



X4000-RCC

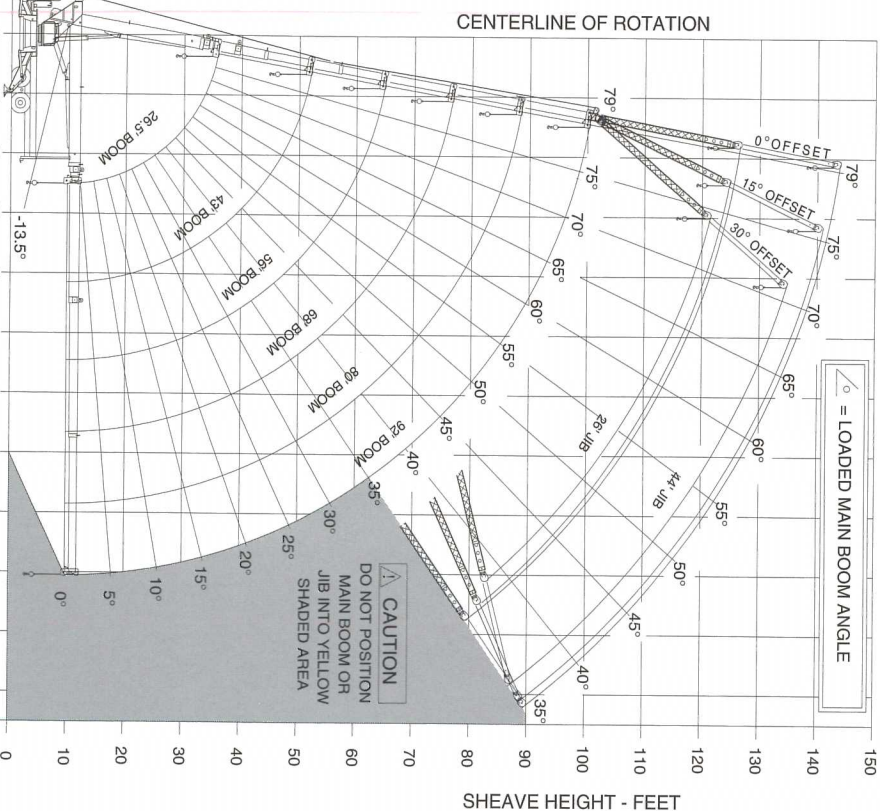


X4000-RCC (Rotating Control Center)

- 28.8 ton capacity
- 4 section, 92' proportional boom
- 102'-8" main boom maximum sheave height
- Two stage 44' jib, 146' maximum sheave height (15° and 30° offsets)
- Patented "X" outriggers located on the exact center of gravity and center of rotation for ultimate stability
- Continuous rotation
- Overall outrigger spread 19'

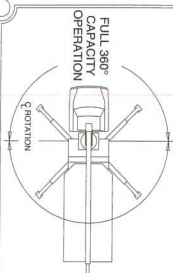
PIONEER CRANES

RANGE DIAGRAM



OPERATING RADIUS FROM CENTERLINE OF ROTATION - FEET

AREA OF OPERATION



WARNING

MIN. 320 FEET OF STD CABLE REQUIRED ON THIS MACHINE

a) 9/16 DIA. 626 ERS WMC STRENGTH 15.5F (STD)

b) 9/16 DIA. ROTATION RESISTANT 37000 LB BREAK STRENGTH 5.01

KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.

ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL.

THIS MACHINE WAS MANUFACTURED TO MEET OSHA REGULATIONS 1910.180 AND 1926.553 WHERE APPLICABLE AT THE TIME OF PRODUCTION

CAUTION

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY PIONEER CRANES

OVERHAUL BALL

SINGLE SHEAVE LOAD BLOCK 170 LBS

DOUBLE SHEAVE LOAD BLOCK 210 LBS

TRIPLE SHEAVE LOAD BLOCK 340 LBS

380 LBS

BOOM LOAD RATING IN LBS. WITH OUTRIGGERS EXTENDED AND MACHINE LEVEL

RAD FT.	26.5 FT BOOM	43 FT BOOM	56 FT BOOM	68 FT BOOM	80 FT BOOM	92 FT BOOM
5	57600					
8	38200					
10	32000	25000				
12	27900	22750	22400			
14	25300	20400	19900	78	18500	
16	22100	17950	17500	76	16850	
20	18600	15200	13600	72	12950	76
24	13750	13100	11250	69	10680	73
30		10500	9770	64	8870	68
35		9170	8370	59	7470	64
40		7170	6370	54	6370	60
45			5970	48	5370	56
50			4970	42	4770	51
55				35	4070	46
60				26	3470	41
65				13	2670	35
70						28
75						18
80						8
85						1370
90						21
95						1270
100						670
105						2
110						175
115						

