QUICK START GUIDE

A SERIES

GL models

EN-GB

VALTRA

YOUR WORKING MACHINE

VALTRA A SERIES GEAR LEVER MODELS

This guide has been created to help Valtra operators to quickly become familiar with their tractor. Please note that this is NOT an operator's manual. Before operating the tractor, it is important that you read the operator's manual with all safety points.

The A series tractors utilise a powerful 3- or 4-cylinder AGCO Power engine combined with new 12 + 12 gear transmission, resulting in a reliable all-round tractor. Modern and spacious cab means ergonomic and silent working environment for driver, and ensures that your work can be done in the most efficient way.

YOUR WORKING MACHINE

YOUR

WORKING

MACHINE

CHASSIS

A5 series tractors are made with three different chassis sizes.

A75, A85 and A95 are equipped with small chassis and 3-cylinder engines, A105 and A115 with medium size chassis and 4-cylinder engines, and A125 and A135 with large chassis and 4-cylinder engines.

Different chassis sizes are made to ensure that you will always get a right size tractor for your work.

MODEL	A75	A85	A95	A105	A115	A125	A135
Engine	AGCO Power 3-cyl, 3.3 litre			Agco Power 4-cyl, 4.4 litre			
Output max, hp	75	85	95	105	115	125	135
Output max, kW	56	63	70	78	86	93	101
Torque max, Nm	315	350	355	435	455	520	540
Chassis	Small			Medium		Large	
Transmission	4WD, 12+12, GL Power shuttle. Optional creeper.						
PTO	2 speeds			2 or 3 speed PTO			
Lifting Power, ton	3.0 ton			4.3 ton		5.2 ton	
Pump capacity	65 l/min			98 l/min			
Wheelbase, mm	2250			2430		2500	

