

Fire pump selection chart

Horizontal split case diesel driven

File No: F46.230

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HORIZONTAL SPLIT CASE - DIESEL DRIVEN

HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)		
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)
41	95	5×4×12HF	21	√	√	√	JU4H-UF10	1760	41
45	104		23	√	√	√			
50	116		25	√	√	√			
55	128		28	√	√	√			
60	139		31	√	√	√			
65	151		35	√	√	√	JU4H-UF10	2350	55
70	162		38	√	√	√			
75	174		41	√	√	√			
80	185		44	√	√	√			
85	197		47	√	√	√			
90	208	50	√	√	√	JU4H-UF20	2350	72	
95	220	53	√	√	√				
100	231	55	√	√	√				
105	243	58	√	√	√	JU4H-UF14	3000	71	
110	255	61	√	√	√				
115	266	65	√	√	√	JU4H-UF24	3000	83	
120	278	71	√	√	√				
125	289	76	√	√	√				

NOTE:

Shaded areas indicate pump capacities which can be supplied by END SUCTION FIRE PUMP.

See file F40.230 for end suction diesel driven selection charts.

(1) Engine selection is based on the most economical engine and pump speed.

Other speeds and engine may be available. Refer to pump curves and engine table file F43.720.

(2) Engine HP is only for installations up to 300ft elevation above sea level and ambient temperature of 77°F.

At higher elevations, and higher ambient temperatures, engine must be derated. See chart in diesel section file F43.720 P.3

HORIZONTAL SPLIT CASE - DIESEL DRIVEN

HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)		
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)
45	104	6x5x12HF	31	√	√	√	JU4H-UF10	1760	41
50	116	6x5x9.5F	35	√	√	√	JU4H-UF12	2600	59
55	128		38	√	√	√			
60	139	6x5x12MF	45	√	√	√	JU4H-UF12	2350	55
65	151		47	√	√	√			
70	162		50	√	√	√			
75	174		53	√	√	√			
80	185	5x4x12HF	57	√	√	√	JU4H-UF20	2350	72
85	197		61	√	√	√			
90	208		64	√	√	√			
95	220		68	√	√	√			
100	231		72	√	√	√			
105	243	6x5x12MF	76	√	√	√	JU4H-UF30	2350	85
110	255		80	√	√	√	JU4H-UF32	2600	85
115	266		85	√	√	√			
120	278		90	√	√	√	JU4H-UFH2	2600	99
125	289		95	√	√	√			
130	301		101	√	√	√	JU4H-UF42	2600	106
135	312		106	√	√	√			
140	324		112	√	√	√	JU4H-UF52	2600	127
145	335	111	√	√	√	JU4H-UF34	3000	115	
150	347	8x6x16F	146	√	√	√	JU6H-UF30	2100	160
155	359		151	√	√	√			
160	370		156	√	√	√			
165	382	6x5x12MF	133	√	√	√	JU4H-UF54	3000	145
170	393		139	√	√	√			
175	405		145	√	√	√			
180	416		151	√	√	√	JU6H-UF34	3000	175
185	428		157	√	√	√			

NOTE:

Shaded areas indicate pump capacities which can be supplied by END SUCTION FIRE PUMP.

See file F40.230 for end suction diesel driven selection charts.

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At higher elevations, and higher ambient temperatures, engine must be derated. See chart in diesel section file F43.720 P.3

HORIZONTAL SPLIT CASE - DIESEL DRIVEN

HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)					
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)			
51	118	6x5x15F	45	√	√	√	JU4H-UF20	1780	60			
55	128		48	√	√	√						
60	139		53	√	√	√						
65	151		57	√	√	√						
70	162	8x6x10LF	69	√	√	√	JU4H-UF22	2600	75			
75	174	6x5x15F	73	√	√	√	JU4H-UF30	2100	79			
80	185		77	√	√	√						
85	197	6x5x12HF	85	√	√	√	JU4H-UF30	2350	85			
90	208		92	√	√	√	JU4H-UFH0	2350	98			
95	220		98	√	√	√						
100	231	6x5x12MF	91	√	√	√	JU4H-UFH2	2600	99			
105	243		96	√	√	√						
110	255		102	√	√	√				JU4H-UF42	2600	106
115	266	6x5x15F	115	√	√	√	JU4H-UF50	2100	130			
120	278		121	√	√	√						
125	289		127	√	√	√						
130	301		134	√	√	√				JU6H-UFDO	2100	144
135	312		141	√	√	√						
140	324	6x5x12MF	130	√	√	√	JU4H-UF54	3000	145			
145	335		136	√	√	√						
150	347		142	√	√	√						
155	359		148	√	√	√	JU6H-UF34	3000	175			
160	370		155	√	√	√						
165	382		162	√	√	√						
170	393		169	√	√	√	JU6H-UF34	3000	175			
175	404		177	√	√	√	JU6H-UF54	3000	216			
180	416		6x5x15F	199	√	√	√	JU6H-UF54	3000	216		
185	428			205	√	√	√					
190	439	211		√	√	√						
195	451	217		√	√	√	JU6H-UF84	3000	275			
200	462	223		√	√	√						
205	474	228		√	√	√						
210	486	234		√	√	√						
215	497	240		√	√	√						
220	509	245		√	√	√						
225	520	252		√	√	√						
230	532	258		√	√	√						
236	546	264		√	√	√						

