

50 TON

WHL8210-100

The new Hydra-Lift WHL8210-100 Swing Cab Cranes, with a 50 ton lift rating, are ideally suited for the most demanding heavy lift jobs. Out and down outriggers have independently operated horizontal extension cylinders and vertical jack cylinders, for true stability on uneven surfaces or in tight locations. Fully equipped cabs provide the operator with a comfortable working environment in all weather conditions. Mounted on a single steer tri-drive rear axle chassis, or tandem steer tandem rear axle chassis, WHL8210-100 Cranes deliver heavy lifting performance.

FEATURES

- 82,000 lbs at 10' radius (50-ton lifting capacity)
- 100' boom length or 110' tip height (fully extended)
- 4 section 100' fully proportional boom
- 30.5' retracted length
- Continuous rotation
- 15,000 lb, 2 speed grooved drum planetary winch with integral brake for high efficiency and security, includes cable packer.
- Out and down outriggers
- Dual fan oil cooler
- High strength box construction, welded booms for maximum strength to weight ratio
- A2B and LMI system with digital radio weight indicator
- Crane block storage behind tank (lessens front end weight, clear vision, able to tilt hood)
- Pre-wired boom and cab for work lights
- Remote Monitoring Video System - two cameras and one in-cab display (view right rear outriggers and winches)
- 40-ton four-sheave crane block (Easy Reeve)

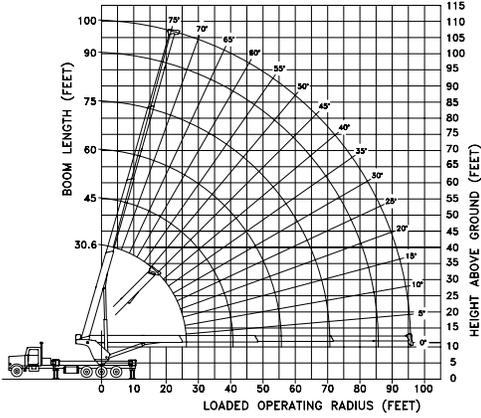
OPTIONS

- 31' Orientable (0°, 15°, 30°) swing around jib, stows on side of boom
- 31' - 51' Orientable (0°, 15°, 30°) swing around jib, stows on side of boom
- Hydraulic tank heater
- Boom lights
- Auxillary winch options, 12,000 lb or 15,000 lb winch
- Two person self levelling man basket
- Air conditioning
- Remote radio crane controls



LOAD CHARTS AND SPECIFICATIONS

WHL8210-100 RANGE DIAGRAM
(FULL OUTRIGGER SPREAD)

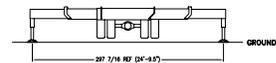


LOAD CHART WORKING AREA

WHL8210-100 LOAD CHART
(FULL OUTRIGGER SPREAD)

MAIN BOOM MAXIMUM RATED LOAD IN LBS.

LOADED OPERATING RADIUS	BOOM ANGLE		EXTENDED BOOM LENGTH									
	RETRACTED BOOM LENGTH	BOOM LENGTH										
FT	30.6 FT	45 FT	60 FT	75 FT	90 FT	100 FT						
10	83,000	72,000	51,000									
12	58	72,000	69	51,000								
18	51	81,800	65	51,000	72	40,000						
20	37	45,500	58	37,500	67	38,000	71	27,500				
25	17	35,500	50	35,500	61	30,500	67	24,500	71	24,500	73	18,000
30			41	29,500	54	27,250	63	21,500	68	21,500	70	17,500
35			30	21,500	50	21,500	59	19,100	65	19,100	67	15,500
40			11	18,400	43	18,500	54	17,000	61	17,000	64	14,100
45			38	13,400	40	13,700	57	13,800	61	12,500		
50			28	10,900	44	11,200	53	11,500	57	11,300		
55			18	9,000	38	8,200	49	8,400	54	8,500		
60					31	7,700	43	7,900	50	7,900		
65					23	6,800	40	6,800	48	6,700		
70							35	5,900	42	5,700		
75							28	4,700	38	4,800		
80							21	4,000	33	4,100		
85									27	3,400		
90									23	2,900		
90	0	1,000	0	1,000	0	1,000	0	1,000	0	1,000	0	1,000

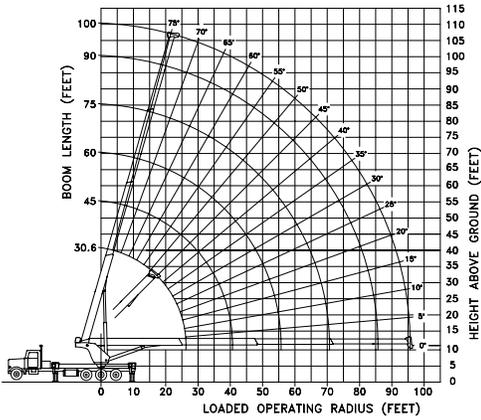


RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE NOT ON STABILITY.

WARNING: ACTUAL LOAD RADIUS GOVERNS ALL LOADS AND MUST BE MEASURED MANUALLY. DO NOT ALLOW BOOM DEFLECTION TO INCREASE THE LOAD RADIUS.