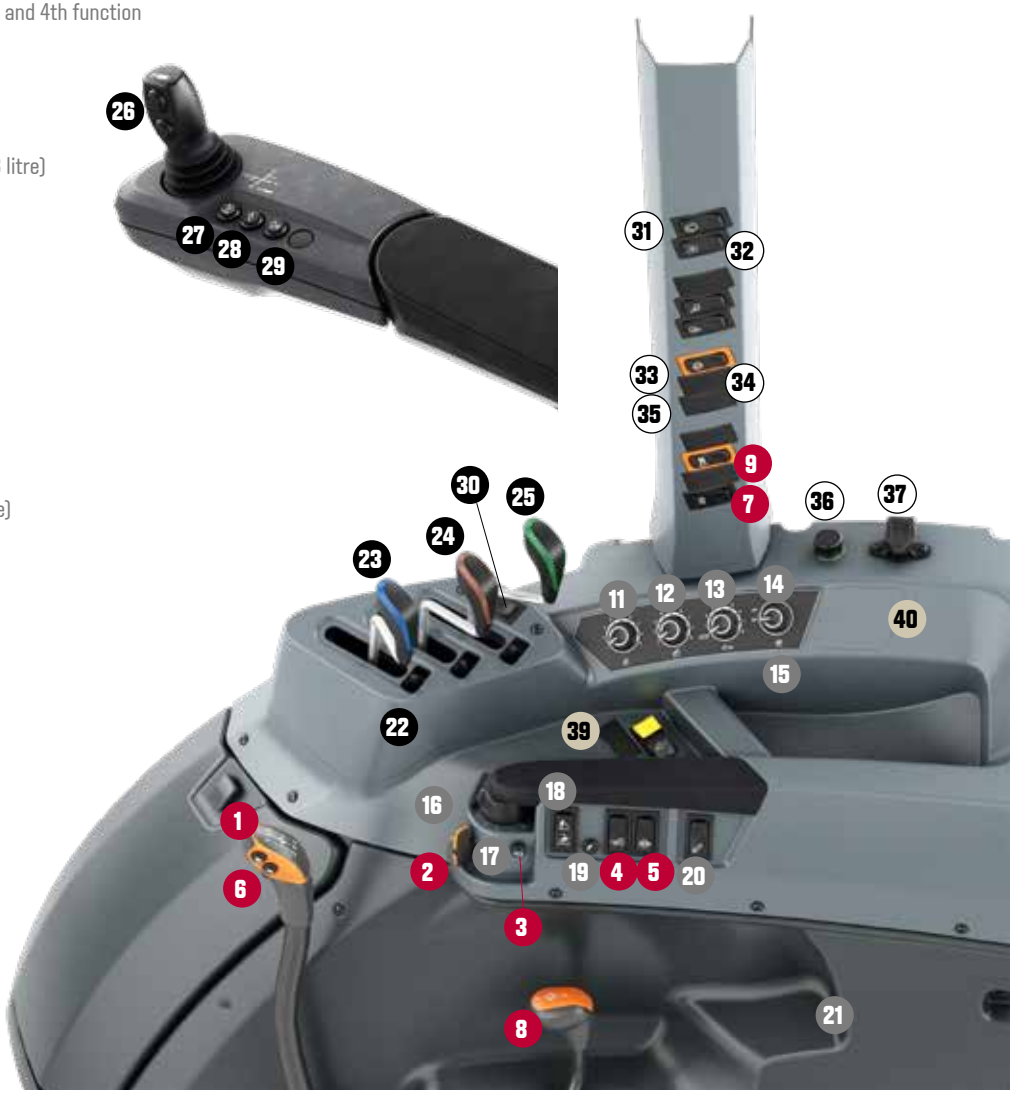
INSTRUMENT PANEL

1. Instrument panel
2. Hazard light switch
3. Power shuttle lever
4. Adjustment knob of the power shuttle engagement speed
5. Ignition switch
6. Multifunction lever
7. Light switch
8. Adjustment lever of the steering wheel position
9. Control panel of the instrument panel display
10. Steering wheel tilt pedal

1. Speed gear lever (with powershift buttons in HT2 models)
2. Hand throttle
3. Engine RPM memory button
4. Switch for four-wheel drive (4WD)
5. Switch for differential lock
6. Clutch button (High shift)
7. Air Pressure trailer brake test switch (optional)
8. Range gear lever
9. AutoTraction activation/deactivation button
11. Lowering speed selector
12. Max lifting height selector
13. Draft control selector
14. Drive balance control knob
15. Indicator light of the drive balance control
16. Work position marker
17. Work position control knob
18. AutoControl switch (lift/stop/lower)
19. Forced lowering button
20. Lifting/lowering switch
21. Trailer hitch release lever
22. Position locking of the valve control lever
23. Control lever for auxiliary hydraulic valve 1
24. Control lever for auxiliary hydraulic valve 2
25. Control lever for auxiliary hydraulic valve 3

SIDE PANEL AND ARM CONTROLS

26.	Joystick (J) Includes push buttons for 3rd and 4th function
27.	Switch for front loader on/off
28.	Front loader hydraulic implement locking
29.	Front loader SoftDrive
30.	Switch for combining hydraulic pumps (98 litre)
31.	Rear window wiper and washer
32.	Additional lower heater
33.	Rotary beacon
34.	Front working lights
35.	Rear working lights
36.	2-pin current socket max 10A (optional)
37.	3-pin current socket max 5A and max 25A
39.	Rear PTO start / stop
40.	PTO speed control knob (Medium and Large)



TRANSMISSION

Valtra A series transmission has 12 + 12 gears in two working ranges. Having 6 gears in one working range minimises the need for two gear lever changes when working.

In GL models you can change the driving direction without using the clutch pedal. Just use the power shuttle lever under the steering wheel. You can also use clutch pedal if you prefer.

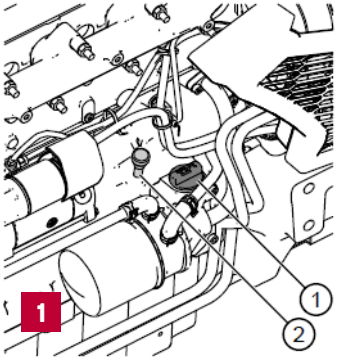
* at 1400 rev/min with 16.9R34 tyres (small)

** at 1400 rev/min with 18.4R38 tyres (large)

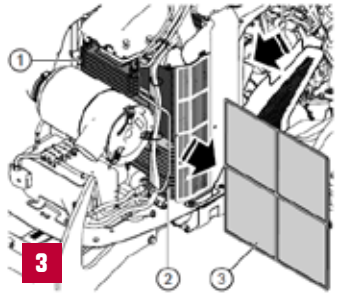
VALTRA A105 driving speeds example, km/h

Gear	Speeds at 2200 r/min	Speeds 1920 (=PTO 540) r/min
A1	1,98	1,73
A2	2,73	2,38
A3	3,77	3,29
A4	5,24	4,57
A5	7,29	6,36
A6	9,89	8,63
B1	8,1	7,1
B2	11,2	9,8
B3	15,4	13,5
B4	21,4	18,7
B5	29,8	26,0
B6	40,5	35,3

