

45 TON

WHL8010-100

With a 45-ton lifting capacity, long reach and a sub-frame suitable for fifth wheel installation, the Hydra-Lift WHL8010-100 Swing Cab Cranes offer heavy lifting and versatility. Out and down outriggers with independently operated horizontal extension cylinders and vertical jack cylinders, give the operator true stability on uneven surfaces or in tight locations. The fully equipped cab provides the operator with a comfortable working environment in all weather conditions. Mounted on a tandem steer tri-drive rear axle chassis with fifth wheel, or single steer tri-drive rear axle chassis, or tandem steer tandem rear axle chassis without fifth wheel, WHL8010-100 Cranes are truly capable of heavy lifting and heavy hauling.

FEATURES

- 80,000 lbs at 10' radius (45-ton lifting capacity)
- 100' boom length or 84'-110' tip height (fully extended)
- 4 section 100' fully proportional boom
- 30.5' retracted length
- Continuous rotation
- Tapered rear subframe for fifth wheel installation
- Out and down outriggers
- Dual fan oil cooler
- 15,000 lb, 2 speed grooved drum planetary winch with integral brake for high efficiency and security, includes cable packer.
- High strength box construction, welded booms for maximum strength to weight ratio
- A2B and LMI system with digital radio weight indicator
- Pre-wired boom and cab for work lights
- Remote Monitoring Video System: two cameras and one in-cab colour display (view right rear outriggers and winches)
- 40-ton four-sheave crane block (Easy Reeve)

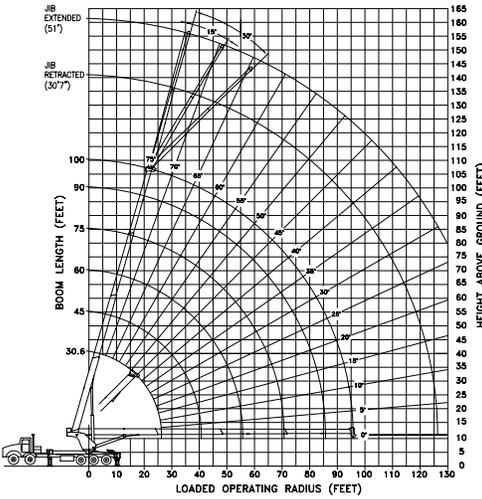


OPTIONS

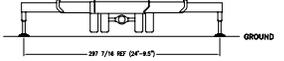
- 31' Orientable (0°, 15°, 30°) swing around jib, stows on side of boom
- 31' - 51' Orientable (0°, 15°, 30°) swing around jib, stows on side of boom
- Hydraulic tank heater
- Boom lights
- Auxillary winch options, 12,000 lb or 15,000 lb winch
- Two person self levelling man basket
- Air conditioning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

LOAD CHARTS AND SPECIFICATIONS: WHL8010-100

WHL8010-100 RANGE DIAGRAM (FULL OUTRIGGER SPREAD)



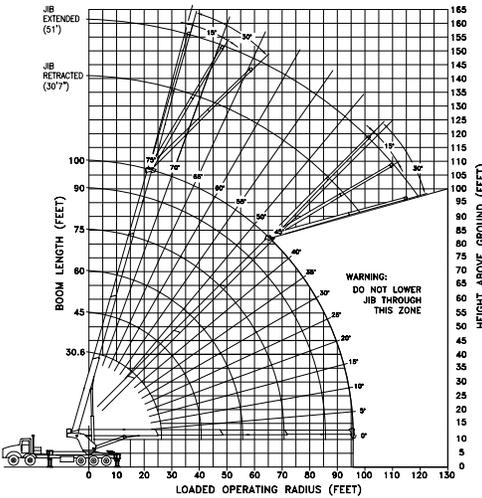
WHL8010-100 LOAD CHART OUTRIGGERS AT FULL SPREAD (240° OVER THE BACK)



