IC-40-D
SPECIFICATIONS

Capacity
9,000 lbs. (4,080 kg)

Sheave Height
33' 6" (10.21 m) (with boom extension)

Horizontal Reach
27' (8.28 m) (with boom extension)

Height
8' 6" (2.06 m)

Width
5' 4" (1.63 m)

The IC-40 is a very popular compact pick and carry deck crane. Operator fatigue is minimized with easy to operate fully hydraulic controls that deliver smooth, precise operation. Four-wheel drive powers through tough applications.

LIGHTING PACKAGE
One pair headlights and taillight.

DISPLAY
Fuel, ammeter, oil pressure, and water temperature gauges, hydraulic oil temperature gauge and hourmeter.

BACK-UP ALARM
Provides pulsating sound from 97dB alarm when transmission is in reverse.

OUTRIGGER ALARM SYSTEM
Two-tone alarm is activated when “outrigger down” controls are operated.

TANDEM PUMP
Mounted to rear of hydrostatic piston pump. Delivers 6 GPM (23 L/min) at 2,600 PSI (179 bar) for boom circuits and 17 GPM (64 L/min) at 2,250 PSI (155 bar) for hoist circuit. System protected by relief valves. Hydraulic oil reservoir has 14 gallon (53L) capacity.

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.

28x9-15 pneumatic tires. Pressurized to 120 PSI (80 KPa) for crane rated loads.

ENGINE
Make: Kubota
Model: 1.6L EFI (T4F) 1.8L D1803 (T4F)
Type: Dual Fuel Diesel
Cylinder: 4 3
Displacement: 1.6L 1.8L
HP @ Gov. Speed: 44HP (33 kW) 50HP (37kW)
Fuel Tank Capacity: 13.5 gal. (51L) 13.5 gal. (51L)

Piston type, direct-driven from engine crankshaft. Maximum flow 34 GPM (129 L/min). Maximum pressure 4,000 psi (275 bar).

Weight Total: 8,920 lbs. (4,050 kg)
Travel Speed: 0 to 10 mph (16 km/h)
Drawbar Pull: 2,000 lbs. (910 kg)
Gradeability: 24% (13˚)

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

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www.BMCcranes.com
IC-40-D Specifications

CONSULT THE IC-40-D ENGINEERING SPEC FOR ADDITIONAL INFORMATION.

ENGINE
Spark Arrestor Muffler
Installed in addition to standard muffler.
(Diesel engine only.)

TIRE
Solid Rubber Tires - Non Marking
Foam Filling of Tires
Spare Tire & Wheel - Pneumatic
Foam Filling of Spare Tires

CHASSIS
Auxiliary Winch
Mounted behind the front bumper, hydraulically driven with control in operator's console - 3,000 lbs @ 20 FPM (1,360 kg @ 6.10 mp/m).

Pintle Hook - Rear
Holland "T-60-A" pintle hook mounted on rear of frame rated for 2,000 lbs. (910 kg) tongue weight.

Lifting Sling
Sling to attach to Lifting Rings.

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

OPERATOR COMPARTMENT
All Weather Cab
Rigid-mounted canopy section and removable hinged door with safety glass. Cab door adds 2 in. (5 cm) to crane on operator's side. Includes heater, electric windshield wiper, one sliding glass window on the door, & one fold out window in rear. Defroster fan & dome light included.

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

Operator Guard
Tubular steel weldment with heavy expanded steel mesh top section for units without All Weather Cab.

Floor Mat
Ribbed vinyl mat with foam backing for operator comfort.

ELECTRICAL
Strobe Lights
Yellow strobe light 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
8 foot (2.4 m), boom stowable.

Boom Extension, Offset
8 foot (2.4 m), boom stowable. Boom extension is offsettable to 3 different positions; 0° (in line), 15° and 30° offset.

Searcher Hook - Nose Mount
2,000 lb (900kg) capacity. Swivel hook with spring latch hangs from support structure projecting outward from boom tip.

OPTIONS
For additional options or special equipment not listed, please consult your dealer salesperson or contact Broderson Manufacturing Corp.

