IC-250-3B



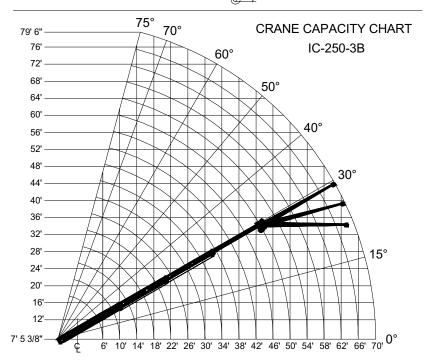
IC-250-3B

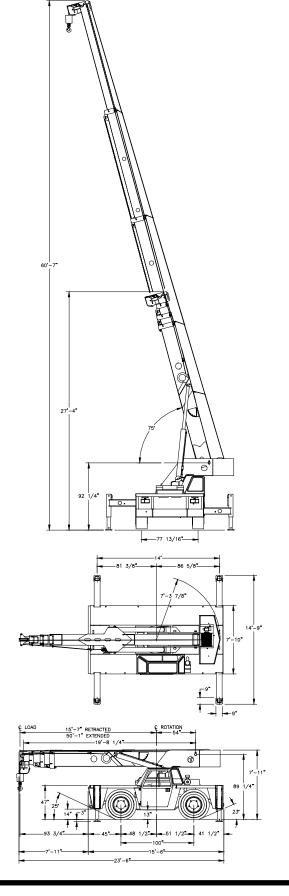
CAPACITIES ARE IN POUNDS AND APPLY TO OPERATION ON FIRM LEVEL SURFACE									
LOAD	MAIN BOOM								
RADIUS	ON RUBE	BER	ON RUBBER	O/R'S IN	& DOWN	O/R'S IN & DOV	VN O/F	R'S OUT & DOWN	
FEET	360° ROTA	TION	OVER FRONT	360° R0	OTATION	OVER FRON	Г 3	60° ROTATION	
6	16400)	18500	300	000	36000		36000	
8	13000):	15000	250	050	30400		30400	
10	10800)	12350	20.	300	25000		25000	
12	9000		10450	150	500	20800		20800	
14	7550		9000	12	100	18700		18700	
16	6450		7800	97	00	16700		16700	
18	5600		6850	80	50	14900		14900	
20	4800		6100	68	00	13500 1		13500	
22	4150		5400	58	00	12100		12100	
24	3600		4650	50	00	10900 109		10900	
26	3100		4000	43	50	9850	9850 9850		
28	2700		3500	38	00	8950		8950	
30	2350		3050	33	50	8200		8200	
32	2000		2650	28	50	7500		7500	
34	1750		2300	25	00	6900		6900	
38	1300		1750	19	50	5700		5700	
42	900		1400	15	00	4800		4800	
46	600		1100	11	50	4100	4100 4100		
50	350		900	90	00	3500	3500 3500		
54						320		3200	
58								2800	
62								2400	
66							2100		
70								1800	
воом	BOOM EXTENSION CAPACITY- STRAIGHT OR OFFSET								
EXT.	MAIN BOOM ANGLE								
ANGLE	0,	15°	30°	40°	50°	60°	70°	75°	
0	2600	2750	3000	3400	4100	5100	6200	7000	
15°		2500	2600	2700	2900	3300	4300	4800	
30°			2300	2400	2500	2700	3200	3400	

BOOM EXTENSION MAY ONLY CARRY LOADS WITH OUTRIGGERS DOWN. BOOM EXTENSION LOADS MUST NOT EXCEED MAIN BOOM CAPACITY.

CAPACITIES ON OUTRIGGERS ARE 85% OF TIPPING LOADS. CAPACITIES ON RUBBER ARE 75% OF TIPPING LOADS. CAPACITIES BELOW BOLD LINE ARE LIMITED BY TIPPING. OTHER CAPACITIES ARE LIMITED BY STRUCTURAL OR HYDRAULIC CAPABILITY.

WAIN BOOM TIP USE SINGLE PART LOAD LINE FOR LOADS TO 9000 LBS. (WT. 180 LBS.) WAIN BOOM TIP BOOM EXT. TIP LOADS TO 7000 LBS. (WT. 180 LBS.) 133 1/2" LOADS TO 36000 LBS. (WT. 180 LBS.)





