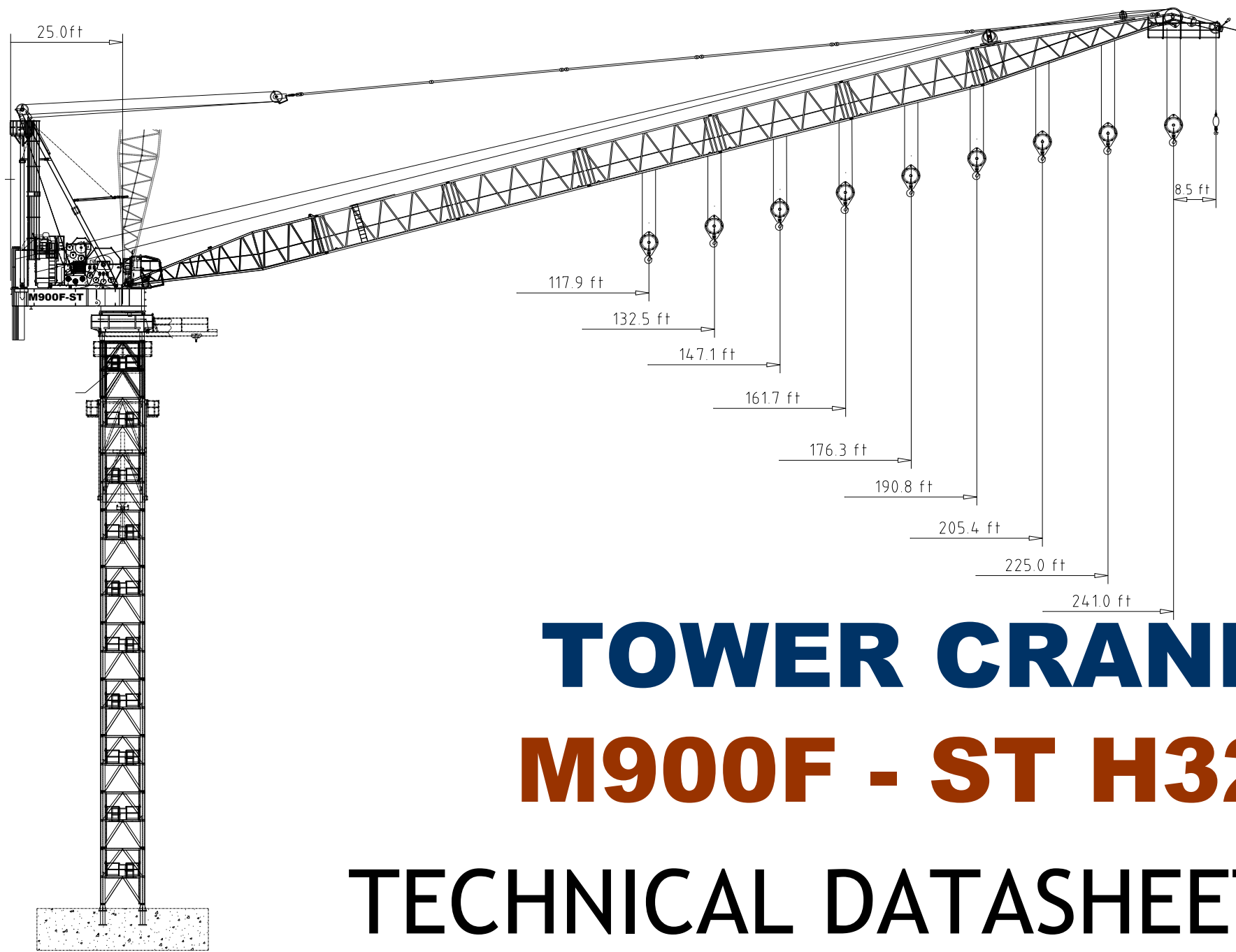
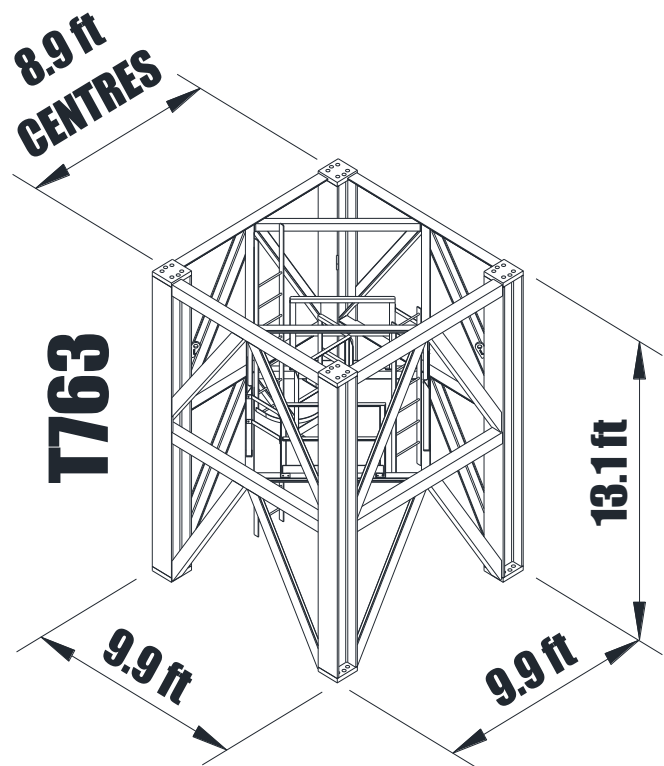




