

## **IC-35-G** **Industrial Crane**

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.

### **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)

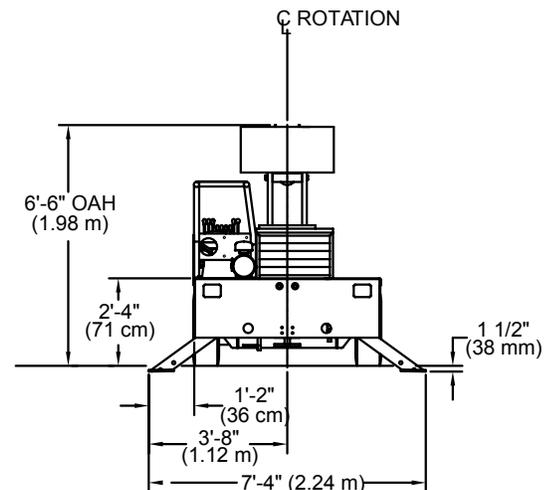
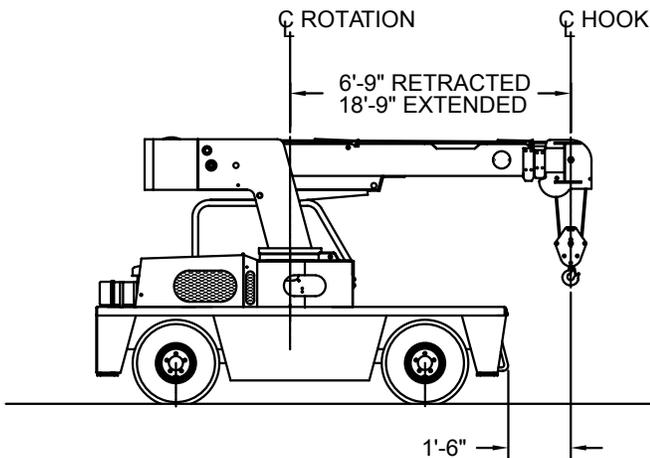
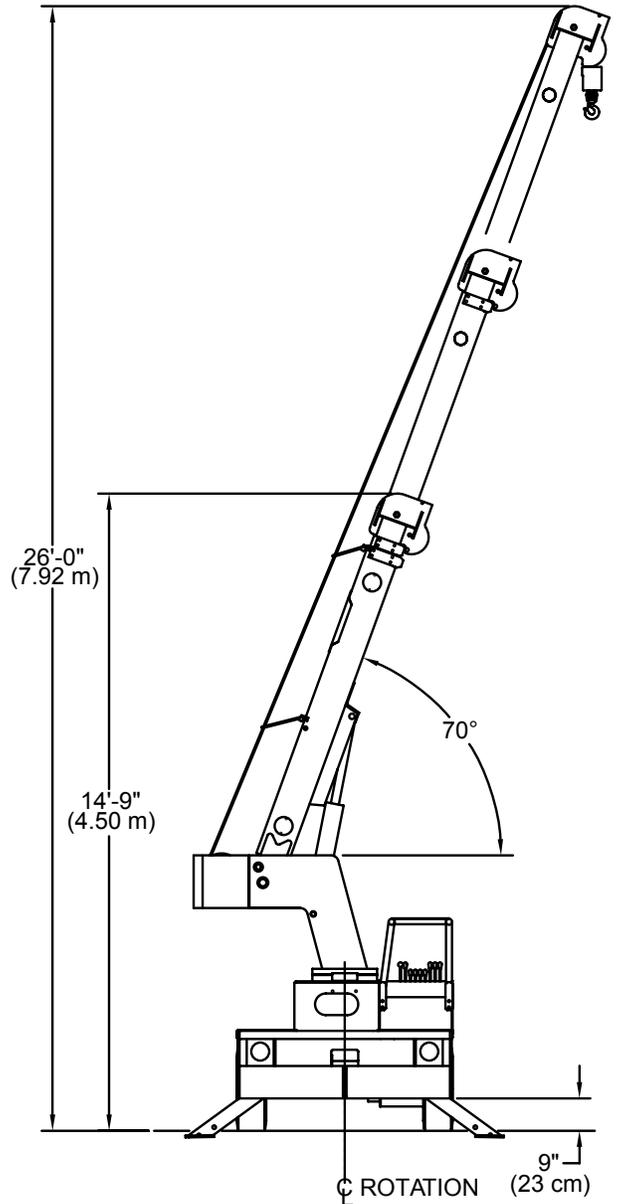
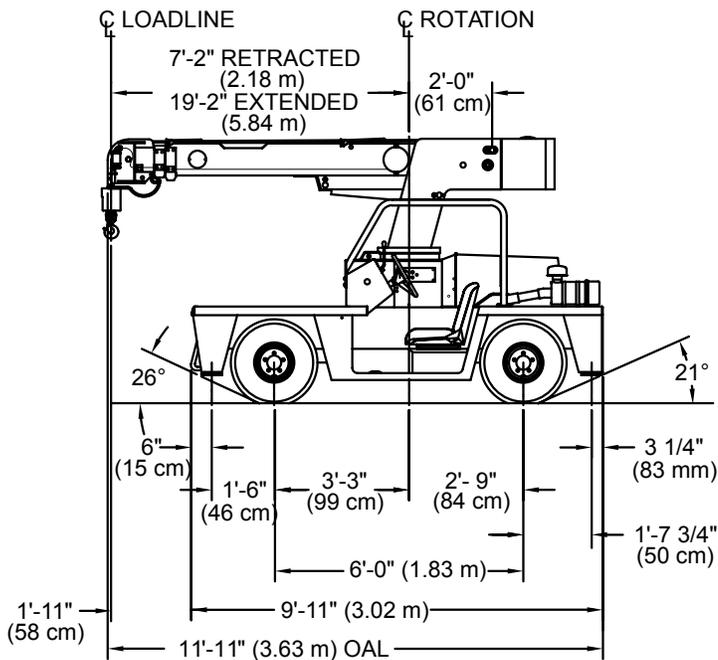
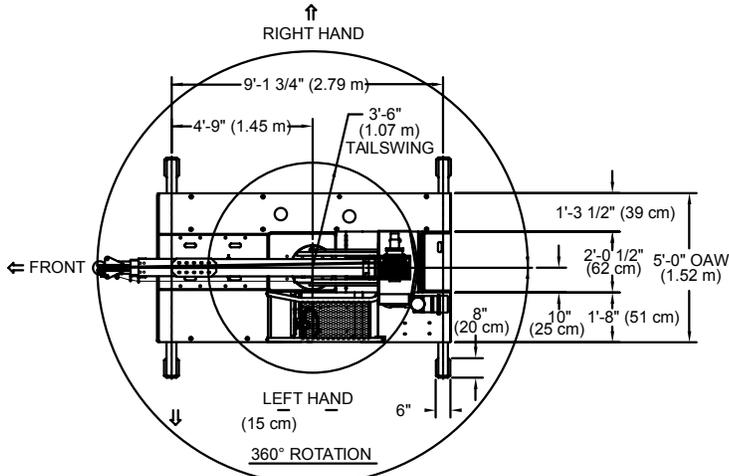
### **Height**