NOTE:

Shaded areas indicate pump capacities which can be supplied by END SUCTION FIRE PUMP.

See file F40.230 for end suction diesel driven selection charts.

(1) Engine selection is based on the most economical engine and pump speed.

Other speeds and engine may be available. Refer to pump curves and engine table file F43.720.

(2) Engine HP is only for installations up to 300ft elevation above sea level and ambient temperature of 77°F.

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HORIZONTAL SPLIT CASE - DIESEL DRIVEN

1250 GPM									
HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)		
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)
40	93	8×6×12.5HF	45	√	√	√	JU4H-UF20	1760	60
45	104		49	√	√	√			
50	116		54	√	√	√			
55	128	8×6×12.5MF	63	√	√	√	JU4H-UF20	2350	72
60	139		67	√	√	√			
65	151		72	√	√	√			
70	162		77	√	√	√			
75	174		81	√	√	√			
80	185	6×5×15F	88	√	√	√	JU4H-UFH0	2100	88
85	197		94	√	√	√	JU4H-UF40	2100	105
90	208		99	√	√	√			
95	220		105	√	√	√			
100	231		111	√	√	√	JU4H-UF50	2100	130
105	243		117	√	√	√			
110	255		124	√	√	√			
115	266		134	√	√	√	JU6H-UFDO	2350	148
120	278		140	√	√	√			
125	289		146	√	√	√			
130	301	157	√	√	√	JU6H-UF32	2600	160	
135	312	8×6×12.5LF	168	√	√	√	JU6H-UF34	3000	175
140	324		174	√	√	√			
145	335	6×5×15F	177	√	√	√	JU6H-UFM2	2600	200
150	347		183	√	√	√			
155	359		190	√	√	√			
160	370		195	√	√	√			
165	382		203	√	√	√	JU6H-UF52	2600	210
170	393		203	√	√	√	JU6H-UF54	2800	216
175	405		210	√	√	√			
180	416		216	√	√	√			
185	428		223	√	√	√	JU6H-UFAB76	2800	225
190	439		239	√	√	√	JU6H-UF62	2600	240
195	451	247	√	√	√	JU6H-UF84	3000	275	
200	462	254	√	√	√				
205	474	261	√	√	√				
210	486	268	√	√	√				
214	495	272	√	√	√				

NOTE:

Shaded areas indicate pump capacities which can be supplied by END SUCTION FIRE PUMP.

See file F40.230 for end suction diesel driven selection charts.

(1) Engine selection is based on the most economical engine and pump speed.

Other speeds and engine may be available. Refer to pump curves and engine table file F43.720.

(2) Engine HP is only for installations up to 300ft elevation above sea level and ambient temperature of 77°F.

At higher elevations, and higher ambient temperatures, engine must be derated. See chart in diesel section file F43.720 P.3

HORIZONTAL SPLIT CASE - DIESEL DRIVEN

HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)		
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)
50	116	8x6x12.5HF	64	√	√	√	JU4H-UFH8	1760	73
55	128		71	√	√	√			
60	139		85	√	√	√	JU4H-UFH0	2100	88
65	151		90	√	√	√	JU4H-UF40	2100	105
70	162		97	√	√	√			
75	174	8x6x12.5MF	88	√	√	√	JU4H-UFH0	2350	98
80	185		95	√	√	√			
85	197		102	√	√	√	JU4H-UF40	2350	106
90	208	8x6x12.5HF	132	√	√	√	JU6H-UFDO	2100	144
95	220		142	√	√	√			
100	231		141	√	√	√	JU6H-UFDO	2350	148
105	243	8x6x12.5MF	138	√	√	√	JU6H-UFD2	2600	148
110	255		145	√	√	√			
115	266		152	√	√	√	JU6H-UF32	2600	160
120	278		160	√	√	√			
125	289		167	√	√	√	JU6H-UF34	3000	175
130	301	6x5x15F	169	√	√	√	JU6H-UFABLO	2350	173
135	312		176	√	√	√	JU6H-UFM2	2350	200
140	324		184	√	√	√			
145	335		193	√	√	√			
150	347		202	√	√	√	JU6H-UF52	2600	210
155	359		210	√	√	√	JU6H-UF52	2600	210
160	370		211	√	√	√	JU6H-UF54	2800	216
165	382		219	√	√	√	JU6H-UFAB76	2800	225
170	393		226	√	√	√	JU6H-UF84	2800	259
175	405		232	√	√	√			
180	416	239	√	√	√				
185	428	247	√	√	√				
190	439	255	√	√	√				