TOWER CRANE

M900F - ST H32

TECHNICAL DATASHEET



BOOM	LOAD @ RADIUS
120 ft	141,000 lbs @ 50.0 ft 70,100 lbs @ 110.0 ft
135 ft	141,000 lbs @ 50.0 ft 59,900 lbs @ 132.5 ft
150 ft	141,000 lbs @ 50.0 ft 51,800 lbs @ 147.1 ft
165 ft	141,000 lbs @ 50.0 ft 43,200 lbs @ 161.7 ft
180 ft	141,000 lbs @ 40.0 ft 37,300 lbs @ 176.3 ft
195 ft	141,000 lbs @ 40.0 ft 31,300 lbs @ 190.8 ft
210 ft	125,400 lbs @ 40.0 ft 26,300 lbs @ 205.4 ft
225 ft	105,600 lbs @ 40.0 ft 21,700 lbs @ 220.0 ft
241 ft	87,000 lbs @ 40.0 ft 16,500 lbs @ 234.6 ft



www.favellefavco.com

M900F-ST H32 MAIN HOIST RADIUS AND CAPACITY (WITH AUXILIARY HOIST)

SAFE WORKING LOAD - HOIST WINCH 35.3 US TON x 2-FALL

Boom Length	120 ft		135 ft		150 ft		165 ft		180 ft		195 ft		210 ft		225 ft		241 ft					
Minimum	16.0		17.1		18.1		19.2		20.2		21.3		22.3		23.4		24.4					
	141,000	86.0	141,000	86.0	141,000	86.0	141,000	86.0	141,000	86.0	141,000	86.0	138,400	86.0	117,200	86.0	93,600	86.0				
Radius	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle				
30	141,000	79.2	141,000	80.4	141,000	81.4	141,000	82.2	141,000	82.9	141,000	83.4	130,400	83.9	109,800	84.3	90,800	84.7				
40	141,000	74.2	141,000	76.1	141,000	77.5	141,000	78.7	141,000	79.6	141,000	80.4	125,400	81.1	105,600	81.7	87,000	82.3				
50	141,000	69.1	141,000	71.6	141,000	73.5	141,000	75.1	141,000	76.4	140,400	77.4	119,700	78.4	100,700	79.2	83,300	79.8				
60	139,600	63.8	139,200	67.0	139,200	69.4	138,100	71.4	138,900	73.0	132,300	74.4	115,100	75.5	96,500	76.5	79,600	77.4				
70	127,300	58.2	126,100	62.2	126,000	65.2	122,800	67.7	125,000	69.6	118,400	71.3	110,100	72.7	92,100	73.9	76,500	74.9				
80	109,300	52.2	108,200	57.1	107,800	60.9	104,900	63.8	106,700	66.2	100,200	68.1	98,100	69.8	85,100	71.2	73,600	72.4				
90	95,300	45.5	94,200	51.8	93,700	56.3	91,100	59.8	92,400	62.6	86,400	64.9	84,700	66.8	81,400	68.5	71,000	69.9				
100	84,400	37.9	83,300	45.9	82,700	51.4	80,300	55.6	81,100	58.9	75,700	61.6	74,100	63.8	72,400	65.7	68,200	67.3				
110	75,600	28.1	74,400	39.2	73,700	46.1	71,300	51.1	72,000	55.0	66,800	58.1	65,400	60.7	63,800	62.8	63,700	64.7				
120			67,000	31.3	66,200	40.3	63,900	46.4	64,300	50.9	59,300	54.5	58,200	57.4	56,600	59.9	56,500	62.0				
130			60,900	20.7	59,800	33.6	57,800	41.2	57,600	46.6	53,100	50.7	52,000	54.1	50,500	56.9	50,000	59.2				
140					54,600	25.2	52,600	35.3	51,900	41.9	48,200	46.7	47,100	50.6	45,500	53.7	44,400	56.4				
150							47,400	28.2	47,100	36.6	43,600	42.4	42,600	46.9	41,100	50.4	39,700	53.4				
160							43,700	18.5	42,900	30.5	39,400	37.7	38,800	42.9	37,300	47.0	35,600	50.3				
170									39,300	22.9	35,900	32.3	35,500	38.6	34,000	43.3	31,900	47.1				
180											33,100	26.0	32,500	33.8	31,000	39.3	28,700	43.7				
190											31,500	17.3	29,800	28.2	28,300	35.0	25,800	40.0				
200															27,500	21.1	25,800	30.0	23,300	36.0		
210																	23,600	24.0	21,000	31.5		
220																					19,000	26.4
230																					17,200	20.0
Maximum	70,100	15.0	59,900	15.0	51,800	15.0	43,200	15.0	37,300	15.0	31,300	15.0	26,300	15.0	21,700	15.0	16,500	15.0				
		119.2		133.8		148.4		162.9		177.5		192.1		205.1		221.2		235.8				