6' 6" (1.98 m)

### **Width**

5' (1.52 m)





# IC-35-G

## GENERAL SPECIFICATIONS



### GENERAL

	ROTATION	ELEVATION	EXTENSION
Boom Movement	Continuous	0° to 70°	12' (3.66m)
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%		

### ENGINE

Make	Kubota	Kubota
Model	1.6L EFI	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)	13.5 gal. (51L)

### HYDROSTATIC PUMP

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

### AXLES

**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.

### STEERING

Full hydraulic steering unit controls 2 1/2" (63 mm.) steering cylinder attached to rear axle.

### BRAKES

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.

### TIRES

**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

**CARGO DECK**  
9 sq. ft. (2.7m) 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.

### 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 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.

### HYDRAULIC

**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.

### BOOM ASSEMBLY

**THREE-SECTION BOOM ASSEMBLY**  
equipped with bearing pads, double-acting hydraulic cylinders extends boom. The primary extension cylinder and the double-acting 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. (2,268 kg) & a line speed of 86 FPM (26 m). Hoist includes 85 ft. (26 m) of 3/8 in. (9.5 m) 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.

CONSULT THE IC-35-G ENGINEERING SPEC FOR ADDITIONAL INFORMATION.

## **Main Features**

**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)

**WIDTH**  
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**

## **Options**

### **TIRE**

#### **Solid Rubber Tires**

For applications where hazardous ground conditions exist.

#### **Solid Rubber Tires - Non Marking**

#### **Foam Filling of Tires**

#### **Spare Tire & Wheel - Pneumatic**

#### **Spare Tire & Wheel - Solid Rubber**

#### **Spare Tire & Wheel - Solid Rubber, Non Marking**

#### **Foam Filling of Spare Tires**

### **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.

#### **Operator Guard**

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

#### **Floor Mat**

Vinyl mat with foam backing.

### **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.

#### **RCL Light Bar**

3 color light bar for external indication of load status

### **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.

Broderson Cranes are manufactured 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.

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