Broderson Cranes are designed and built to ISO 9001:2015 certified standards and have a market leading reputation for quality and reliability. Broderson Cranes are engineered for operating efficiency and are easy to operate and maintain.

An extensive network of full-service dealers offer parts and service support by factory-trained technicians.

For additional options or special equipment not listed, please consult your dealer salesperson or contact Broderson Manufacturing Corp.

(913) 888-0606
www.BMCcranes.com

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IC-40-D
SPECIFICATIONS

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ENGINE
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Installed in addition to standard muffler. (Diesel engine only.)

TIRES
Solid Rubber Tires - Non Marking
Foam Filling of Tires
Spare Tire & Wheel - Pneumatic
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CHASSIS
Auxiliary Winch
Mounted behind the front bumper, hydraulically driven with control in operator's console - 3,000 lbs @ 20 FPM (1,360 kg @ 6.10 mp/m).

Pintle Hook - Rear
Holland “T-60-A” pintle hook mounted on rear of frame rated for 2,000 lbs. (910 kg) tongue weight.

Lifting Sling
Sling to attach to Lifting Rings.

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

OPERATOR COMPARTMENT
All Weather Cab
Rigid-mounted canopy section and removable hinged door with safety glass. Cab door adds 2 in. (5 cm) to crane on operator’s side. Includes heater, electric windshield wiper, one sliding glass window on the door, & one fold out window in rear. Defroster fan & dome light included.

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

Operator Guard
Tubular steel weldment with heavy expanded steel mesh top section for units without All Weather Cabs.

Floor Mat
Ribbed vinyl mat with foam backing for operator comfort.

ELECTRICAL
Strobe Lights
Yellow strobe light 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.

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- Boom Extension
- 8 foot (2.4 m), boom stowable.

- Boom Extension, Offset
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- Searcher Hook - Nose Mount
- 2,000 lb (900kg) capacity. Swivel hook with spring latch hangs from support structure projecting outward from boom tip.

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Broderson Cranes
14741 West 106th Street
Lenexa, KS 66215 USA

Broderson Manufacturing Corp.
IC-40-D

SPECIFICATIONS

**Capacities**
- Capacity: 9,000 lbs. (4,080 kg)
- Sheave Height: 33’ 6” (10.21 m)

**Electrical**
- Lightening Package: One pair headlights and taillight
- Display: Fuel, ammeter, oil pressure, and water temperature gauges, hydraulic oil temperature gauge and hourmeter.
- Back-up Alarm: Provides pulsating sound from 97dB alarm when transmission is in reverse.
- Outrigger Alarm System: Two-tone alarm is activated when “outrigger down” controls are operated.

**Engine**
- Make: Kubota Kubota
- Model: 1.6L EFI (T4F) 1.8L D1803 (T4F)
- Type: Dual Fuel Diesel
- Cylinder: 4 3
- Displacement: 1.6L 1.8L
- HP @ Gov. Speed: 44HP (33 kW) 50HP (37kW)
- Fuel Tank Capacity: 13.5 gal. (51L) 13.5 gal. (51L)

**Tandem Pump**
- Piston type, direct driven from engine crankshaft.
- Maximum flow 34 GPM (129 L/min).
- Maximum pressure 4,000 psi (275 bar).

**Hydraulic**
- Hydraulic steering unit with a cylinder attached to each axle. Rear axle is the primary steer. An electric switch in the operator’s compartment is used to select rear-wheel steering, four wheel round steer, or crab steering. Electronic sensors & control box automatically align the steering when a new mode is selected. 1/2 degree oscillation in either direction.

**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.**

**Three-Section Boom Assembly**
- Equipped with bearing pads, double-acting hydraulic cylinders extends boom. The double-acting extension cylinder and the boom elevation cylinder are equipped with direct-connected 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 5,000 lbs. (2,270 kg) & a line speed of 86 FPM (26 m/min). Hoist includes 86’ 9” (26 m) of 3/8 in. (9.5 mm) 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 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.

**Technical Data**

<table>
<thead>
<tr>
<th>Component</th>
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</tr>
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IC-40-D Industrial Crane

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