GENERAL:

Boom Movement: Rotation Elevation Extension* 0° to 75° 34' 6" Continuous **Boom Speeds:** 2.0 RPM 24 sec. 53 sec.

*(with synchronized hoist cable)

Weight:

Total 37,700 lbs. Front Axle 17,400 lbs. 20.300 lbs. Rear Axle Gradeability: 62% **Turning Radius:** 14' 9"

ENGINE: Standard Optional Cummins** Make GM* 5.7L V-8 Model B4.5-C EFI* Turbo-Diesel Type No. Cvl. 8 4 Displacement 5.7L 4.5L HP @ Gov. 126 H.P. 99 H.P. Speed

Electronic Fuel Injection with Dual Fuel, Tier II CARB & US EPA Tier I Emissions Certified

**Tier II CARB & US EPA Tier II Emissions Certified

Fuel Tank Capacity 30 Gallons

TRANSMISSION:

Powershift transmission with 4-speeds forward & reverse. Provides power shifts at any engine speed in any gear. All shifting is done with a single lever electrical control mounted on the steering column. Equipped with torque convertor & transmission oil cooler. Torque convertor has stall ratio of 2.2:1.

Gear Ratio:

First	5.72:1	Third	1.77:1
Second	3 23 1	Fourth	1 00:1

AXLES:

Front Axle:

Planetary drive/steer front axle with 15.78 to 1.0 ratio. Differential equipped with "limited slip" feature. Front axle mounted rigidly to frame.

Gear	Travel Speed	Drawbar Pull*
First	3 MPH	20,000*
Second	5 MPH	11,000*
Third	10 MPH	6,000*
Fourth	18 MPH	3,500*

*Drawbar pull is calculated for GM 5.7L engine.

Rear Axle:

Standard (2-Wheel Drive):

Steering axle with 1-1/2 degree oscillation in either direction.

Optional (4-Wheel Drive):

Planetary drive/steer axle with 24.98 to 1.0 ratio. Differential is not "limited slip" in rear axle. 1-1/2 degree oscillation in either direction. Axle ratio compatible with 4-wheel drive transmission output for front axle match. Transmission equipped with electro-hydraulic control for shifting between 2-wheel drive & 4-wheel drive.

STEERING:

Hydraulic steering unit with two cylinders attached to each axle. Rear axle is the primary steer. An electric switch on the operators compartment is used to select rear-wheel steering, four-wheel steering round steer or crab steering. Electronic sensors & control box automatically align the steering when a new mode is selected.

BRAKES:

Service: Split-system, 4-wheel hydraulic-boosted multiple-plate

wet disc brakes.

Hand lever actuated disc-type parking brake Parking:

on transmission.

TIRES:

385/65D22.5, 16-ply, high-traction on/off road tread.

CHASSIS:

CARGO DECK:

80 sq. ft. of deck area. 17,000 lbs. capacity on deck when load is centered over or between axles.

Headlight & Taillight Grilles:

Steel protective grilles for headlights & taillights. Easily removable for replacing bulbs.

OUTRIGGERS:

Four hydraulic out & down outriggers of box beam construction with direct-connected holding valves. Independent controls for each outrigger. Outrigger pad dimension 9" x 9".

ACCESSORY STORAGE BOX:

Storage box is 14" deep x 12-1/2" long x 36-1/2" wide, located in front cargo deck.

Lifting Rings

Lifting rings at each corner of cargo deck so sling can be attached for lifting crane.

OPERATOR COMPARTMENT:

Provides one-position access to all chassis & crane functions. Includes adjustable operator's seat, retracting seat belts, fire extinguisher & bubble level.

ELECTRICAL:

12 Volt System

Lighting Package:

One pair headlights with high & low beams, tail, brake & turn signal lights & back-up lights in rear, turn signals & emergency flasher switch at operator's station.

Instrument Package:

Fuel, ammeter, oil pressure, water temperature, transmission oil temperature gauges. All gauges are lighted. Hourmeter records hours only during actual engine operation. Also included are warning lights for low transmission pressure, turn signals, high beams, hazard lights, park brake & four-wheel drive.

Back-Up Alarm:

Provides pulsating sound when transmission is in reverse.

Outrigger Alarm System:

Two-tone alarm is activated when "outrigger down" or "outrigger out" controls are operated.