SAFE WORKING LOAD - HOIST WINCH 35.3 US TON x 1-FALL

Boom Length	120 ft		135 ft		150 ft		165 ft		180 ft		195 ft		210 ft		225 ft		241ft	
Minimum	16.1		17.1		18.2		19.2		20.3		21.4		22.4		23.5		24.5	
	70,500	86.0	70,500	86.0	70,500	86.0	70,500	86.0	70,500	86.0	70,500	86.0	70,500	86.0	70,500	86.0	70,500	86.0
Radius	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle	SWL	Angle
30	70,500	79.3	70,500	80.5	70,500	81.4	70,500	82.2	70,500	82.9	70,500	83.4	70,500	83.9	70,500	84.3	70,500	84.7
40	70,500	74.3	70,500	76.1	70,500	77.5	70,500	78.7	70,500	79.7	70,500	80.5	70,500	81.2	70,500	81.8	70,500	82.3
50	70,500	69.2	70,500	71.7	70,500	73.6	70,500	75.1	70,500	76.4	70,500	77.5	70,500	78.4	70,500	79.2	70,500	79.9
60	70,500	63.9	70,500	67.0	70,500	69.5	70,500	71.5	70,500	73.1	70,500	74.4	70,500	75.6	70,500	76.6	69,500	77.4
70	70,500	58.3	70,500	62.3	70,500	65.3	70,500	67.7	70,500	69.7	70,500	71.3	70,500	72.7	70,500	73.9	66,700	75.0
80	70,500	52.3	70,500	57.2	70,500	61.0	70,500	63.9	70,500	66.2	70,500	68.2	70,500	69.8	70,500	71.2	63,500	72.5
90	70,500	45.8	70,500	51.9	70,500	56.4	70,500	59.9	70,500	62.7	70,500	65.0	70,500	66.9	70,500	68.5	60,400	69.9
100	70,500	38.2	70,500	46.1	70,500	51.5	70,500	55.7	70,500	59.0	70,500	61.6	69,600	63.9	69,600	65.7	57,400	67.4
110	70,500	28.7	70,300	39.5	68,700	46.3	68,700	51.3	68,500	55.1	67,900	58.2	63,500	60.7	63,400	62.9	54,500	64.7
120	 Radius = crane radius in ft. SWL = rated capacity in lbs. Angle = boom angle in unit of degree.		65,900	31.8	63,300	40.5	62,900	46.5	62,000	51.0	60,500	54.6	57,000	57.5	56,600	60.0	51,500	62.0
130			59,100	21.5	57,900	33.9	56,900	41.4	55,800	46.7	53,900	50.8	51,300	54.2	50,500	56.9	48,600	59.3
140					52,900	25.7	51,800	35.6	50,400	42.0	48,600	46.9	46,000	50.7	45,600	53.8	44,700	56.4
150							47,200	28.6	45,400	36.8	43,900	42.6	41,500	47.0	41,200	50.5	40,200	53.5
160							43,300	19.1	41,400	30.8	39,800	37.9	37,700	43.0	37,400	47.1	36,200	50.4
170									38,000	23.4	36,200	32.6	34,600	38.7	34,000	43.4	32,600	47.2
180											33,200	26.4	31,600	34.0	30,800	39.5	29,500	43.8
190											30,700	18.0	28,900	28.5	28,100	35.2	26,700	40.1
200													26,600	21.6	25,600	30.2	24,200	36.1
210															23,400	24.4	22,000	31.7
220																	20,000	26.6
230																	18,200	20.4
Maximum	68,500	15.0	57,500	15.0	49,600	15.0	42,100	15.0	36,100	15.0	30,400	15.0	25,300	15.0	21,300	15.0	17,300	15.0
	119.9		134.4		149.0		163.6		178.2		192.7		207.3		221.9		236.5	

NOTE

All charts are for information only and should not be used for lifting purposes. Favelle Favco reserves the right to make specification changes without prior notice.