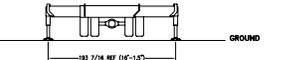
MAIN BOOM MAXIMUM RATED LOAD IN LBS.										30'7"/51" TELESCOPIC ORIENTABLE JIB (MAIN BOOM FULLY EXTENDED)												
LOADING OPERATING RADIUS	BOOM ANGLE	RETRACTED BOOM LENGTH		BOOM LENGTH		BOOM LENGTH		BOOM LENGTH		BOOM LENGTH		RETRACTED JIB			EXTENDED JIB							
		FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	0°	15°	30°	0°	15°	30°					
10	63	30.6	80,000	72	51,000																	
12	58	70,000	68	51,000																		
15	51	56,000	45	51,000	72	40,200																
20	37	42,000	38	42,000	67	38,000	71	27,500														
25	17	30,000	50	35,100	61	30,800	67	24,500	71	24,300	73	18,000										
30		41	29,500	58	27,100	53	21,500	68	21,300	70	17,300											
35		30	24,500	50	24,200	59	18,100	65	18,100	67	15,800											
40		11	20,700	43	21,200	54	17,000	61	17,000	64	14,100	40	70	8,500								
45			35	17,500	49	15,250	57	15,250	61	12,500	45	88	6,250	71	6,900	74	5,900	71	4,700			
50			28	14,500	44	13,500	53	13,500	57	11,300	50	85	7,300	68	5,300	72	5,500	69	4,700			
55			13	12,500	38	12,400	48	12,500	54	10,300	60	83	6,400	68	5,800	69	5,000	67	4,700			
60			31	10,500	45	10,700	50	9,400	50	9,400	60	81	6,150	64	5,300	67	4,700	65	4,350			
65				23	9,000	40	9,200	45	8,400	55	58	5,500	61	4,800	64	4,400	63	4,500	68	4,050		
70					33	8,000	42	7,800	70	55	5,000	59	4,550	61	4,100	61	4,350	65	3,850			
75					29	6,900	38	6,800	70	53	4,650	58	4,200	58	3,950	63	3,400	67	3,050			
80					21	6,000	33	6,000	80	50	4,100	53	3,900	55	3,650	61	3,200	63	2,900			
85						27	5,200	85	47	3,700	50	3,550	53	3,400	54	3,400	58	3,000	63	2,750		
90						20	4,600	90			47	3,400	48	3,200	51	3,100	54	2,850	61	2,600		
DEDUCTIONS FOR STOWED JIB (LBS)										95												
										100												
										105												
										110												
										115												
TELESCOPIC										1250	LBS	850	LBS	650	LBS	550	LBS	450	LBS	400	LBS	110
FIXED										975	LBS	675	LBS	500	LBS	425	LBS	375	LBS	325	LBS	115

WARNING: ACTUAL LOAD RADIUS OVERVENS 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, SLATCH BLOCKS AND LOAD BLOCKS.

WHL8010-100 RANGE DIAGRAM (INTERMEDIATE OUTRIGGER SPREAD)



WHL8010-100 LOAD CHART OUTRIGGERS AT INTERMEDIATE SPREAD (240° OVER BACK)