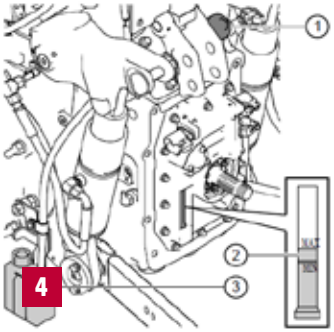
Rear tyres 16.9R38 (SRI =800 mm)



1 Oil filler cap
2 Dipstick



1 Fuel cooler
2 Radiator and coolers
3 Cooler screen



1 Oil filling plug
2 Oil level gage
3 Leakage oil reservoir for the quick couplings

BEFORE DRIVING THE TRACTOR

Before starting the tractor, please make sure that daily maintenance checks are done. Daily maintenance check points are:

1. **Check the engine oil from dip stick**
Engine oil stick is situated on the right side of the engine.
Make sure that engine oil level is between the lower and upper mark.
If necessary, add oil through the oil filler cap.

2. **Check coolant level**
Make sure that the coolant level in the coolant expansion tank is above the fluid level mark for cold fluid. Coolant expansion tank is located under the engine hood

3. **Visual check: tyres, oil leaks, radiators.**
Clean front grill and radiators if needed.

4. **Check oil level in the transmission and hydraulic system**
The oil level must be between the minimum and maximum lines of the oil level gauge. Gauge is located at the rear of the tractor, next to PTO shaft.
If the leakage oil reservoir for the quick couplings is full, remove the oil and discard it.

5. **Check Fuel and AdBlue levels**

STARTING TO DRIVE

1. Push down the clutch pedal and start the engine.
2. Select the speed range (A or B) and suitable gear. Remember to select a gear low enough to manage the start.
3. If you start to drive on a slope, push down the brake pedals to keep the tractor stopped.
4. Move the power shuttle lever to the forward or reverse position.
5. Release the clutch pedal.
6. Adjust the driving speed with the accelerator pedal and change gears when necessary (see next page).

CHANGING THE GEARS

In A5 series tractors you have 6 main gears and 2 range gears. Optionally you can have also super creeper gears which are used for very low speeds.

1. 6 main gears

2. 2 group gears. Lever in front position equals high (B) gears and lever in rear position equals low (A) gears.

GEAR LEVER MODELS

In Gear Lever models you don't need to press the clutch pedal while chancing gears.
You can use the HiShift clutch button on the main gear lever instead.

Easy shuttling with Power Shuttle lever.
No need for clutch.

Tip You can adjust the sensitivity of the power shuttle by adjusting the knob for engaging speed on the dashboard. **This feature adjusts the smoothness of direction changes.**

AUTOTRACTION

AutoTraction is a standard option with all models.
AutoTraction minimises the use of the clutch pedal as you can stop the tractor by using the brakes only.

AutoTraction disengages the clutch if:

- both brake pedals are pressed
- the driving speed is less than 20 km/h
- the accelerator pedal and clutch pedal have not been pressed
- the power shuttle lever is towards the same direction as the current driving direction

When you raise the brake pedals again, the traction will be re-engaged, so you can do stop-and-go work without using the clutch pedal. Note that you just need to have a low-enough gear selected to make restarting possible.

Autotraction can be activated or deactivated from right b-pillar switch

ENGINE
RPM MEMORY

With the engine speed memory you can easily use a certain engine speed, for example in PTO-use. You can control the engine speed memory with the button on the right side panel.

Setting and using engine RPM memory

1. Choose required engine RPM with accelerator pedal or hand throttle.
2. Press the engine RPM memory button for 3 seconds. You will hear a sound and a symbol in instrument panel will light up.
3. Turn the RPM memory on and off by pressing the engine RPM memory button for 1 second.

HYDRAULICS
ADJUSTING REAR VALVES

In A5 series tractors you have open centre hydraulics with up to three auxiliary valves. The maximum hydraulic flow is 65 l/min in models A75-A95 and 98 l/min in models A105-A135.

1. Valves can be locked easily - for constant flow or in neutral.

2. Additionally you can select an option of two electronically controlled valves for front loader.

3. In models A105-A135 you get the maximum flow up to 98 l/min by combining the flow of two pumps by a rocker switch next to hydraulic levers.