M900F-ST H32 AUXILIARY HOIST RADIUS AND CAPACITY

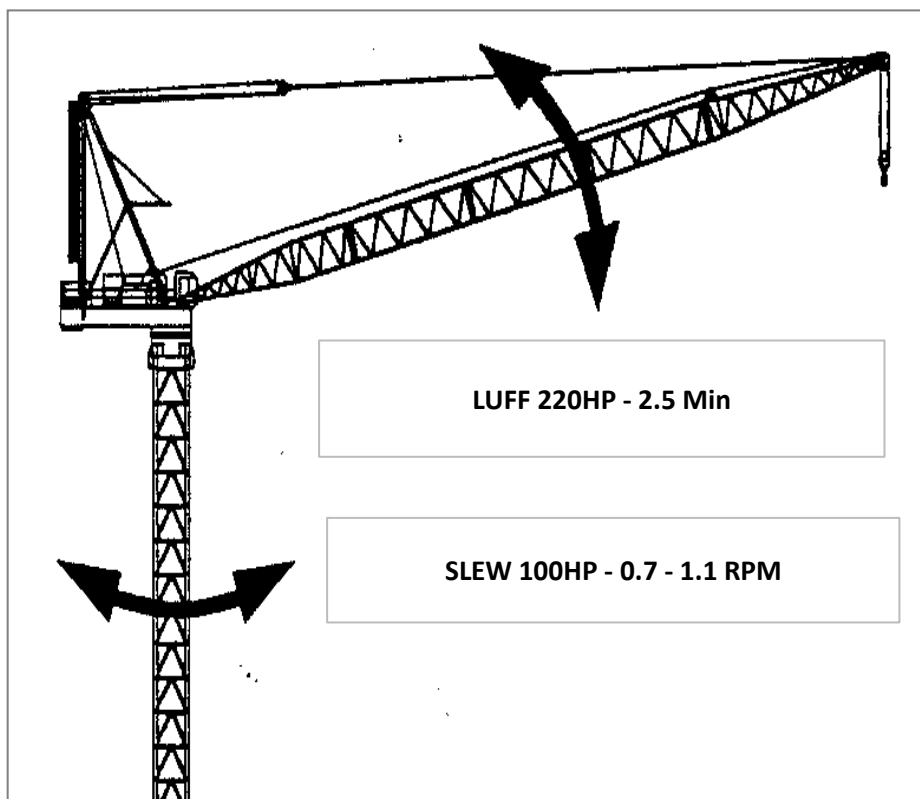
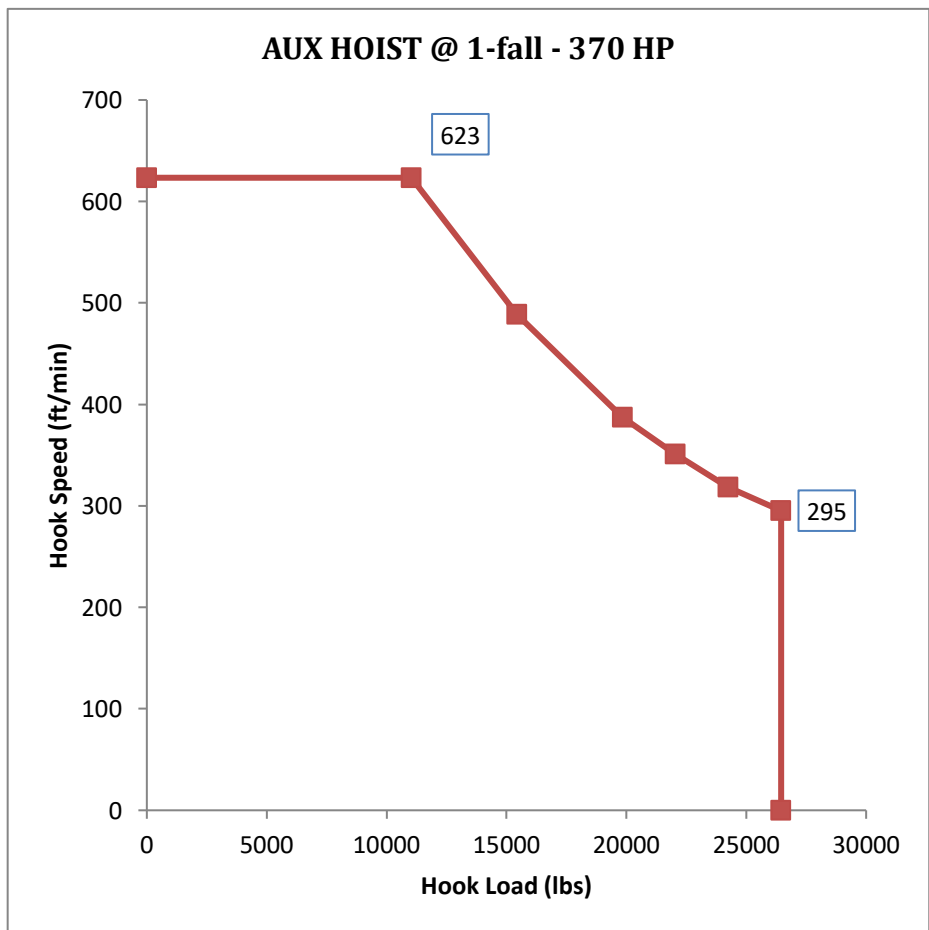
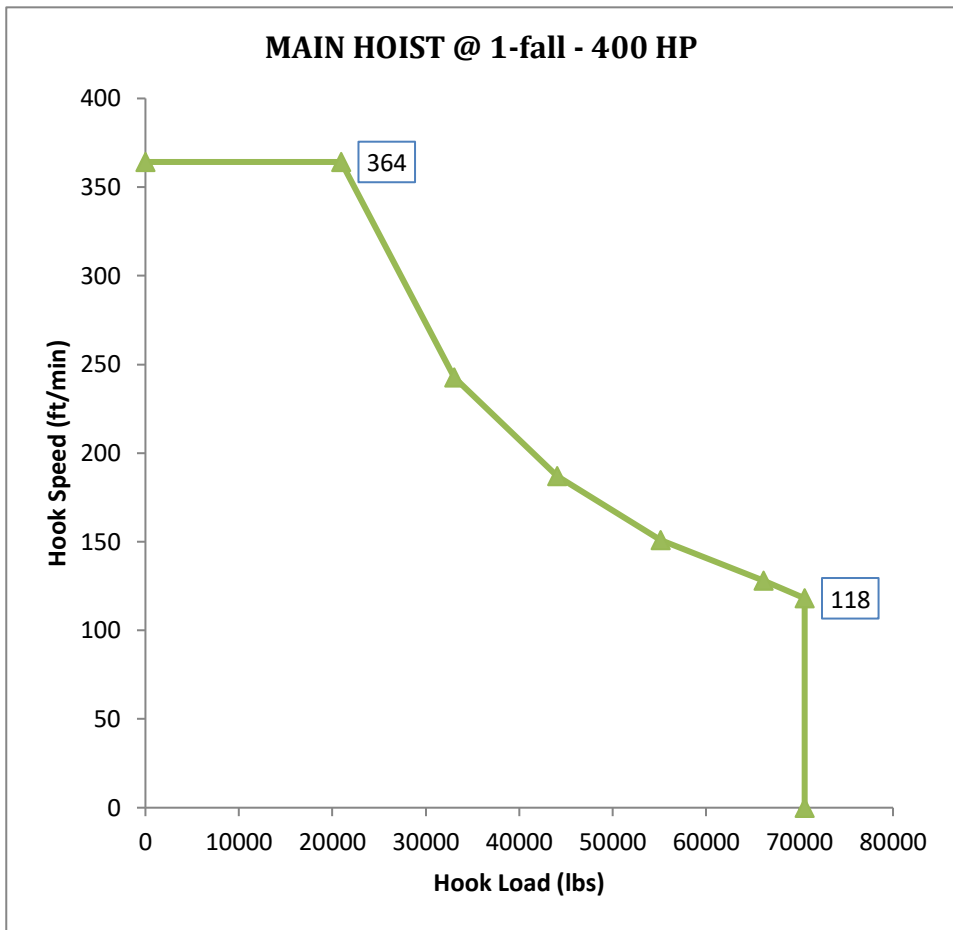
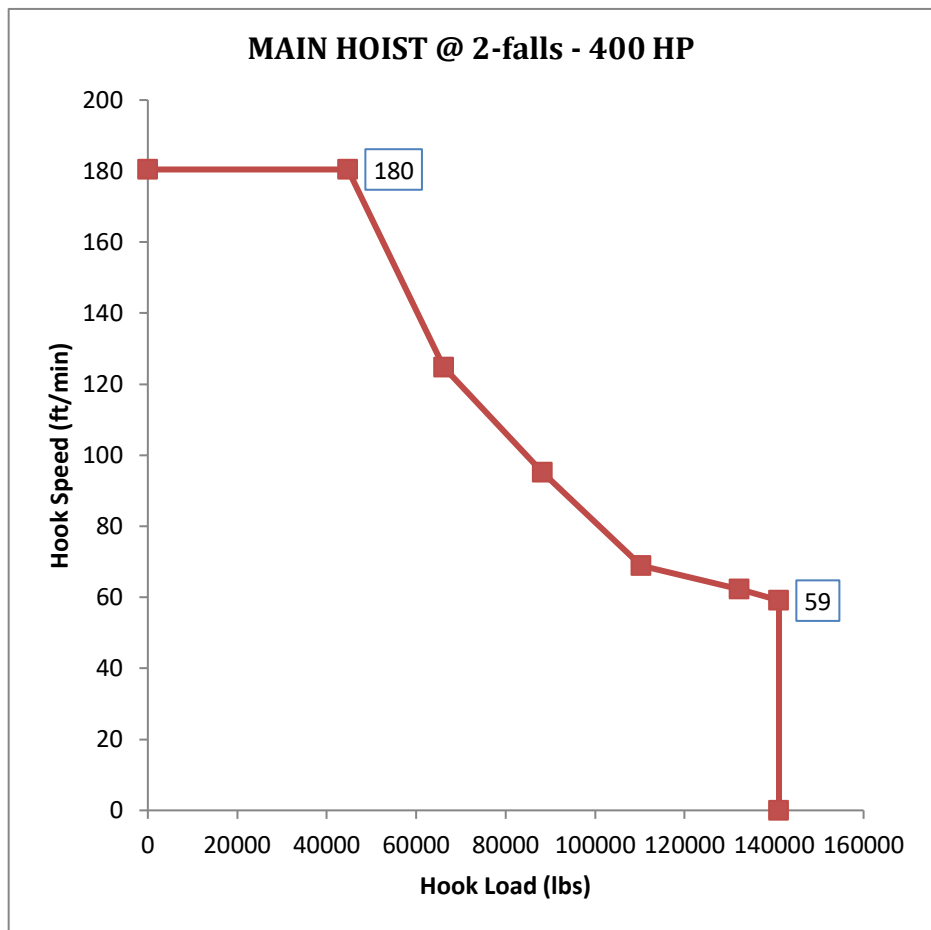