IMPORTANT: DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR LIFTING ACCESSORIES: JIBS, OVERHAUL BALLS, LOAD HOOKS, SNATCH BLOCKS AND LOAD BLOCKS.

WHL8210-100 RANGE DIAGRAM
(INTERMEDIATE OUTRIGGER SPREAD)

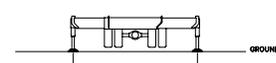


LOAD CHART WORKING AREA

WHL8210-100 LOAD CHART
(INTERMEDIATE OUTRIGGER SPREAD)

MAIN BOOM MAXIMUM RATED LOAD IN LBS.

LOADED OPERATING RADIUS	BOOM ANGLE		EXTENDED BOOM LENGTH									
	RETRACTED BOOM LENGTH	BOOM LENGTH										
FT	30.6 FT	45 FT	60 FT	75 FT	90 FT	100 FT						
10	83,000	72,000	51,000									
12	58	72,000	69	51,000								
18	51	53,000	65	51,000	72	40,000						
20	37	28,200	58	29,200	67	29,200						
25	17	18,100	50	18,800	61	19,500	67	18,700	71	18,900	73	18,000
30			41	13,300	54	13,700	63	14,000	68	14,300	70	14,300
35			30	9,800	50	10,200	59	10,400	65	10,600	67	10,700
40			11	7,400	43	7,700	54	8,000	61	8,100	64	8,200
45			38	6,400	40	6,200	57	6,300	61	6,400		
50			28	4,600	44	4,800	53	4,800	57	5,000		
55			18	3,500	38	3,700	49	3,800	54	3,800		
60					31	2,900	45	3,000	50	3,100		
65					23	2,100	40	2,500	48	2,300		
70							35	1,700	42	1,700		
75							28	1,500	38	1,500		
80							21	700	33	800		
85									27	400		
90									23	100		
90	0	1,000	0	1,000								



RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE NOT ON STABILITY.

WARNING: ACTUAL LOAD RADIUS GOVERNS ALL LOADS AND MUST BE MEASURED MANUALLY. DO NOT ALLOW BOOM DEFLECTION TO INCREASE THE LOAD RADIUS.

IMPORTANT: DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR LIFTING ACCESSORIES: JIBS, OVERHAUL BALLS, LOAD HOOKS, SNATCH BLOCKS AND LOAD BLOCKS.

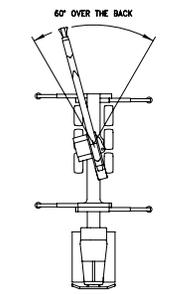
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE
9,000 LBS	18,000 LBS	27,000 LBS	36,000 LBS	45,000 LBS
	1 SHEAVE CRANE BLOCK	1 SHEAVE CRANE BLOCK	2 SHEAVE CRANE BLOCK	2 SHEAVE CRANE BLOCK
6 PART LINE	7 PART LINE	8 PART LINE	9 PART LINE	10 PART LINE
54,000 LBS	63,000 LBS	72,000 LBS	81,000 LBS	90,000 LBS
3 SHEAVE CRANE BLOCK	3 SHEAVE CRANE BLOCK	4 SHEAVE CRANE BLOCK	4 SHEAVE CRANE BLOCK	ROOSTER SHEAVE

LIFT LINE RATINGS ARE BASED ON 5/8" 18 X 19 ROTATION RESISTANT WIRE ROPE

WHL8210-100 LOAD CHART
(FULL OUTRIGGER SPREAD 60° OVER THE BACK)

MAIN BOOM MAXIMUM RATED LOAD IN LBS.

LOADED OPERATING RADIUS	BOOM ANGLE		EXTENDED BOOM LENGTH									
	RETRACTED BOOM LENGTH	BOOM LENGTH										
FT	30.6 FT	45 FT	60 FT	75 FT	90 FT	100 FT						
10	83,000	72,000	51,000									
12	58	72,000	69	51,000								
18	51	81,800	65	51,000	72	40,000						
20	37	45,500	58	47,500	67	38,000	71	27,500				
25	17	35,500	50	35,500	61	30,500	67	24,500	71	24,500	73	18,000
30			41	29,500	54	27,250	63	21,500	68	21,500	70	17,500
35			30	24,500	50	24,200	59	19,100	65	19,100	67	15,500
40			11	20,700	43	21,200	54	17,000	61	17,000	64	14,100
45			38	17,400	40	18,250	57	15,250	61	15,250	61	12,500
50			28	14,800	44	13,800	53	13,800	57	13,800	57	11,300
55			18	12,500	38	12,800	49	12,800	54	12,800	54	10,300
60					31	10,800	45	10,800	50	9,400		
65					23	8,300	40	8,300	48	8,700		
70							35	6,300	42	6,100		
75							28	5,200	38	5,200		
80							21	4,350	33	4,300		
85									27	3,500		
90									23	2,900		
90	0	1,000	0	1,000	0	1,000	0	1,000	0	1,000	0	1,000



RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE NOT ON STABILITY.

IMPORTANT: DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR LIFTING ACCESSORIES: JIBS, OVERHAUL BALLS, LOAD HOOKS, SNATCH BLOCKS AND LOAD BLOCKS.