MAIN BOOM MAXIMUM RATED LOAD IN LBS.										30'7"/51" TELESCOPIC ORIENTABLE JIB (MAIN BOOM FULLY EXTENDED)												
LOADING OPERATING RADIUS	BOOM ANGLE	RETRACTED BOOM LENGTH		BOOM LENGTH		BOOM LENGTH		BOOM LENGTH		BOOM LENGTH		RETRACTED JIB			EXTENDED JIB							
		FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	0°	15°	30°	0°	15°	30°					
10	63	30.6	80,000	72	51,000																	
12	58	70,000	68	51,000																		
15	51	56,000	45	51,000	72	40,200																
20	37	34,400	38	35,700	67	35,000	71	27,500														
25	17	22,500	50	23,500	61	23,800	67	24,100	71	24,300	73	18,000										
30		41	18,900	58	17,400	53	17,500	68	17,800	70	17,300											
35		30	12,700	50	13,200	59	13,400	65	13,700	67	13,400											
40		11	9,200	43	10,200	54	10,400	61	10,600	64	10,800	40	70	8,500								
45			35	8,100	49	8,300	57	8,500	61	8,500	45	88	7,100	71	6,950	74	5,900	71	5,600			
50			28	6,500	44	6,700	53	6,900	57	6,700	50	85	5,450	68	5,150	72	5,450	69	5,000			
55			13	5,500	38	5,400	48	5,600	54	5,600	60	83	4,400	68	5,300	69	4,800	67	4,650			
60			31	4,400	45	4,800	50	4,500	60	81	3,850	64	5,000	67	4,650	65	5,000	70	4,300			
65				23	3,800	40	3,700	45	3,800	55	58	3,000	61	3,850	64	4,300	63	4,450	68	3,950		
70					33	3,000	42	3,000	70	55	2,300	59	3,250	61	3,500	65	3,800	70	3,350			
75					29	2,400	38	2,400	70	53	1,900	58	2,500	58	2,850	58	2,850	63	3,350			
80					21	1,900	33	1,800	80	50	1,400	53	1,900	55	2,400	61	2,150	63	2,850			
85						27	1,400	85	47	1,000	50	1,400	53	1,850	54	1,950	58	2,900	63	2,700		
90						20	1,200	90			47	1,000	48	1,200	51	1,450	54	2,400	61	2,450		
DEDUCTIONS FOR STOWED JIB (LBS)										95												
										100												
										105												
										110												
										115												
TELESCOPIC										1250	LBS	850	LBS	650	LBS	550	LBS	450	LBS	400	LBS	110
FIXED										975	LBS	675	LBS	500	LBS	425	LBS	375	LBS	325	LBS	115

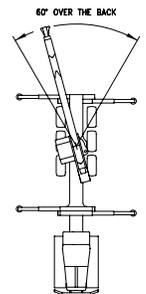
WARNING: ACTUAL LOAD RADIUS OVERVENS ALL LOADS AND MUST BE MEASURED MANUALLY. DO NOT ALLOW BOOM DEFLECTION TO INCREASE THE LOAD RADIUS. IMPORTANT: DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR LIFTING ACCESSORIES: JIBS, OVERHAUL BALLS, LOAD HOOKS, SLATCH BLOCKS AND LOAD BLOCKS.

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	ROOSTER SHEAVE

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

WHL8010-100 LOAD CHART OUTRIGGERS AT FULL SPREAD (60° OVER THE BACK)

MAIN BOOM MAXIMUM RATED LOAD IN LBS.																					
LOADING OPERATING RADIUS	BOOM ANGLE	RETRACTED BOOM LENGTH																			
		FT	IN	FT	IN	FT	IN	FT	IN	FT	IN										
10	63	30.6	80,000	72	51,000																
12	58	70,000	68	51,000																	
15	51	56,000	45	51,000	72	40,200															
20	37	42,000	38	42,000	67	38,000	71	27,500													
25	17	30,000	50	35,100	61	30,800	67	24,500	71	24,300	73	18,000									
30		41	29,500	58	27,100	53	21,500	68	21,300	70	17,300										
35		30	24,500	50	24,200	59	18,100	65	18,100	67	15,800										
40		11	20,700	43	21,200	54	17,000	61	17,000	64	14,100										
45			35	17,500	49	15,250	57	15,250	61	12,500											
50			28	14,500	44	13,500	53	13,500	57	11,300											
55			13	12,500	38	12,400	48	12,500	54	10,300											
60			31	11,500	45	11,500	50	9,400													
65				23	10,800																
70					35	10,000	42	9,100													
75					28	8,150	38	7,800													
80					21	7,550	33	7,000													
85																					
90																					
DEDUCTIONS FOR STOWED JIB (LBS)																					
TELESCOPIC										1250	LBS	850	LBS	650	LBS	550	LBS	450	LBS	400	LBS
FIXED										975	LBS	675	LBS	500	LBS	425	LBS	375	LBS	325	LBS



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