1-FALL											
Boom Length (feet)			120	135	150	165	180	195	210	225	241
Min Radius (feet)			19.4	20.5	21.5	22.6	23.6	24.7	25.7	26.8	27.8
SWL at Min Radius (lbs)			26400	26400	26400	26400	26400	26400	26400	26400	26400
Radius (ft)	30	Capacity (ton)	26400	26400	26400	26400	26400	26400	26400	26400	26400
	40		26400	26400	26400	26400	26400	26400	26400	26400	26400
	50		26400	26400	26400	26400	26400	26400	26400	26400	26400
	60		26400	26400	26400	26400	26400	26400	26400	26400	26400
	70		26400	26400	26400	26400	26400	26400	26400	26400	26400
	80		26400	26400	26400	26400	26400	26400	26400	26400	26400
	90		26400	26400	26400	26400	26400	26400	26400	26400	26400
	100		26400	26400	26400	26400	26400	26400	26400	26400	26400
	110		26400	26400	26400	26400	26400	26400	26400	26400	26400
	120			26400	26400	26400	26400	26400	26400	26400	26400
	130		-	26400	26400	26400	26400	26400	26400	26400	26400
	140		-		26400	26400	26400	26400	26400	26400	26400
	150		-	-		26400	26400	26400	26400	26400	26400
	160		-	-	-	26400	26400	26400	26400	26400	26400
	170		-	-	-		26400	26400	26400	26400	26400
	180		-	-	-	-		26400	26400	26400	26400
	190		-	-	-	-	-	26400	26400	26400	26200
	200		-	-	-	-	-		26200	25700	23800
	210		-	-	-	-	-	-	-	23500	21600
	220		-	-	-	-	-	-	-	21500	19700
	230		-	-	-	-	-	-	-	-	17900
Max Radius (feet)			127.2	141.8	156.4	170.9	185.5	200.1	214.7	229.2	243.8
SWL at Max Radius (lbs)			26400	26400	26400	26400	26400	26400	23700	19800	15600