NOTE:

Shaded areas indicate pump capacities which can be supplied by END SUCTION FIRE PUMP.
See file F40.230 for end suction diesel driven selection charts.

(1) Engine selection is based on the most economical engine and pump speed.

Other speeds and engine may be available. Refer to pump curves and engine table file F43.720.

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HORIZONTAL SPLIT CASE - DIESEL DRIVEN

HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)		
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)
45	104	10x8x11HF	78	√	√	√	JU4H-UF40	1760	94
50	116		89	√	√	√			
53	123		95	√	√	√	JU4H-UF58	1760	110
60	139		114	√	√	√	JU4H-UF50	2100	130
65	151		122	√	√	√			
70	162		132	√	√	√	JU6H-UFDO	2100	144
75	174		142	√	√	√			
80	185		151	√	√	√	JU6H-UF30	2100	160
85	197	8x6x15MF	139	√	√	√	JU6H-UF68	1760	149
90	208		146	√	√	√	JU6H-UF30	2100	160
95	220		156	√	√	√			
100	231		166	√	√	√	JU6H-FABLO	2100	173
105	243		177	√	√	√	JU6H-UFMO	2100	207
110	255		188	√	√	√			
115	266		199	√	√	√	JU6H-UF52	2350	210
120	278		207	√	√	√			
125	289	223	√	√	√	JU6H-UF60	2100	240	
130	301	235	√	√	√				
135	312	8x6x16F	240	√	√	√	JU6H-UF60	2100	240
140	324	10x8x11MF	261	√	√	√	JU6H-UF84	3000	275
145	335		271	√	√	√			
150	347	8x6x15MF	273	√	√	√	JU6H-UFADTO	2350	275
155	358		285	√	√	√	DFP6-1013-C20	2350	286
160	370		296	√	√	√	DFP6-1013-C27	2350	312
166	384		311	√	√	√			

NOTE:

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HORIZONTAL SPLIT CASE - DIESEL DRIVEN

2500 GPM

HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)		
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)
80	185	10x8x14HF	176	√	√	√	JU6H-UF58	1760	183
85	197		186	√	√	√	CFP59-F50	1760	188
91	211		206	√	√	√	JU6H-UF50	2100	210
95	220		217	√	√	√	JU6H-UF60	2100	240
100	231		229	√	√	√			
105	243	12x8x18F	247	√	√	√	JU6H-UFAARG	1760	252
110	255	10x8x14HF	252	√	√	√	JU6H-UFADSO	2100	260
115	266		268	√	√	√	JU6H-UFADSO	2350	268
120	278		275	√	√	√	JW6H-UFADSO	2100	311
125	289		288	√	√	√			
130	301	12x8x18F	321	√	√	√	JW6H-UFAAM8	1760	373
135	312		335	√	√	√			

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HORIZONTAL SPLIT CASE - DIESEL DRIVEN

HEAD		PUMP SIZE	MAX BHP	LISTING			SUGGESTED DIESEL(1)		
PSI	FT			ULC	UL	FM	MODEL	RPM	HP(2)
79	182	12x8x18F	197	√	√	√	JU6H-UF68	1760	200
85	196		215	√	√	√	JU6H-UFAAQ8	1760	227
90	208		230	√	√	√	JU6H-UFAARG	1760	252
95	219		245	√	√	√			
100	231		262	√	√	√	JU6H-UFADW8	1760	282
105	243		277	√	√	√			
110	254		295	√	√	√	JU6H-UFADX8	1760	305
115	266		312	√	√	√	JW6H-UFAAM8	1760	373
120	277		328	√	√	√			
125	289		344	√	√	√			
131	300		365	√	√	√			

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At higher elevations, and higher ambient temperatures, engine must be derated. See chart in diesel section file F43.720 P.3

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