

VALTRA

Power Partner

ENG

6200 | 8050
6300 | 8150
6400





Success - with a Valtra

The Valtra story is one of success achieved in the face of tough international competition. More than three quarters of production is exported and in recent years Valtra has indeed been the fastest growing tractor marque in Europe. The foundation for all this is provided by the unique basic construction, which allows our tractors to be used in a versatile, year-round fashion - for all-round farming and forestry work as well as any number of different contracting tasks.

The Mezzo and Mega model ranges incorporate technical solutions that lie at the heart of Valtra's design philosophy: a level chassis capable of handling the roughest terrain, a rigid steel frame with integrated fuel tank and simple-to-operate, powerful Autocontrol hydraulics that have become the hallmarks of these tractors. The rugged Sisudiesel engines, manufactured at our own plant, and the superb cab, the most spacious in its class and designed specifically for front/rear operation, ensure work is conducted both effectively and comfortably.

From 1992 onwards Valtra has focused on individualisation, tailoring its tractors to the specific needs and wishes of customers. Customers are also more than welcome to see their tractor being assembled at the factory.



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Valtra Mezzo-Series

6200 6300
6400

Designed for efficient four wheel drive operation from the outset Valtra's Mezzo tractors achieve first class results in every type of farming operation. Perfect balance for maximum traction, without the use of additional weight, is achieved by locating the engine well forward over the front axle. As a result all Valtra tractors have high power to weight ratios, ideal for avoiding compaction and ultimately depressed yields. But, it's a simple matter to add weight, as required, for high draft operations. The wide range of optimum working speeds provided by Valtra's Delta Powershift transmission ensure that all operations, from high speed transport to low speed creep, are completed efficiently and effortlessly. Mounted equipment is handled with equal ease thanks to the ample capacity of the Autocontrol lift linkage.

In the forest, Mezzo tractors are considered the best available thanks to their high ground clearance, lack of protruding components and well protected chassis with clean lines; features which our competitors are still unable to offer. The spacious cab, specifically developed for bi-directional working combined with our





factory-fitted reverse drive system, TwinTrac, extends the boundaries of efficient tractor use in both field and forest. Ergonomically designed controls ensure the long hours spent in the cab by today's drivers are enjoyable and fatigue free.

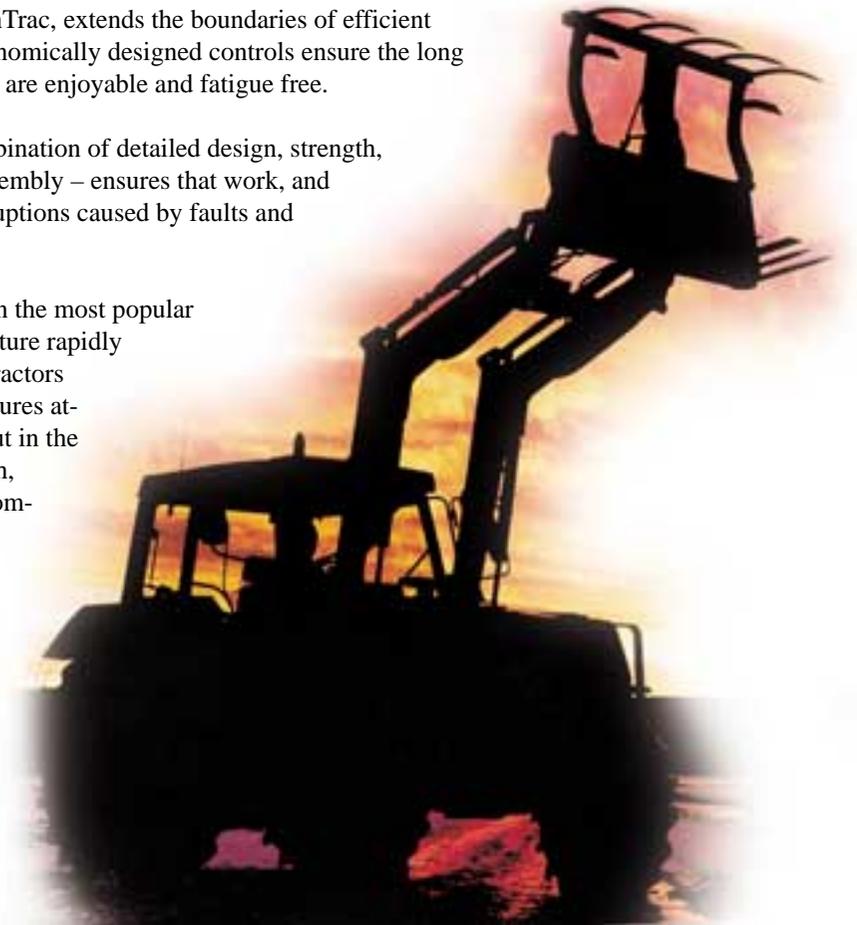
The Mezzo's basic construction - a combination of detailed design, strength, high quality components and careful assembly – ensures that work, and profit margins, do not suffer from interruptions caused by faults and breakdowns.

