

CROSSMAR 21

MAIN BLOCK CAPACITY, 8 PARTS, HOIST IN 1ST GEAR									
BOOM				ONBOARD CAPACITY			OFFBOARD CAPACITY		
				H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m	H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m
L (ft)	R (ft)	A (°)	HT (ft)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
110	30.0	77.9	115.8	225,414	214,143	176,353	214,143	199,867	124,917
	35.0	75.3	114.5	225,414	214,143	176,353	214,143	199,867	124,917
	40.0	72.5	112.9	204,812	194,571	160,235	194,571	181,600	113,500
	45.0	69.8	111.1	177,068	168,214	138,529	168,214	157,000	98,125
	50.0	66.9	109.0	150,150	142,643	117,471	142,643	133,133	83,208
	60.0	61.1	103.9	114,361	108,643	89,471	108,643	101,400	63,375
	70.0	54.9	97.4	91,579	87,000	71,647	87,000	81,200	50,750
	80.0	48.1	89.1	75,940	72,143	59,412	72,143	67,333	42,083
	90.0	40.5	78.5	64,361	61,143	50,353	61,143	57,067	35,667
	100.0	31.4	64.1	55,489	52,714	43,412	52,714	49,200	30,750
110.0	18.5	41.5	48,421	46,000	37,882	46,000	42,933	26,833	

WHIP BLOCK CAPACITY, HOIST IN 1ST GEAR									
BOOM				ONBOARD CAPACITY			OFFBOARD CAPACITY		
				H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m	H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m
L (ft)	R (ft)	A (°)	HT (ft)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
110	30.0	77.9	115.8	30,075	28,571	23,529	28,571	26,667	16,667
	35.0	75.3	114.5	30,075	28,571	23,529	28,571	26,667	16,667
	40.0	72.5	112.9	30,075	28,571	23,529	28,571	26,667	16,667
	45.0	69.8	111.1	30,075	28,571	23,529	28,571	26,667	16,667
	50.0	66.9	109.0	30,075	28,571	23,529	28,571	26,667	16,667
	60.0	61.1	103.9	30,075	28,571	23,529	28,571	26,667	16,667
	70.0	54.9	97.4	30,075	28,571	23,529	28,571	26,667	16,667
	80.0	48.1	89.1	30,075	28,571	23,529	28,571	26,667	16,667
	90.0	40.5	78.5	30,075	28,571	23,529	28,571	26,667	16,667
	100.0	31.4	64.1	30,075	28,571	23,529	28,571	26,667	16,667
110.0	18.5	41.5	30,075	28,571	23,529	28,571	26,667	16,667	

NOTES:

1. The Load Charts are to be used with CLARK LIMA Model 7707 S/N 713-A-120 mounted on CROSSMAR 21.
2. The specified ratings are based on API-2C 6th Edition, March 2004, using the General Method.
3. Weight of Load Block and Rigging are to be considered part of the load.
4. Wire rope reeving to be per manufacturer's Operators Manual.
5. Lift operations are limited to 3 degrees maximum barge list and trim.
6. Lift operations at or near capacity should be engineered lifts.
7. Crane to be maintained and tested per ASME B30.8 and OSHA Rules 29 CFR 1926.1400 as applicable.



CROSSMAR 21

MAIN BLOCK CAPACITY, 6 PARTS, HOIST IN 1ST GEAR									
BOOM				ONBOARD CAPACITY			OFFBOARD CAPACITY		
				H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m	H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m
L (ft)	R (ft)	A (°)	HT (ft)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
110	30.0	77.9	115.8	171,838	163,246	134,438	163,246	152,363	95,227
	35.0	75.3	114.5	171,838	163,246	134,438	163,246	152,363	95,227
	40.0	72.5	112.9	171,838	163,246	134,438	163,246	152,363	95,227
	45.0	69.8	111.1	171,838	163,246	134,438	163,246	152,363	95,227
	50.0	66.9	109.0	150,150	142,643	117,471	142,643	133,133	83,208
	60.0	61.1	103.9	114,361	108,643	89,471	108,643	101,400	63,375
	70.0	54.9	97.4	91,579	87,000	71,647	87,000	81,200	50,750
	80.0	48.1	89.1	75,940	72,143	59,412	72,143	67,333	42,083
	90.0	40.5	78.5	64,361	61,143	50,353	61,143	57,067	35,667
	100.0	31.4	64.1	55,489	52,714	43,412	52,714	49,200	30,750
110.0	18.5	41.5	48,421	46,000	37,882	46,000	42,933	26,833	