Notes:

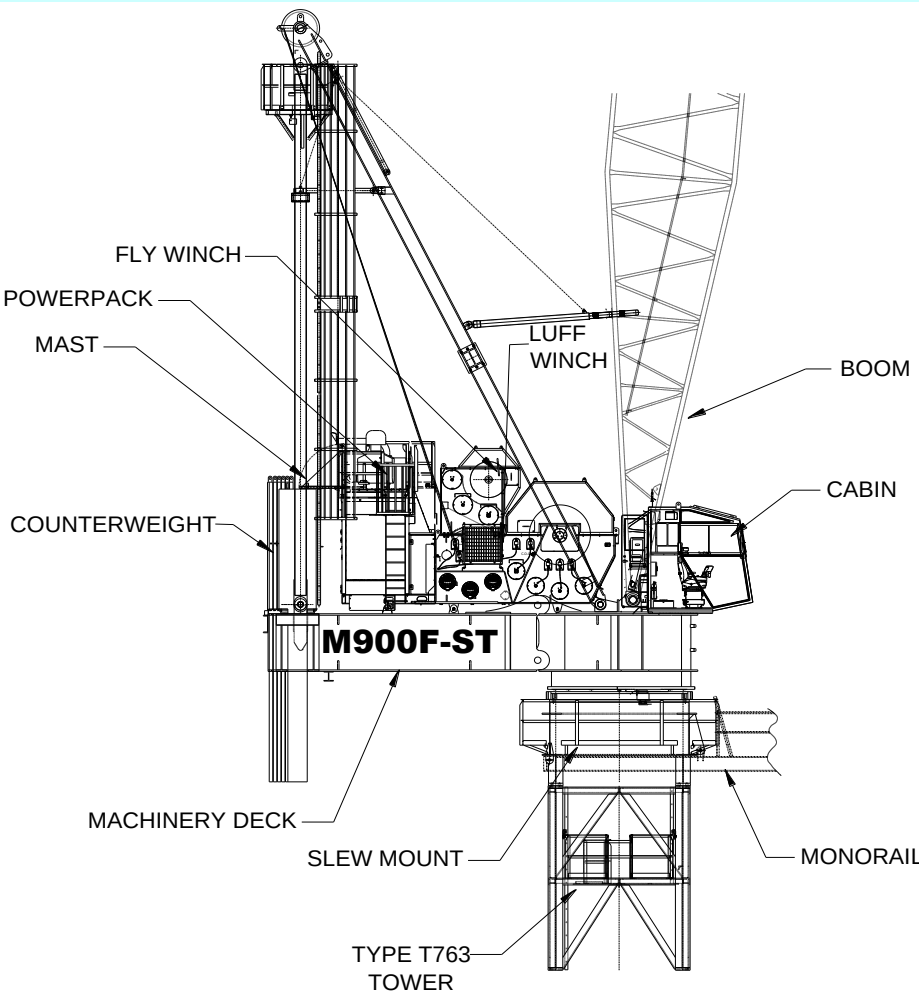
All charts are for information only and should not be used for lifting purposes. Favelle Favco reserves the right to make specification changes without prior notice.

