IC-35-G

specifications

rotation | elevation | extension
--- | --- | ---
boom movement | continuous | 0˚ to 70˚
boom speeds | 1.5 rpm | 17 sec. | 32 sec.
weight total | 7,860 lbs. (3,565 kg.)
travel speed | 0 to 10 mph (16 km/h)
drawbar pull | 2,120 lbs. (960 kg.)
gradeability | 30%

Piston type, direct driven from engine crankshaft. Maximum flow 34 GPM (120 L/min). Maximum pressure 4,000 psi (275 bar).

front

Channel shaped structure houses torque hubs, brakes and hydraulic drive motors. Axle oscillates a total of 1 1/2" (38 mm).

rear

Fixed rigid to frame.

front pulling eye

Mounted on front bumper.

cargo deck

9 sq. ft. (2.7 m²) of deck area. 6,000 lbs. (2,720 kg) capacity on deck when load is centered over or between axles.

outriggers

Four hydraulic outriggers of box-beam construction. Independent controls for each. Hydraulic cylinders are equipped with direct-connected holding valves.

headlight & taillight grilles

Welded steel protective grilles for headlights and taillights.

lifting rings

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

front pulling eye

Mounted on front bumper.

lighting package

One pair headlights and taillight.

display

Fuel, voltmeter, 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.

outtrigger alarm system

112 dB alternating two-tone alarm is activated when "outtrigger 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 2,500 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 disc brake attached to each torque hub for additional braking in some conditions. Parking brake switch locks brakes to hold crane when not being driven.

front

7.5 x 10 pneumatic, 145 PSI, (1,000 kPa)

rear

7.5 x 10 pneumatic, 145 PSI, (1,000 kPa)

chassis

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

engine

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 (35kW)

50HP (37kW)

Fuel Tank Capacity

13.5 gal. (51L)

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Piston type, direct driven from engine crankshaft. Maximum flow 34 GPM (120 L/min). Maximum pressure 4,000 psi (275 bar).

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rear

7.5 x 10 pneumatic, 145 PSI, (1,000 kPa)

chassis

Provides one-position access to all chassis & crane functions. Includes adjustable operator’s seat, retracting seat belts, fire extinguisher & bubble level.
The IC-35 is small in size with big crane features. This machine is a customer favorite because of its legendary reliability. It’s tight turning radius is perfect for maneuverability in space-constrained work sites.

**IC-35-G Industrial Crane**

**ENGINE**
- **Make**: Kubota
- **Model**: D1803 (T4F)
- **Type**: Dual Fuel
- **Cylinder**: 3
- **Displacement**: 1.6L
- **HP @ Gov. Speed**: 50HP (37kW)
- **Fuel Tank Capacity**: 13.5 gal. (51L)

**HYDRAULIC PUMP**
- **Maximum flow**: 34 GPM (120 L/min)
- **Maximum pressure**: 4,000 psi (275 bar)

**LIGHTING PACKAGE**
- One pair headlights and taillight.

**DISPLAY**
- Fuel, voltmeter, 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**
- 112 dB alternating 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 2,500 PSI (155 bar) for hoist circuit. System protected by relief valves. Hydraulic oil reservoir has 14 gallon (53L) capacity.

**BRAKES**
- **FRONT**: 7.5 x 10 pneumatic, 16-ply, 145 PSI, (1000 kPa)
- **REAR**: 7.5 x 10 pneumatic, 16-ply, 145 PSI, (1000 kPa)

**CHASSIS**
- **Front Pulling Eye**: Mounted on front bumper.

**GENERAL**
- **Capacity**: 8,000 lbs. (3,620 kg)
- **Sheave Height**: 33’ 4” (10.2 m) (with boom extension)
- **Horizontal Reach**: 27’ 2” (8.28 m) (with boom extension)
- **Height**: 6’ 6” (1.98 m)
- **Width**: 5’ (1.52 m)

**ELECTRICAL**
- **(12-VOLT SYSTEM)**

**OPERATOR COMPARTMENT**
- Provides one-position access to all chassis & crane functions. Includes adjustable operator’s seat, retracting seat belts, fire extinguisher & bubble level.
### CONSULT THE IC-35-G ENGINEERING SPEC FOR ADDITIONAL INFORMATION.

#### OPTIONS

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

**CHASSIS OPTIONS**
- Auxiliary Winch
  - Mounted behind the front bumper, hydraulically driven with control in operator’s console - 3,000 lbs (1,360 kg) @ 20 FPM (6m/min).
- Pintle Hook - Rear
  - Holland “T-60-A” pintle hook mounted on rear of frame. 5-ton capacity.
- Lifting Sling
  - Three leg lift sling to attach to Lifting Rings.
- Rearview Mirrors
  - One mounted on right-hand deck stake and one mounted on left-hand deck stake. Pivots out of the way for obstacles.

**OPERATOR COMPARTMENT**
- All Weather Cab
  - Rigid-mounted canopy section and removable hinged door with safety glass. Cab door adds 4 in. (102 mm) to crane on operator’s side. Includes heater, electric windshield wiper, one sliding glass window in 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.

**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. Includes switch in operator’s compartment.

#### EXTRA LONG WIRE ROPE
- 140 ft. (42.6m), boom stowable

#### 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 degree and 30° offset.
- Searcher Hook - Nose Mount
  - 2,000 lb (907kg) capacity. Swivel hook with spring latch hangs from support structure projecting outward from boom tip.

**RATED CAPACITY LIMITER**
- Standard

**CAPACITY ON OUTRIGGERS**
- 8,000 lbs. (3,620 kg)

**PICK AND CARRY CAPACITY**
- up to 6,700 lbs. (3,040 kg)

**HEIGHT**
- 6’ 6” (1.98 m)
- 5’ (1.52 m)

**BOOM ROTATION**
- 360° Continuous

**SHEAVE HEIGHT**
- up to 33’ 4” (10.2 m)

**HORIZONTAL REACH**
- up to 27’ 2” (8.28 m)

**TIGHT TURNING RADIUS**

**REAR WHEEL STEER**
- Standard

**FRONT WHEEL DRIVE**
- Standard

**FULLY HYDRAULIC CONTROLS FOR SMOOTH, PRECISE OPERATIONS**

**INDEPENDENT OUTRIGGER CONTROLS**

**DUAL FUEL OR DIESEL AVAILABLE**

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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.

**Broderson Manufacturing Corp.**
14741 West 106th Street
Lenexa, KS 66215 USA

(913) 888-0606
www.BMCcranes.com

Dimensions and values shown are for reference purposes only. Specifications subject to change.