



Sailability Shorncliffe

Queensland Australia

TRACTOR BASICS

Purpose

This document provides guidance on how to operate the John Deere 3038E Compact Utility Tractor.

This document should be read in conjunction with Sailability Shorncliffe policies and procedures. Refer website – <http://www.sailabilityshorncliffe.org.au/information/risk-management/>

Document Information

Version	Date	Person/s	Comments
1	23 May 25	Owner: Jonathan Routhan Writer: Donna Wenham and Danny Fay	
	Aug 26		Reviewed – no changes

Sail Day Operations

Tasks	Description
General	• Operated only by a person inducted by an experienced operator • Speed limit of 5km/hr (fast walking pace) • Care must be taken around pedestrians and other moving vehicles • Only one (1) person on tractor whilst operational. • All other persons to stand clear of tractor whilst maneuvering • Operator presence system – seat sensor will shut engine off, if operator lifts from the seat and tractor is not in “N” neutral gear and hand brake engaged • Transmission – 2 pedal automatic (forward and reverse) • 4-Wheel Drive capable with low and high range • Braking – foot and hand • Lever operation to raise and lower rear hitch • Tow ball and extendable towbar fitted to rear and tow ball fitted to front hitch
Operating	• Once seated, ensure hand brake is engaged and gear is in neutral • 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

Start of the Day

Tasks	Description
Pre-Start Checks	• Tractor ignition key to be retrieved from shed key safe • Check: 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
Tow Equipment Trailer	• First tow equipment trailer from shed to carpark position • Trailer connected via drop pin to center of wide towbar • Note – trailer axle set up doesn't allow it to be reversed with the tractor but rather needs to be pushed by hand
Tow Safety Boat & Pontoon Boat	• Next Safety Boat and then Pontoon Boat • Boat trailers connected via tow ball to rear hitch • Use hitch height adjustment to assist connection and disconnection • Check boat trailer safety chain is secured for all movements • The trailers to be returned to the shed
On Boat Ramp	• Use low gear moving boats up or down ramp, engaging 4-wheel drive, if necessary (ramp slippery), by pulling lever up • Don't be afraid to increase hand throttle to move up the boat ramp • The tractor driver is to remain on the tractor when on boat ramp • The tractor engine is to remain on when on boat ramp • At bottom of ramp avoid getting the wheels of the tractor in the water
Tow Sailing Boats	• Moved last to ramp staging area or as the tractor becomes available • If towing two (2) sailboats at once, the towbar should be extended either end • Sailboats connected via drop pins to wide towbar • Note – Care should be taken as shafts and boats protrude each side of the tractor
End	• Tractor should be returned to shed • Keys to be held at Registration desk until required to commence pack up

End of the Day

Tasks	Description
Returning boats to shed	• 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 • Tractor keys returned to shed key safe

Tractor 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