For many years Valtra Mezzos have been the most popular loader tractors in Nordic countries, a feature rapidly gaining acceptance by farmers and contractors throughout Europe. The rigid design ensures attachments function correctly, whether out in the fields or around buildings. A turbo clutch, not available from the majority of our competitors, is indispensable when loading, decreasing cycle times and reducing fatigue. For high capacity and industrial loaders we have a heavy duty front axle.

Valtra's unique customer ordering system allows you to pick the specification that exactly meets your requirements. There is no need to compromise when it comes to ordering your Valtra.

Three different Mezzo models are available at 85, 95 and 105 horsepower.

All feature four cylinder 4.4 litre turbocharged Sisudiesel engines purposely designed for tractors and, importantly, for each specific tractor model. The 6400 model is fitted with an electronically controlled engine, which also makes cruise control possible.



Valtra Mezzo series

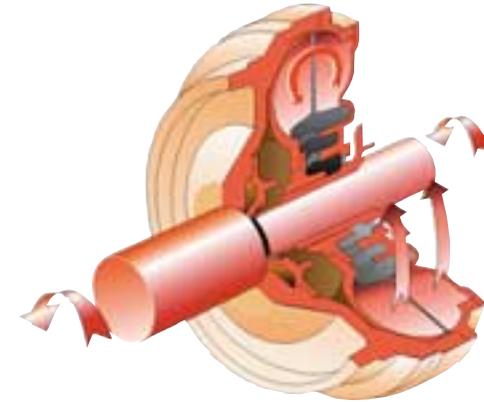
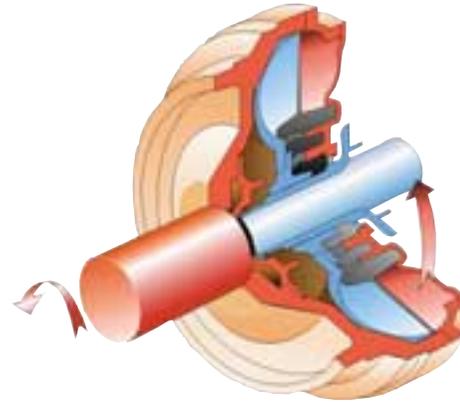
6200 6300
6400

All Mezzo models share a large powerful clutch and shuttle and a versatile transmission with a range of choices to meet operational requirements. The basic version features 12 speeds, forward and reverse, ranging from creep to 40 kmh. However, most operators generally opt for our 3-step Delta Powershift transmission that provides 36 speeds, forward and reverse.

We believe our Delta Powershift transmission is amongst the best available, with ratios stepped tightly to provide the correct ground and engine speed for every conceivable operation. In the key working range of 4 to 12 kph, the driver has the choice of 12 gear speeds making it possible to select, exactly, the correct combination of forward and engine speed for constant speed PTO operation.

All Valtra models may be fitted with HiShift, a system that reduces clutch operation to an absolute minimum. When HiShift is employed the clutch is operated electronically by buttons located on the gear lever knobs. The driver simply depresses the button and shifts the lever to the desired position, forward or reverse, and electronics take over clutch control for a smooth effortless change, automatically taking into account ground and engine speed. Tractors fitted with HiShift also include a speedometer in the specification.





Our HiTrol turbo clutch has been making Valtra drivers' lives more comfortable for over ten years, and for new drivers, the inclusion of HiTrol in the specification is always a pleasant surprise. HiTrol; proved and tested, uses simple, reliable technology. It needs no servicing, yet adds a considerable level of sophistication to the tractor's driving characteristics. Moving off under heavy load is smooth, with no chance of stalling the engine, a loader's bucket can be completely filled without riding the clutch

pedal and, lining-up the drawbar may be achieved without undue stress. Above all clutch wear is cut significantly which means HiTrol, as an option is truly cost effective.