HYDRAULIC SYSTEM:

Tandem pump, direct-driven by engine crankshaft, rated at 29 & 34 GPM at rated RPM. Hydraulic oil tank capacity of 54 gallons.

BOOM ASSEMBLY:

Four-section boom assembly equipped with bearing pads, doubleacting hydraulic cylinder & chain system telescopes booms proportionally. Telescope & boom elevation cylinders equipped with cylinder-mounted holding valves. Boom angle indicator on side of boom.

Boom Rotation:

Heavy-duty ball bearing rotation gear with external teeth. Rotation is powered by hydraulic motor & worm gear drive.

Boom Hoist:

Turret mounted planetary gear hoist hydraulically powered with a bare drum line pull of 12,000 lbs. & a line speed of 100 FPM. Includes downhaul weight, swivel hook & sheave block for 4-part line & 320 ft. of 9/16" hoist rope.

Anti-Two-Block Device:

Prevents damage to hoist rope and/or crane components from pulling load hook against tip.

Rated Capacity Limiter:

Warns operator of impending overload with audible & visual signals. Prevents overload by stopping boom functions that cause overloads.

IC-250-3B

Listed below are brief descriptions of each option available for the IC-250-3B Industrial Crane. Consult the IC-250-3B Engineering Spec for additional information on each option.

MODEL:

IC-250-3B Industrial Crane with 15' 7"-50' 1" Boom

ENGINE OPTIONS:

Diesel Engine

Cummins Turbo-B4.5-C

Spark Arrester Muffler

Installed in addition to std. muffler.

Catalytic Converter

Reduces engine emissions.

Engine Heater

Engine coolant heater installed to circulate warm water through engine, plugs into 120 volt AC.

Ether Injection System

Ether starting aid controlled by switch in operator compartment and injects ether directly into intake manifold.

Engine Shut Down Gauges

Shuts engine off when high water temperature or low engine oil pressure occurs. (Diesel Only)

AXLE & STEERING OPTIONS:

4-Wheel Steer & 2-Wheel Drive 4-Wheel Steer & 4-Wheel Drive

TIRE OPTIONS:

Non-Marking Tires Foam Filling of Tires Spare Tire & Wheel

CHASSIS OPTIONS:

Auxiliary Winch

Mounted behind front bumper, hydraulically driven with control in operator's console.

Pintle Hook:

Pintle Hook, Rear Pintle Hook, Front

Rearview Mirrors

One mounted on right-hand deck stake and one mounted on left-hand deck stake.

Outrigger Shoes

Steel outrigger shoes, 18 x 18 in. octagonal shape with storage posts on rear bumper.

OPERATOR COMPARTMENT OPTIONS:

Operator Guard

Tubular steel weldment with heavy expanded steel mesh top section.

Operator Guard Cover

Clear vinyl cover over Operator Guard, for inclement weather.

Operator Guard Door

Hinged door covers operator compartment side opening.

All Weather Cab

Rigid-mounted canopy section and removable hinged door. Includes heater, electric windshield wiper, one sliding glass window in the door & one in the right side of canopy. Defroster fan & dome light included.

Cab Heater Only

Heater with two-speed fan for units without All Weather Cab.

Windshield Washer

Includes reservoir, pump and nozzle.

Floor Mat

Vinyl mat with foam backing.

Operator Suspension Seat

Provides additional operator comfort.

Noise Reduction Kit

Includes floor mat, control valve cover and side panels of foam backed vinyl for noise reduction.

Air Conditioning

Air Conditioner with R 134 coolant.

ELECTRICAL OPTIONS:

Strobe Lights

Yellow strobe light mounted on each side of turret weight box.

Amber Rotating Beacons

Amber rotating beacon mounted on each side of turret weight box.

Boom Work Lights

One work light mounted to boom to light boom tip and one work light mounted to turret to light ground under boom tip.

BOOM ATTACHMENTS:

Boom Extension, 20 Ft., Offset

Boom stowable. Boom extension is offsettable to 3 different positions; 0 degree (inline), 15 degree and 30 degree offset.

Searcher Hook:

Nose Mount

Should you, as an end user, require an option or special equipment on your IC-250-3B that is not listed on our sales literature, please contact your dealer salesperson or the factory to receive a special quoted price.