OPERATION PERFORMANCE - DIESEL HYDRAULIC DRIVES M900F

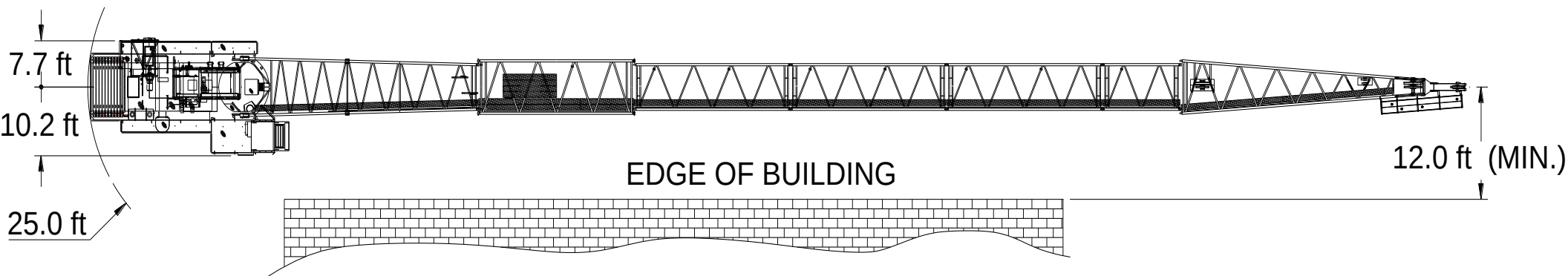


Prime Mover
Diesel Engine 540HP @ 2100 rpm

TYPICAL CRANE ASSEMBLY

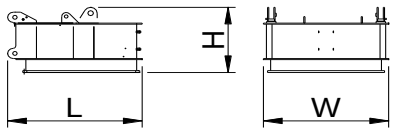
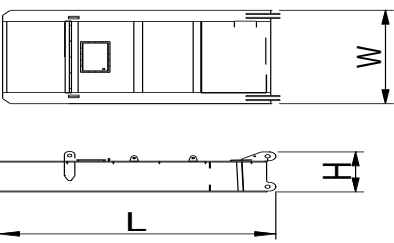
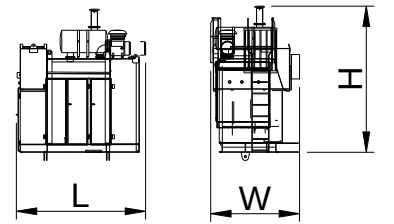
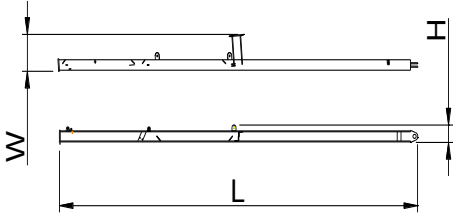
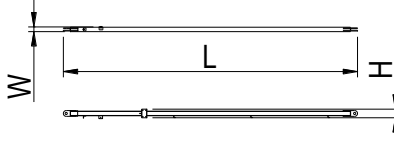
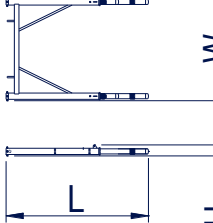
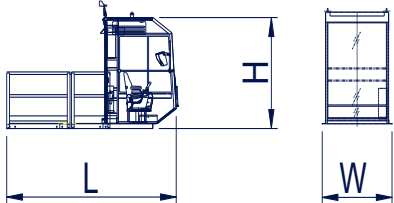
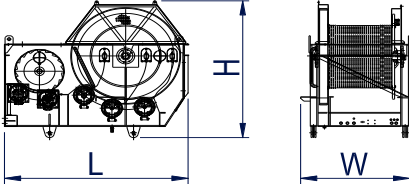
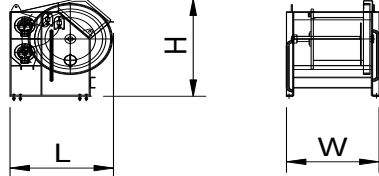
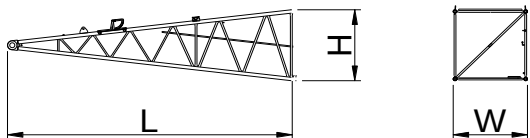
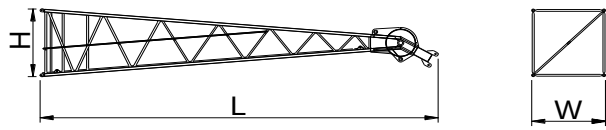
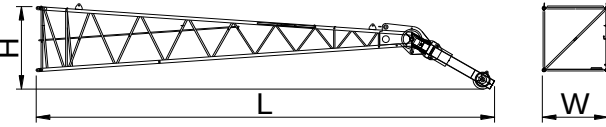
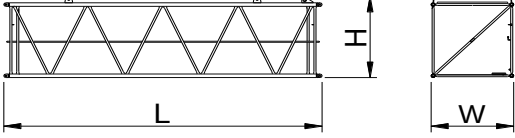


EXTERNAL CLIMBING INSTALLATION CLEARANCE



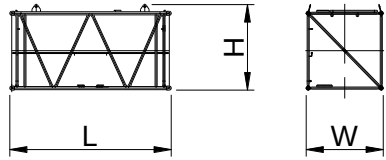
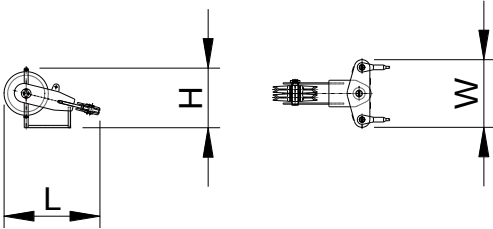
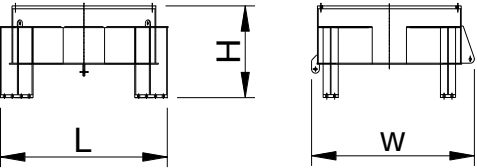
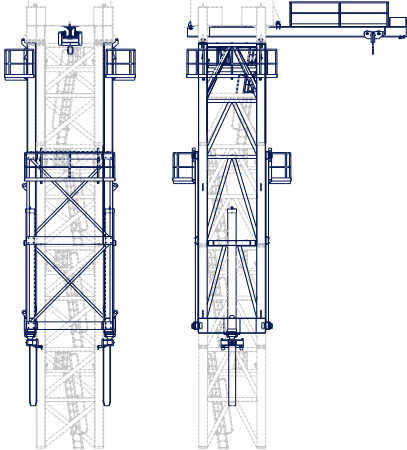
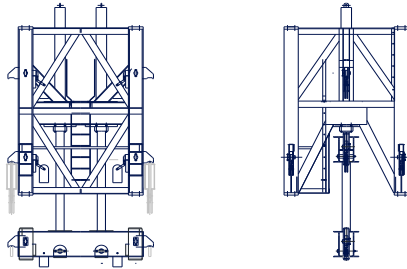
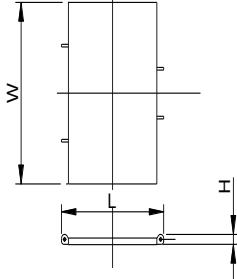
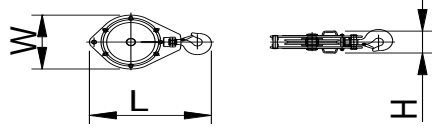
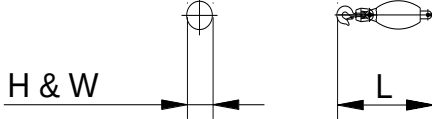
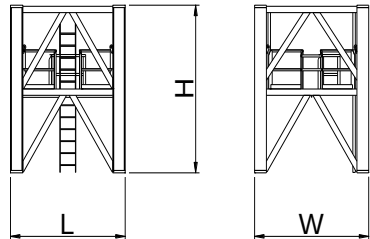
OUT OF SERVICE CONFIGURATION