HiTrol plus HiShift, an unbeatable combination matched by few other tractors. A combination approaching clutch free operation. A combination that is guaranteed to increase productivity while, once again, reducing driver fatigue.



Valtra Mega series

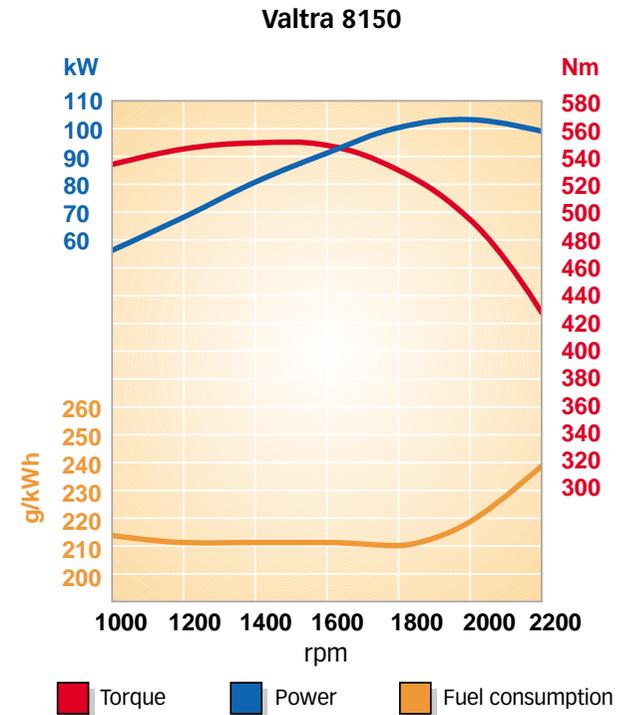
8050 8150

Powered by six cylinder engines Mega range tractors are the Big Brothers of Mezzo models – ideal for high power requirements. Mega tractors are equally productive when used by farmers or contractors as a multi-purpose workhorse on large farms or as a main power source on smaller units.

The Mega is robustly built but carries no unnecessary weight. Like all Valtra tractors the Mega range has been designed for four wheel drive operation from conception. The engine is located well forward over the front axle to give perfect balance and, depending on equipment, can weigh in at under 5 tonnes; ideal for compaction sensitive operations. Even an extensively equipped Mega tractor will weigh no more than five and a half tonnes. Of course additional weight may be added when required. Correct weight distribution ensures maximum traction from both axles making Mega tractors capable of pulling large implements easily and efficiently.

Delta Powershift transmission provides 36 speeds, forward and reverse, and engine power and transmission capability are fully matched by a powerful lift linkage which, controlled by our Autocontrol system the linkage has a lift capacity of seven tonnes. Their clean underbelly make Mega tractors highly suitable for row-crop operation, working in large swaths of grass and straw, forestry and many non-agricultural operations. The bi-directional Ergocab permits operation in both forward and reverse – which ever is the most productive. These features come as standard on all Mega tractors.





The new engines

Mega tractors are powered by Sisudiesel engines: The 8050 (120 hp) and 8150 (135 hp) both feature the 6.6 litre 66 ET engine.

The Valtra's 66 ET engines generate a torque reserve of 550 Nm. But, it's at low engine speeds that the special characteristics are revealed with torque remaining close to maximum as engine speed drops.

This low-rev torque makes starting off under heavy load easier while, driving generally becomes effortless and more pleasurable. All Mega tractors are turbocharged and constant torque is achieved by using the most modern fuel injection and turbocharging technology.

Daily servicing is minimal. The bonnet nose section of Mega tractors lifts effortlessly to permit easy cleaning of the radiator and oil coolers while the engine air intake is fitted with an ejector-type pre-cleaner which virtually eliminates the need to clean the air cleaner element.

All Mega tractors may be supplied with Valtra's unique Aires air-suspended front axle.

Valtra Ergocab

The spacious Ergocab, designed for both Mezzo and Mega tractors provides a calm yet stylish working environment. Entry and exit may be accomplished with equal ease and safety from both sides thanks to the wide doors and conveniently placed, secure, grab handles. The cab steps are built to withstand the roughest terrain and what's more, the bottom step can be folded away neatly to avoid snagging on crops, roots or the ground. Curved, tinted windows provide a comprehensive view in all directions so, whatever the operation, the driver has an excellent view of the implement or, when on the road, other traffic. Narrow pillars ensure blind spots are kept to an absolute minimum.