JIB LOAD RATING IN LBS. WITH OUTRIGGERS EXTENDED AND MACHINE LEVEL

RAD FT.	26 FT 0° OFFSET	26 FT 15° OFFSET	26 FT 30° OFFSET	44 FT 0° OFFSET	44 FT 15° OFFSET	44 FT 30° OFFSET
30	5850					
35	5100	3550		3350		
40	4500	3400	2500	3100		
45	3850	3200	2400	2830	77	2050
50	3300	2960	2300	2560	75	1750
55	2800	2750	2200	2350	73	1650
60	2450	2500	2100	2150	71	1550
65	2100	2200	2000	1950	68	1450
70	1800	1850	2000	1800	66	1350
75	1500	1550	1650	1600	64	1300
80	1250	1300	1350	1450	61	1250
85	1000	1050	1150	1250	58	1200
90	800	850	950	1100	56	1150
95	600	700	750	900	53	1000
100	390	500	550	750	49	850
105				550	46	675
110				400	43	550
115						41

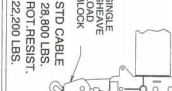
1 PART LINE



2 PART LINE



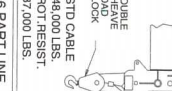
3 PART LINE



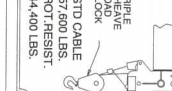
4 PART LINE



5 PART LINE



6 PART LINE



X4000-RCC

LOAD RATING CHART

PIONEER CRANES

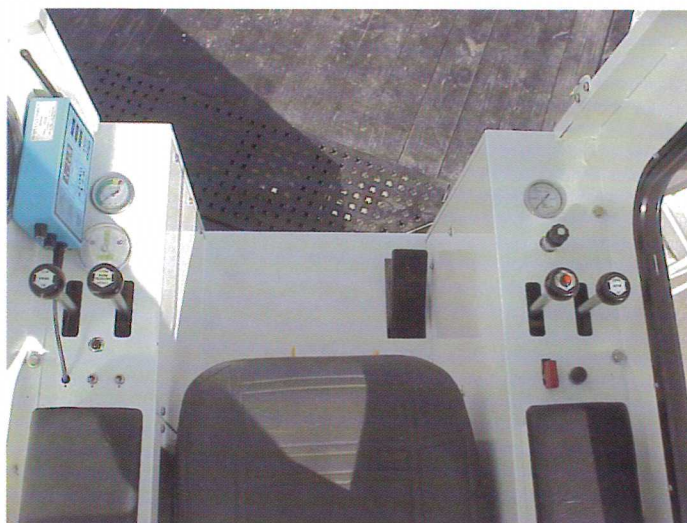
387 DUCK ROAD, GRANDBVIEW, MISSOURI USA 64020

63-00032

PIONEER X4000-RCC



Safety & Increased Productivity



X4000-RCC (Rotating Control Center)

- Patented X outrigger system provides most stable crane on the market
- Dual outrigger control system - ground and control center operated for increased safety
- Mounting style remains behind the cab with choice of 18'-20' flatbed styles
- Armchair style, standard ANSI controls
- New hydra-max hydraulic system with minimal system back pressure and improved control characteristics
- Full continuous rotation in 45 seconds
- Swing lockout system disables swing function until outriggers are deployed
- Heavy duty tandem motor two-speed winch with maximum 230 fpm
- Full boom extension and retraction in 60 seconds each
- Boom angle indicator mounted on boom hoist cylinder for easy visual reference
- Retractable steps and grab rails for easy access on and off
- Radio ATB system has radio sender built into switch mechanism with quick transfer from boom to jib tip
- Extra control valve and actuation switch for optional hydraulic features (roofers package)



Optional Cab Enclosure Features:

- Dome light
- Safety glass
- Windshield wiper
- Heater / defroster / fan
- 3-way adjustable cushioned seat
- Cab mounted flood light