WHIP BLOCK CAPACITY, HOIST IN 1ST GEAR									
BOOM				ONBOARD CAPACITY			OFFBOARD CAPACITY		
				H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m	H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m
L (ft)	R (ft)	A (°)	HT (ft)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
110	30.0	77.9	115.8	30,075	28,571	23,529	28,571	26,667	16,667
	35.0	75.3	114.5	30,075	28,571	23,529	28,571	26,667	16,667
	40.0	72.5	112.9	30,075	28,571	23,529	28,571	26,667	16,667
	45.0	69.8	111.1	30,075	28,571	23,529	28,571	26,667	16,667
	50.0	66.9	109.0	30,075	28,571	23,529	28,571	26,667	16,667
	60.0	61.1	103.9	30,075	28,571	23,529	28,571	26,667	16,667
	70.0	54.9	97.4	30,075	28,571	23,529	28,571	26,667	16,667
	80.0	48.1	89.1	30,075	28,571	23,529	28,571	26,667	16,667
	90.0	40.5	78.5	30,075	28,571	23,529	28,571	26,667	16,667
	100.0	31.4	64.1	30,075	28,571	23,529	28,571	26,667	16,667
110.0	18.5	41.5	30,075	28,571	23,529	28,571	26,667	16,667	

NOTES:

1. The Load Charts are to be used with CLARK LIMA Model 7707 S/N 713-A-120 mounted on CROSSMAR 21.
2. The specified ratings are based on API-2C 6th Edition, March 2004, using the General Method.
3. Weight of Load Block and Rigging are to be considered part of the load.
4. Wire rope reeving to be per manufacturer's Operators Manual.
5. Lift operations are limited to 3 degrees maximum barge list and trim.
6. Lift operations at or near capacity should be engineered lifts.
7. Crane to be maintained and tested per ASME B30.8 and OSHA Rules 29 CFR 1926.1400 as applicable.



CROSSMAR 21

MAIN BLOCK CAPACITY, 4 PARTS, HOIST IN 1ST GEAR									
BOOM				ONBOARD CAPACITY			OFFBOARD CAPACITY		
				H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m	H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m
L (ft)	R (ft)	A (°)	HT (ft)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
110	30.0	77.9	115.8	116,442	110,620	91,099	110,620	103,245	64,528
	35.0	75.3	114.5	116,442	110,620	91,099	110,620	103,245	64,528
	40.0	72.5	112.9	116,442	110,620	91,099	110,620	103,245	64,528
	45.0	69.8	111.1	116,442	110,620	91,099	110,620	103,245	64,528
	50.0	66.9	109.0	116,442	110,620	91,099	110,620	103,245	64,528
	60.0	61.1	103.9	114,361	108,643	89,471	108,643	101,400	63,375
	70.0	54.9	97.4	91,579	87,000	71,647	87,000	81,200	50,750
	80.0	48.1	89.1	75,940	72,143	59,412	72,143	67,333	42,083
	90.0	40.5	78.5	64,361	61,143	50,353	61,143	57,067	35,667
	100.0	31.4	64.1	55,489	52,714	43,412	52,714	49,200	30,750
110.0	18.5	41.5	48,421	46,000	37,882	46,000	42,933	26,833	

WHIP BLOCK CAPACITY, HOIST IN 1ST GEAR									
BOOM				ONBOARD CAPACITY			OFFBOARD CAPACITY		
				H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m	H_{sig} = 0m	H_{sig} = 1m	H_{sig} = 2m
L (ft)	R (ft)	A (°)	HT (ft)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
110	30.0	77.9	115.8	30,075	28,571	23,529	28,571	26,667	16,667
	35.0	75.3	114.5	30,075	28,571	23,529	28,571	26,667	16,667
	40.0	72.5	112.9	30,075	28,571	23,529	28,571	26,667	16,667
	45.0	69.8	111.1	30,075	28,571	23,529	28,571	26,667	16,667
	50.0	66.9	109.0	30,075	28,571	23,529	28,571	26,667	16,667
	60.0	61.1	103.9	30,075	28,571	23,529	28,571	26,667	16,667
	70.0	54.9	97.4	30,075	28,571	23,529	28,571	26,667	16,667
	80.0	48.1	89.1	30,075	28,571	23,529	28,571	26,667	16,667
	90.0	40.5	78.5	30,075	28,571	23,529	28,571	26,667	16,667
	100.0	31.4	64.1	30,075	28,571	23,529	28,571	26,667	16,667
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