Tip The tractor can be completed with a flow control valve. This valve will be controller from the rear and it regulates the amount of oil available from the brown valve. The remaining oil flow can be used at same time to power lift or for other services. With this device you can adjust the speed of a hydraulic motor or/and use two functions simultaneously. See number 2 on the REAR CONTROLS page.

REAR PTO

A series tractors can be equipped with 2-speed PTO (all models) or with 3-speed PTO (A105-A135) according what is specified. The PTO speed can always be read on the performance monitor.

1. Rear PTO is turned on and off via rocker switch in right console.
2. In A75-A95 speed selection is done with an external control lever and electrically from the right console in bigger models.
3. In A105-A135 the speed selection is done electrically from the right side panel.

PTO SWITCH USE IN VALTRA A SERIES MODELS

1. Start the rear PTO
You must be in the operator's seat to start the PTO operation with the internal PTO switch.
Select an applicable gear with the knob for speed control of the rear PTO.
Press and hold the rear PTO switch, and move it rearward to start the PTO operation.
To start the rear PTO with the external controls, push and hold the PTO ON/OFF button for 3 seconds.

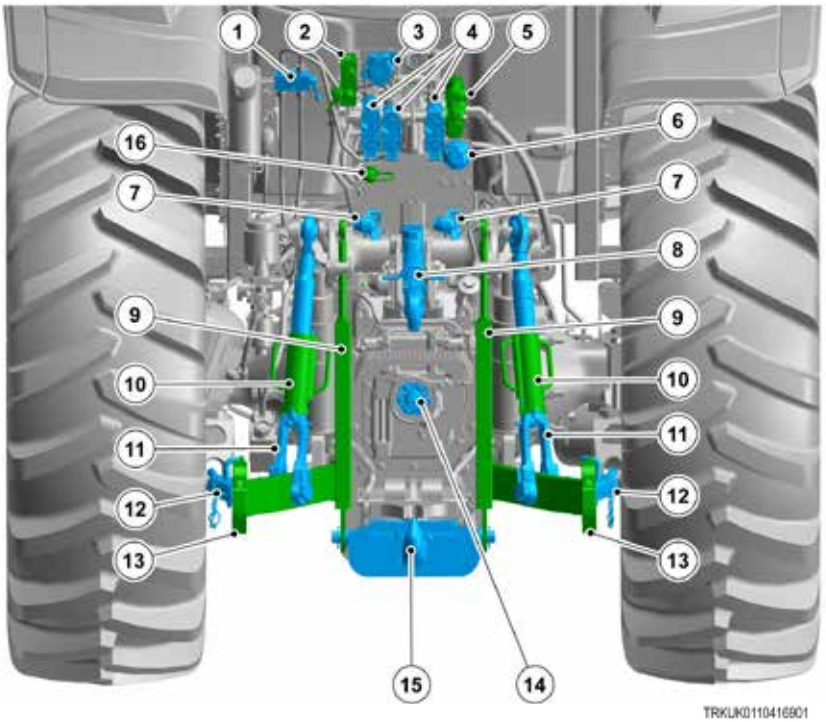
2. Stop the rear PTO
Press and hold the rear PTO switch and move it forward to stop the PTO operation. Then release the switch.

3. Use the PTO brake
Press the rear PTO switch, and move it forward to set the PTO operation to OFF. Continue to hold the switch in the forward position for more than 2 seconds. After a time period of 2 seconds, the PTO brake engages to stop the movement of the rear PTO shaft. When you release the rear PTO switch, the PTO brake disengages.
IMPORTANT: Use the PTO brake only in an emergency when it is necessary to stop the PTO as quickly as possible. You can apply the PTO brake to quickly stop the PTO shaft when you set the PTO operation to OFF.

Note Stationary use of the PTO: If the PTO is in operation and you get up from the driver's seat, the operator presence sensor normally stops the PTO. To avoid this, push the PTOswitch and hold it in the ON position for three seconds before leaving the seat (PTO must be in operation when doing this).

REAR CONTROLS
AND CONNECTIONS

1.	Shut-off valve for the pick-up hitch (optional equipment)
2.	Dual line system for the hydraulic trailer brakes (optional equipment)
3.	Socket for the trailer Anti-lock Braking System (ABS)
4.	Quick couplings for the auxiliary hydraulic system
5.	Flow control valve (optional equipment)
6.	Socket for the trailer lamps
7.	Dual line system for the pneumatic trailer brakes (optional equipment)
8.	Top link
9.	Lift links for the pickup hitch
10.	Adjustment handle for the lift link
11.	Lift links for the lower links
12.	Stabilizer
13.	Hook end
14.	Rear PTO shaft
15.	Pick-up hitch
16.	Free return coupling for the auxiliary hydraulic system



The pick-up hitch is optional with many alternatives.

