- Capacity...5,000 lbs.
- Boom rotation...90 degrees
- Height...5’ 6”
- Width...4’
- Easy access to tight spaces
- Gas, dual fuel & diesel fuel options
- Anti-Two Block standard
- 3-Hydraulic outriggers
### Capacities Apply to Operations on Firm Level Surface

<table>
<thead>
<tr>
<th>Load (lbs)</th>
<th>3-Section Boom</th>
<th>7-Ft. Jib</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radius (feet)</td>
<td>Front On Rubber</td>
<td>Front On Outriggers</td>
</tr>
<tr>
<td>4</td>
<td>2500</td>
<td>5000</td>
</tr>
<tr>
<td>5</td>
<td>2000</td>
<td>4000</td>
</tr>
<tr>
<td>6</td>
<td>1500</td>
<td>3300</td>
</tr>
<tr>
<td>8</td>
<td>1400</td>
<td>2500</td>
</tr>
<tr>
<td>10</td>
<td>1300</td>
<td>2000</td>
</tr>
<tr>
<td>12</td>
<td>1200</td>
<td>1600</td>
</tr>
<tr>
<td>15</td>
<td>1100</td>
<td>1200</td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Capacities on outrigger 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 capacity.

**Use Single Part Load Line for Load to 2500 lbs. (Downhaul Weight 40 lbs.)**

**Use Two Part Load Line for Load to 5000 lbs. (Sheave Block Wt. 45 lbs.)**
General:
Weight 6,000 lbs.
Travel Speed Up to 5 mph
Drawbar Pull 2,800 lbs.

Boom Movements:
Rotation 90 degrees
Elevation 0 to 75 degrees
Telescope 6 ft. to 15 ft.

Boom Speeds:
Rotation 13 seconds
Elevation 11 seconds
Telescope 28 seconds

Engine:
Make Ford Perkins
Model VSG413 104.19-IDI
Type Gas Diesel
Cylinders 4 4
Displacement 79 CID 122 CID
HP @ Governed speed 38 HP 39 HP
Fuel Tank Capacity 13.5 Gallons

Hydrostatic Pump:
Piston type, 2.8 CID/Rev direct driveline driven from engine crankshaft.

Axles:
Front Drive Axle:
Contains planetary geared torque hubs and high torque hydraulic drive motors. Axle oscillates a total of 1-1/2 inches.

Rear Steering Axle:
Non-oscillating.

Steering:
Full hydraulic unit with one double-acting cylinder attached to rear axle.

Brakes:
Primary braking from hydrostatic transmission. Foot-actuated hydraulic disc brakes for additional braking. Spring applied hydraulic released park brake, actuated from a toggle switch on operator's control panel. All braking is on front wheels.

Tires:
Front - 7.5 x 10 pneumatic, 16-ply rating.
Rear - 7.5 x 10 pneumatic, 16-ply rating.

Chassis:
Cargo Deck:
Twenty square feet deck area, 5,000 pounds capacity.
Outriggers:
Three hydraulic outriggers of box beam construction with direct-connected holding valves.

Operator's Compartment:
Provides one-position access to all chassis and crane functions.

Electrical System:
12 Volt System
Lighting Group:
One pair headlights and taillight.
Instrument Group:
Fuel, ammeter, oil pressure, water temperature hydrostatic oil temperature gauges & hourmeter.
Back-Up Alarm:
Provides pulsating sound when transmission is in reverse.

Hydraulic System:
Tandem pump mounted to rear of hydrostatic piston pump. Delivers 5 & 16 GPM at rated engine RPM. Hydraulic oil tank capacity 9.5 gallons.

Boom:
Boom Assembly:
Three-section boom assembly equipped with bearing pads, double-acting hydraulic cylinders equipped with direct-connected holding valves. Boom angle indicator on left side of boom.

Boom Swing:
Two double-acting hydraulic cylinders connected to turntable torque tube provides 90 degrees rotation. Heavy-duty rotation bearing supports boom.

Boom Hoist:
Turret-mounted, hydraulically powered hoist, provides bare drum line pull of 3,100 lbs. at a speed of 46 fpm. Includes downhaul weight, swivel hook and 80 ft. of 5/16 in. wire rope.

Anti Two-Block Device:
Prevents damage to hoist rope and/or crane components from pulling load hook against tip.

Sheave Block, Two-Part:
Single sheave block for 2-part line requirements.
IC-20-F

Listed below are brief descriptions of each option available for the IC-20-1F Industrial Crane. Consult the IC-20-1F Engineering Spec for additional information on each option.

IC-20-1F, 2-1/2 Ton Industrial Crane with Gas Engine, Carb, Compliant Exempt.

Engine Options:
LP Gas System
Contains all necessary components for LP Gas.

Dual Fuel System
Contains all necessary components to burn LPG or gasoline.

Perkins Diesel Engine
Perkins Model 104.19-IDI

Spark Arrester Muffler
Installed in addition to standard muffler.

Engine Shutdown Gauges
Shuts engine off when high coolant temperature or low engine oil pressure occurs.

Tire Option:
Solid Rubber Tires
For applications where hazardous ground conditions exist.

Non-Marking Solid Rubber Tires

Foam Filling of Tires

Spare Tire & Wheel: (Specify front or rear)
7.50 x 10, 16-ply (front & rear wheels are different).

Cargo Deck Option:
Deck Mats:  Protects delicate loads from scratching and reduces sliding of heavy loads during travel.

Chassis Options:
Auxiliary Winch
Mounted behind front bumper, hydraulically driven with control in operator's console (3,000 lbs. @ 20 FPM).

Pintle Hook
Pintle hook mounted on rear frame, 5 ton capacity.

Lifting Sling Brackets
Includes two lift rings in front deck and lug on turntable for attaching lifting sling cables. Cables not included.

Lifting Sling
Three leg lift sling only.

Operator Compartment Options:
Operator Guard
Tubular steel weldment with heavy expanded steel mesh top section. Overhead height with guard installed 90 inches.

Floor Mat:
Vinyl mat with foam backing.

Electrical Options:
Strobe Light
One yellow strobe light mounted on top of operator's guard for high visibility. When the operator's guard is not ordered the strobe light is mounted on left-hand frame rail.

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 Attachment Options:
Boom Swing Lock
Prevents boom from being swung in normal 90 degree arc.

7 Foot Pin-on Jib
Consists of jib with pair of tension bars, tip sheave, cable keeper, pins & jib attaching pins. Tension bars provide two positions: In-line & 30 degree offset.

Load Moment Indicator
Warns operator of impending overload with audible and visual signals. Prevents overload by stopping boom functions that cause overloads. Readouts for load, boom angle, boom length and load radius.

Load Indicator
Includes 3-sheave load sensor on top of boom & readout box on top of instrument panel.

Should you, as the end user, require an option or special equipment on your IC-20-1F that is not listed on our sales literature, please contact your dealer sales-person or the factory to receive a special quoted price.