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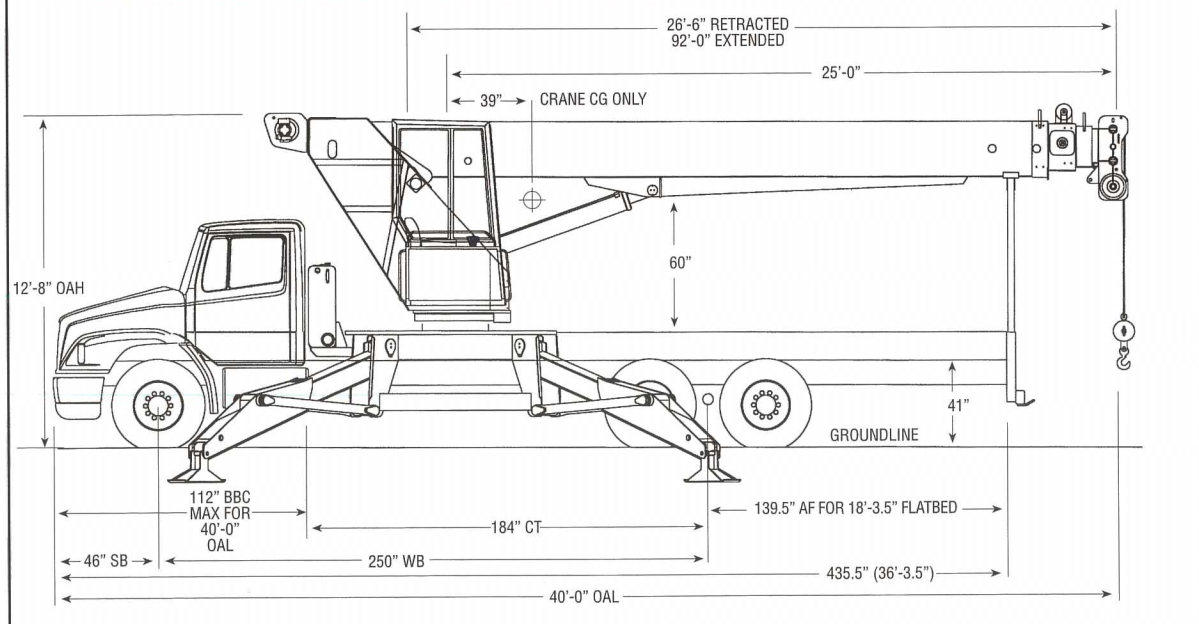


Minimum Truck Chassis Requirements

Gross Vehicle Weight Rating:	52,000 lbs.
Front Axle Weight Rating:	18,000 lbs.
Rear Axle Weight Rating:	34,000 lbs.
Wheelbase:	250 inches
Cab-to-Axle:	184 inches
Frame Section Modulus:	30 inches ³
RBM Per Frame Rail:	3,300,000 in. lbs.

Consult factory for special applications.

Do not operate crane, booms, jib extensions, any accessories, or loads within ten (10) feet (3 meters) of live power lines or other conductors of electricity.



Standard Equipment:

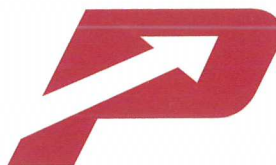
- Patented X type outrigger design
- Continuous rotation
- Radio ATB system
- Heavy duty two-speed winch
- Dual outrigger control system
- Electronic throttle
- Rotating Control Center
- Dial-a-Swing rotation speed control
- Two-speed hydraulic boom extension system
- Hydraulic Pressure gauges
- Capacity alert indicator gauge
- Three-sheave boom tip
- Two section 44' jib with 15 and 30 degree offsets
- Back-up alarm
- Non-skid steps and operator's platform
- Air shift PTO
- Winch cable tension roller
- Rear underride bumper
- Turret and shearball bearing
- Planetary rotation gearbox with integral brake
- Gearbox motor with integral counterbalance valves
- Four-section proportional boom
- 320' of 9/16" 6x25 IWRC EIPS wire rope
- Three-section vane pump
- Hydraulic shut-down capacity alert
- Maximum theoretical line speed: 230 fpm
- Maximum bottom layer line pull: 12,150 lbs.
- ANSI B30.5/OSHA 1910.180/OSHA 1926.550
- Engine start/stop switch at control station
- 100 gallon hydraulic reservoir including hydraulic fluid
- 10-micron return filter with element replacement indicator
- Suction line shut-off valve
- Reservoir temperature/level gauge

- Suction strainer with by-pass
- Boom rest (removable)
- Overhaul ball with swivel hook
- Fully painted
- Complete with decals and warning placards
- Manuals
- Custom installation on truck chassis

Optional Equipment:

- Enclosed Cab
- Heater
- 2-man personnel basket
- Single man personnel basket
- Hydraulic hose reel
- Oil Cooler
- Spin resistant cable
- Load blocks
- Bed
- Tool Boxes
- Load monitor

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