PTO WORK

1. Push down the clutch pedal and start the engine.
2. Select the right PTO speed from right hand console (A104-A134) or external lever (A74-A94).
3. Turn on PTO with a switch on right console
4. Set the speed you need with hand throttle or accelerator pedal. PTO speed can be read on the instrument panel.
5. Save engine revs into engine RPM memory
6. Set hand throttle to minimum (see Tip below).
7. Select the correct gear and start working.

Tip You can control your engine revs between idle and working using only the RPM memory button after it has been set.

FRONT LOADER WORK WITH ELECTRONIC CONTROLS

1. Push down the clutch pedal and start the engine.
2. Switch on the front loader.
3. Switch on SoftDrive if needed.
4. Combine the hydraulic flow from two pumps to increase the hydraulic flow.

Tip To attach and release implements, use hydraulic implement lock. Push the rocker switch on B pillar and the upper button on the joystick simultaneously and move it to left or right.

Tip Remember the AutoTraction and power shuttle start features and minimise your clutch pedal use.

Tip If you need a long floating position, e.g. in snow ploughing, use FL1. If you only need a short floating position, switch on FL2. You can then engage floating using the joystick's lower button and disengage it using upper button.

FIELD WORK

1. Push down the clutch pedal and start the engine.
2. Select the range A or B.
3. Switch 4WD and Differential Lock to ON position.
4. Select driving direction using the shuttle lever.
5. Press the accelerator pedal or the hand throttle.

TRANSPORT WORK

1. Push down the clutch pedal and start the engine.
2. Select the desired range according to the situation.
3. Switch 4WD to OFF when driving on the road.
4. Select driving direction using the shuttle lever and press accelerator pedal.

TIPS

TIPS FOR DRIVING VALTRA A5

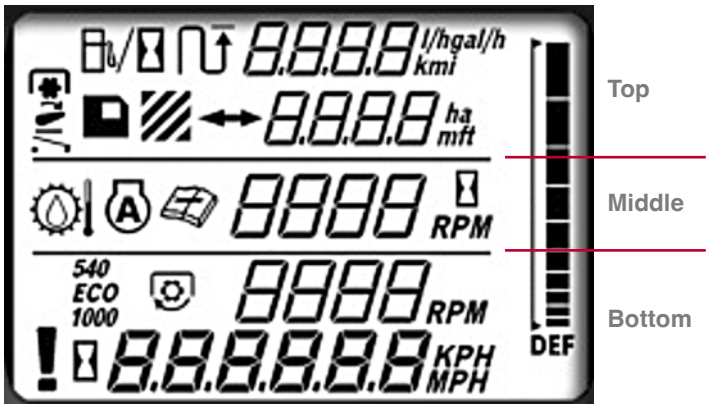
HiShift – Changing gears without a clutch pedal. With all A Series models you can change the gears without having to press the clutch pedal. Simply press the HiShift button on the gear lever when changing gear. There's no need to move your leg!

Standard Auto-Traction - This feature has revolutionised tractor driving. With A5 tractors you only need to use the clutch pedal when starting the engine.
Otherwise you only need brakes and drive pedal for controlling the tractor. The drive is declutched simply by pressing the brakes and clutched again by releasing them. The most intuitive and easy way to drive a tractor in the market!

Hydraulic flow as needed – A105-A135 are fitted with double hydraulic pump. Whenever you need more hydraulic flow for implement operation or for a front loader, just combine the hydraulic flows from both pumps simply with a click of a switch.

DASHBOARD

1. Analogue tachometer
2. Analogue engine temperature gauge
3. Analogue fuel gauge with low level warning light
4. Performance monitor
5. Information lights
6. Warning lights



4 PERFORMANCE MONITOR

Top section: Consumption total, consumption per hour and travelled distance work area (trigged by PTO/power lift)

Middle section: Transmission oil temperature / engine RPM in memory / periodic maintenance

Bottom section: Operating hours

Engine speed / drive speed view or
PTO and drive speed view
Error codes view

VALTRA is a worldwide brand of **AGCO**

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Valtra Inc.
Valmetinkatu 2
FI-44200 Suolahti

Tel. +358 (0)2045 501
Fax +358 (0)2045 50608
www.valtra.com