Light weight and durable. With a simple open centre hydraulic system, the 220D is well suited to short wood and tree-length loading. The 220D can be truck or trailer mounted.

**BENEFITS AND ADVANTAGES:**

**Simple open centre hydraulic system**
- Specially designed for high cycle shortwood loading

**Quick and responsive**
- Robust, well-protected cylinders and large diameter pins

**Strength-to-weight optimized boom system**
- High capacity swing system
  - Large diameter bearing; high torque starts and smooth stops

**High capacity cooling system**
- Generously sized components suited to tropical climates

**Excellent service access**
- All valves are located under the walk-up platform
- Easy platform access to engine service points
- Swing-out door to access hydraulic pumps and filters

**Spacious, well finished operator’s station**
- Very quiet operating environment with excellent climate control and tinted windows
- High visibility instrumentation and engine monitoring system

**Rigid subframe for truck or trailer mount**
- Generously sized for excellent stability

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Large diameter swing bearing  Large pins and thick steel plate at all pivots  Clear valve access under deck plate cover
**DIMENSIONS**

LENGTH less boom and steps............. 4 270 mm (168 in)
HEIGHT transport.......................... 3 450 mm (136 in)
WIDTH transport........................... 2 415 mm (95 in)
WEIGHT less grapple....................... 11 300 kg (24,900 lb)

**POWER**

ENGINE ........................................ Cummins QSB4.5 Tier 3,
119 kW (160 hp) @ 2,200 rpm
Optional ....................................... Cummins QSB6.7 Tier 3,
119 kW (160 hp) @ 2,200 rpm

FUEL CAPACITY ........................................ 378 L (100 US gal)

COOLING ............................................ Aluminum side-by-side radiator, oil cooler and charge air cooler; High flow fan

**HYDRAULIC SYSTEM**

PUMP, MAIN .................................... Gear, triple section
PUMP, SWING................................. N/A
RESERVOIR ...................................... 175 L (46 US gal)
FILTRATION .................................... (3) Spin-on, 7 micron full-flow
CYLINDER, HOIST.............................. 178 mm (7 in) diameter
CYLINDER, STICK............................. 140 mm (5.5 in) diameter
CYLINDERS, STABILIZER...................(4) 165 mm (6.5 in) diameter

**SWING SYSTEM**

SWING DRIVE................................ 7 rpm variable, 360° continuous rotation
SWING BEARING.............................. 1 190 mm (47 in) ball circle diameter
Internal gear teeth
Double reduction planetary gearbox

**SUBFRAME**

LENGTH less steps.......................... 3 890 mm (153 in)
Support base .................................. 3 580 mm x 4 550 mm (141 in x 179 in)
Bolt-on bi-directional lock valves

STABILIZER PADS.............................. 510 mm x 710 mm (20 in x 28 in)
END FRAMES .................................. Fabricated from steel plate
TRUCK MOUNT OFFSET...................... 300 mm (13 in)

**BOOM**

MAXIMUM REACH........................ 8 430 mm (27 ft 8 in)
LIFT CAPACITY.............................. 10 890 kg (24,000 lb) at 3,2 m (10.5 ft)
4 265 kg (9,400 lb) at 7.6 m (25 ft)

**ELECTRICAL**

BATTERY............................................(2) 950 CCA, 12 v
ALTERNATOR................................. 80 amp
SYSTEM VOLTAGE............................ 24 v
LIGHTING........................................ Halogen, (2) cab mounted
(1) service, engine house
Optional ........................................ (2) Halogen, boom mounted

**OPERATOR’S STATION**

CAB........................................... Insulated, climate controlled, isolation mounted
Forward sloping, tinted polycarbonate
windshield with wiper/washer
Sliding tinted side windows
3-speed fan; Dome light
Electronic engine monitoring system with
LCD display

SEAT............................................ Heavy duty suspension, fully adjustable

**OPERATOR CONTROLS**

BOOM.......................................... Hydraulic joystick
SWING........................................ Foot operated pilot valve
STABILIZERS................................. Electric switches

**OPTIONAL EQUIPMENT**

Various grapple options
9.14 m (30 ft) boom
HID lighting package
CD stereo system; CB radio

TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE

**220D LOADER**