



TRACTOR BASICS

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Document Information

Version	Date	Person/s	Comments
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SPECIFICATIONS

Make/Model: John Deere 3038E Compact Utility Tractor - 2024

277 kW (371 hp) at 2,600 rpm (SAE J1995 Power at rated speed)
Max. Torque: 120 Nm at 1,680 rpm
Two range Hydrostatic / Two Pedal Automatic
Lift Capacity: 615 kg (at 610 mm [24 in.] behind lift ends)
Towing Capacity: 2,000 kg
Weight: 1,028 kg
Rear PTO

DRIVING

Learning

- Induction from lead.
- Review of this document and awareness of other relevant documents.

Operation

Safety

- Driven only by those inducted and have reviewed this document.
- Speed limit of 5km/hr and care should be taken around pedestrians and other moving vehicles.
- Only one (1) person on tractor whilst operational.
- All persons to stand clear of tractor whilst operational.
- Operator presence system – seat sensor will shut engine off if operator is removed from the seat if tractor not in “N” neutral gear and hand brake not engaged.

Features

- Drive Train –
 - Transmission – 2 pedal automatic (forward and reverse)
 - 4-Wheel Drive with low and high range
- Braking – foot and hand
- Rear hitch –
 - Lever operation to raise and lower
 - Tow ball and extendable towbar
- Front hitch – tow ball

Driving

Process -

- Once seated, ensure hand brake is engaged and gear is in neutral.
- At start of day:
 - Turn ignition key one notch to the right, waiting until glow plugs warm up (approximately 20-30 seconds) before turning key to second notch to start the engine.
 - Let engine run 3 minutes to warm oil in the system before moving.
- At other times: Turn ignition key to second notch to start the engine.
- When ready to move –
 - engage foot brake and release hand brake
 - select gear – “H” for high range or “L” for low range
 - move hand throttle up 10-20%
 - release foot brake and depress forward / reverse pedal
- To stop –
 - reduce hand throttle completely back
 - release forward / reverse pedal and depress foot brake
 - engage hand brake
 - select “N” neutral gear
- To turn engine off turn ignition key completely to the left.

Towing

Sailboats -

- Install wide towbar to rear hitch.
- If towing two (2) sailboats at once, the towbar should be extended either end.
Note: Sailboats sit wider than the tractor.
- Sailboats connected via drop pins to wide towbar.

Equipment Trailer -

- Trailer connected via drop pin to centre of wide towbar.
- Due to the nature of the trailer axle, it is very difficult to reverse the trailer.

Safety and Pontoon Boat -

- Boat trailers connected via tow ball to rear hitch. Utilise hitch height adjustment to assist connection and disconnection.
- Safety chain connected for all movements.

Note: On boat ramp –

- always use “L” low gear.
- engine to remain on and in gear.
- driver to remain on tractor when on boat ramp.
- don't be afraid to increase throttle to move up the boat ramp.
- if ramp slippery when pulling power boats out engage front wheel drive by pulling lever up.

SAIL DAY OPERATIONS

Start of Day

- Tractor ignition key to be retrieved from shed key safe.
- Checks: oil and fuel levels, tyre pressure and visual walk around.
- When turning tractor on for first time ensure glow plugs are warmed up before turning engine on.
- First equipment trailer from shed to carpark position. Note – trailer axle set up doesn't allow it to be reversed with the tractor but rather needs to be pushed by hand.
- Next Safety Boat and then Pontoon Boat:
 - Ensure boat trailer safety chain is secured for all movements.
 - Use low gear moving boats up or down ramp, engaging 4-wheel drive if necessary.
 - At bottom of ramp avoid getting the wheels of the tractor in the water.
 - The tractor driver is to remain on the tractor when on the ramp.
 - The trailers to be returned to the shed.
- Sailing Boats:
 - Moved last to ramp staging area or as the tractor becomes available.
 - If towing two boats at a time the towing shafts should be extended. Note – Care should be taken as shafts and boats protrude each side of the tractor.
- Tractor should be returned to shed, and keys held at Registration desk until required to commence pack up.

End of Day

- Collect tractor keys from Registration desk.
- If space available near boat ramp relocate Pontoon and/or Safety Boat trailers to the area ready for use.
- Sailboats to be moved down to grass areas outside the shed, awaiting power boats to go into shed first.
- Next Pontoon Boat and then Safety Boat removed from the water, hosed down and then returned to the shed.
- Finally tractor and equipment trailer returned to shed.
- Turn off tractor fuel.
- Tractor keys returned to shed key safe.