Boom Length (ft)	Recommended Minimum Safe Boom Parking Radius (ft)	Boom Angle (°)
241	86.0	69.7
225	88.0	67.8
210	92.0	64.9
195	97.0	61.1
180	93.0	60.0
165	91.0	57.7
150	89.0	54.9
135	88.0	50.8
120	94.0	40.3

M900F-ST H32 TRANSPORTATION & ERECTION					FAVCO		
ITEM	QTY	DESCRIPTION		LENGTH L (feet)	HEIGHT H (feet)	WIDTH W (feet)	WEIGHT PER ITEM (ton)
1	1	SPLIT DECK-FRONT (INCL. SLEW DRIVE, PINS & HANDRAILS)		12.0	6.9	11.1	13.43
2	1	SPLIT DECK-REAR (INCL. WELDED COUNTERWEIGHT)		24.8	5.9	11.1	20.37
3	1	POWERPACK (INCL. 850L OF OIL)		13.1	12.6	6.8	5.56
4	2	MAST FRONT LEG (INCL. MAST HEAD SHEAVES & PIN)		43.7	1.7	3.6	2.76
	2	MAST BACK LEG		39.7	1.4	0.8	1.09
	1	BOOM BUFFER		12.3	0.8	9.8	0.22
MAST ASSEMBLY (INC. SHEAVES, HEAD PIN, LADDERS,BUFFER AND PLATFORMS)							10.81
5	1	CABIN & PLATFORM ASSEMBLY		15.1	7.8	5.4	1.76
6	1	HOIST/LUFF WINCH ASSY (WITHOUT ROPE)		13.2	9.6	8.5	13.12
7	1	FLY WINCH ASSEMBLY (EMPTY DRUM)		5.7	6.4	5.7	4.13
8	1	BOOM BOTTOM (INC. WALKWAY & PINS)		30.5	9.9	9.3	3.23
9	1	BOOM TOP ASSY (WITHOUT FLY) (INC. ACCESSORIES)		30.5	9.3	9.3	5.41
		BOOM TOP ASSY (WITH FLY) (INC. ACCESSORIES)		37.1	11.5	9.3	6.86
10	1	BOOM EXTENSION 30.18 ft		30.6	9.3	9.3	2.71

M900F-ST H32 TRANSPORTATION & ERECTION



ITEM	QTY	DESCRIPTION		LENGTH L (feet)	HEIGHT H (feet)	WIDTH W (feet)	WEIGHT PER ITEM (ton)
11	1	BOOM EXTENSION 15.09 ft		15.5	9.3	9.3	1.48
12	1	BRIDLE		5.3	3.3	3.9	0.76
13	1	SLEW MOUNT (INCL. PLATFORMS)		12.2	6.1	11.3	6.13
	1	SLEW RING (INCL. BOLTS)		10.2	0.7	10.2	2.60
14	1	EXTERNAL CLIMBER ASSY		37.7	1.0	12.2	21.30
	2	CLIMBING CYLINDER		18.0	1.1	1.1	1.97
	2	SIDE PANEL		37.7	1.0	10.0	5.55
	2	FRAME TIE		23.4	0.6	12.2	0.85
	2	CLIMBING SUPPORT		8.9	1.3	2.6	0.66
	4	ACCESS PLATFORM		13.1	3.8	2.8	0.30
	1	MONORAIL		26.2	5.3	2.5	2.01
15	1	INTERNAL CLIMBER ASSY		9.9	15.1	9.9	23.26
	1	CLIMBING TOWER		9.9	13.1	9.9	17.36
	2	CYLINDER		12.9	1.1	1.1	1.97
	1	CLIMBING FOOT		10.0	3.1	1.5	1.93
16a	4	COUNTERWEIGHT Type A		19.8	0.2	11.0	11.63
16b	1	COUNTERWEIGHT Type B		19.8	0.2	10.5	10.97
16c	1	COUNTERWEIGHT Type C		19.8	0.2	10.5	13.37
16d	10	COUNTERWEIGHT Type D		19.7	0.2	2.6	3.09
		TOTAL WEIGHT OF COUNTERWEIGHT					101.76
17	1	96 TONNE THREE FALL HOOK BLOCK		7.4	1.7	4.1	1.13
	1	16 TONNE SINGLE FALL HOOK BLOCK		4.9	1.3	1.3	0.45
18	1	TOWER SECTION T763		9.9	13.1	9.9	6.71
19	1	HOIST ROPE 42MM (~1-5/8 in, 5.75 lb / ft)		1300.0	N/A	N/A	3.73
20	1	FLY ROPE 32MM (3.33 lb / ft)		650.0	N/A	N/A	1.08
21	1	LUFF ROPE 32MM (3.27 lb / ft)		590.0	N/A	N/A	0.96