	97	6"1844CF
	95	125	1480	132	101	6"1844CF
	100	125	1480	139	106	6"1844CF
105	150	1480	145	111	6"1844CF	

1500	75	100	1480	115	86	6"1844CF
	80	125	1480	120	90	6"1844CF
	85	125	1480	129	96	6"1844CF
	90	125	1480	137	101	6"1844CF
	95	125	1480	143	105	6"1844CF
	100	150	1480	150	110	6"1844CF
103	150	1480	157	112	6"1844CF	

2000 GPM	52	100	1480	98	62	8"1844BF
	55	100	1480	105	66	8"1844BF
	60	100	1480	115	70	8"1844BF
	65	125	1480	125	77	8"1844BF
	70	125	1480	135	82	8"1844BF
	75	150	1480	148	87	8"1844BF
	80	150	1480	158	91	8"1844BF
	85	150	1480	168	100	8"1844BF
90	200	1480	175	107	8"1844BF	

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