Rated Capacity Limiter Standard
Capacity on outriggers ...9,000 lbs.
Pick and carry capacity ...7,200 lbs.
Boom rotation...continuous
Height...6’ 9”
Width...5’ 4”
Sheave height up to 33’ 9”
Horizontal reach up to...27’ 2”
Gasoline with dual fuel and diesel engine options
Anti-Two Block standard
IC-40-A

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

**CAUTION: BOOM EXTENSION LOADS MUST NOT EXCEED MAIN BOOM CAPACITY.**

**HYDRAULIC CAPABILITIES: MAXIMUM HYDRAULIC PRESSURE 2600 PSI.**

**BOOM EXTENSION DEDUCT: 100 LBS. WHEN STOWED ON BASE BOOM, DO NOT PICK AND CARRY WITH LOADS ON BOOM EXTENSION.**

* USE 0° FOR STRAIGHT BOOM EXTENSION.

* USE 0°, 15° OR 30° FOR OFFSET BOOM EXTENSION.

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**3RD STAGE TIP**

TWO PART LOAD LINE FOR LOADS UP TO 9000 LBS (WT 60 LBS)

**BOOM EXT TIP**

SINGLE PART LOAD LINE TO 4500 LBS (WT 40 LBS)
General:
- Weight: 8,840 lbs.
- Travel Speed: 0 to 10 mph
- Drawbar Pull: 2,000 lbs.
- Gradeability: 25% (14 degrees)

Boom Movements:
- Rotation: Continuous Rotation
- Elevation: 0 to 70 degrees
- Extension: 7 ft. 2 in. to 19 ft. 2 in.

Boom Speeds:
- Rotation: 1.4 RPM
- Elevation: 17 seconds
- Extension: 31 seconds

Engine:
- Make: Nissan Cummins
- Model: H20 A2300
- Type: Gas/Dual Fuel Diesel
- Cylinders: 4
- Displacement: 121 CID, 140 CID
- HP @ Governed Speed: 51 HP, 47 HP
- Fuel Tank Capacity: 13.5 Gallons

Hydrostatic Pump:
- Piston type, direct driven from engine crankshaft. Maximum flow 34 GPM, maximum pressure 4,000 PSI.

Axles:
- Front Drive Axle:
  - Planetary drive/steer axle with an overall 16:15/1 ratio.
  - Differential is limited slip. Axle is rigidly mounted to frame.
- Rear Steering Axle:
  - Planetary drive/steer axle with an overall 16:15/1 ratio.
  - Differential is limited slip. Axle oscillates 1-1/2 degrees in either direction.

Steering:
- Full hydraulic steering unit controls steering cylinder attached to each axle. Limited steering if engine dies.

Brakes:
- Primary braking from hydrostatic transmission. Foot-actuated wet-disc brakes in each axle for additional braking in some conditions. Lever actuated parking brake to hold crane when not being driven.

Tires:
- 28 x 9 - 15 pneumatic tires, 12 PR. Pressurized to 120 PSI for crane rated loads.

Chassis:
- Cargo Deck:
  - 29 square feet deck area, 6,000 pounds capacity when centered over front axle or to the rear of front axle.
- Outriggers:
  - Four hydraulic outriggers of box-beam construction. Independent controls for each. Hydraulic cylinders are equipped with direct-connected holding valves.

Chassis: (Cont’d)
- Lifting Rings:
  - Consists of four rings, one at each corner of the load deck.
- Pulling Eye:
  - Mounted on front bumper.

Operator’s Compartment
- Provides one-position access to all chassis and crane functions. Includes adjustable operator’s seat, retracting seat belt, fire extinguisher and bubble level.

Electrical System:
- 12 Volt System
- Lighting Group: One pair headlights and taillights.
- Instrument Group: Fuel, ammeter, oil pressure, water temperature, hydraulic oil temperature gauges & hourmeter. Gauges are lighted.
- Outrigger Alarm System:
  - Two-tone alarm is activated when “Outrigger Down” controls are operated.
- Back-Up Alarm:
  - Provides pulsating 97 decible sound when transmission is in reverse.

Hydraulic System:
- Tandem pump mounted to rear of hydrostatic piston pump. Delivers 6 GPM at 2,600 PSI for boom circuits & 18 GPM at 2,350 PSI for hoist circuit. System protected by relief valves. Hydraulic oil tank has 14 gallons capacity. Hydraulic oil cooler provided.

Boom:
- Boom Assembly:
  - Three-section boom assembly equipped with bearing pads, double-acting hydraulic cylinders equipped with direct-connected holding valve and 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 bare drum line pull of 5,000 lbs. and a line speed of 86 FPM. Hoist includes 85 ft. of 3/8 in. wire rope, downhaul weight, swivel hook and sheave block for 2-part line.
- Anti-Two-Block Device:
  - Prevents damage to hoist rope and/or crane components. Dumps hydraulic flow for Hoist Raise, Telescope Extend and Boom Lower.
- Sheave Block:
  - Single sheave block for 2-part line requirements.
- Rated Capacity Limiter:
  - Warns operator of impending overload with audible and visual signals. Prevents overload by stopping boom functions that cause overloads.
IC-40-A, 4-1/2 Ton Industrial Crane with Dual Fuel Engine (Gas/LPG).

Engine Options:
Cummins 2.3L Diesel Engine
Cummins Model A2300, CARB Tier II and EPA Tier II Certified.
Spark Arrester Muffler
Installed in addition to standard muffler.
Engine Shut Down Gauges
Shuts engine off when high water temperature or low engine oil pressure occurs for diesel only.

Tire Option:
Foam Filling of Tires
Spare Tire & Wheel
28 x 9 - 15, 12-ply

Chassis Options:
Auxiliary Winch
Mounted behind front bumper, hydraulically driven with control in operator's console (3,000 lbs. @ 20 FPM).
Pintle Hook - Rear
Holland "T-60-A" pintle hook mounted on rear of frame. 5-ton capacity.
Lifting Sling
Sling to attach to Lifting Rings.
Headlight & Taillight Grilles
Welded steel protective grilles for headlights and taillights.

Operator Compartment Options:
All Weather Cab
Rigid-mounted canopy section and removable hinged door. Includes heater, windshield wiper, defroster fan, demolight & sliding window in door. Cannot be used with Operator Guard.
Cab Heater
Heater with two-speed fan, for units without All Weather Cab.
Operator Guard
Tubular steel weldment with heavy expanded steel mesh top section.

Electrical Options:
Strobe Lights
Two yellow strobe lights mounted to turntable.
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.

Should you, as the end user, require an option or special equipment on your IC-40-A that is not listed on our sales literature, please contact your dealer sales-person or the factory to receive a special quoted price.

Boom Attachment Options:
Boom Extension
8 foot, boom stowable.
Boom Extension, Offset
8 foot, boom stowable, the boom extension is offsettable to 3 different positions. 0 degree (inline), 15 degree and 30 degree offset.
Searcher Hook
2,000 pound capacity. Swivel hook with spring latch hangs from support structure projecting outward from boom tip.