The cab floor is completely flat and the seat on all models can be easily rotated, in only a few seconds, through 180°, to allow unrestricted rear-facing operation when required. All Mezzo and Mega models are available with TwinTrac reverse drive controls. A range of seats is available and most models may be equipped with a forestry cab featuring roof windows to enhance working with timber harvesters, cranes and similar equipment.

Heat or cold air in the cab is provided by two heater-blowers; one in the foot well, one in the roof. There is also an optional air conditioning system. Dashboard instrumentation is of the traditional type and is designed for easy, at-a-glance reading. Controls are grouped clearly and logically on the dash and to the driver's right.



Autocontrol

The powerful hydraulic system designed for Mezzo and Mega tractors delivers over 70 litres per minute at around 20 kW. At least two quick release external couplings are fitted as standard equipment. Additional valves, a flow divider, hydraulically adjusted top link and tilt may be added as required.

Autocontrol, our electronic hydraulic lift management system is now available in several different versions. All operated with equal ease. The standard Autocontrol system is denoted by the letter B while the more sophisticated version is known as Autocontrol D (ACD). Autocontrol D may be fitted with a radar-based slip control and both versions feature active Drive Balance Control to ensure that heavy equipment does not upset the tractor's equilibrium. By using the mass of the implement drive Balance Control operates to actively smooth out bumps and jolts caused by difficult terrain, uneven ground or roads.





The Valtra lift linkage is recognised as having one of the best lifting ranges in the business. Valtra is known too for its uncompromising approach to the distribution of lift capacity and, as a result the power is virtually the same throughout the lifting arc. This characteristic ensures that Mezzo and Mega tractors also function perfectly with heavy mounted equipment as well as drawbar implements. Lift capacity ranges from 5.6 tonnes (6200 – 6400) to a massive 7 tonnes (8050 – 8150). For increased efficiency the lift linkage of smaller models is available with either telescopic link ends or Ball-Hitch quick couplers. From the 8050 Ball-Hitch couplers are fitted as standard.

Depending on operations the Valtra driver has a number of trailer hitch options. These include a pick-up hitch with hook, which may be replaced with a swinging clevis drawbar. (Stowage space is provided at the rear of the tractor for the drawbar not in use) An adjustable height drawbar is also available.

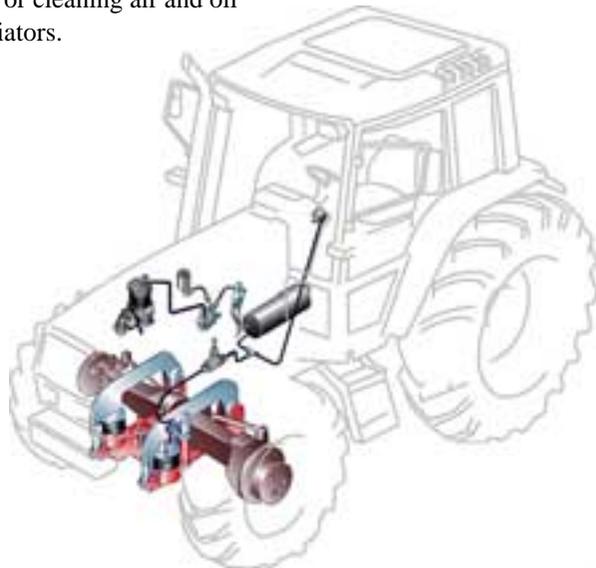
Valtra Aires

Air-suspended
front axle



All Valtra Mezzos and Mega tractors are most definitely drivers' tractors with many tests proving they respond positively in a wide variety of situations. The working efficiency and comfort is improved still further by the addition of Aires – an active air suspension system specifically developed for the range. The front axle is mounted within a sub-frame and linked to the tractor chassis by a pair of shock absorbers and bellows. Sensors rapidly adjust pressure within the bellows to overcome ground shocks.

The compressor, included in the Aires specification, may also be used to operate trailer braking systems and air lines for adjusting tyre pressures or cleaning air and oil coolers or radiators.



Valtra Forest

The new forest cab



Valtra tractors are proving increasingly popular with timber growers and forestry contractors. As a result we have developed the Ergo Cab specifically to assist them in their operations. Upward vision has been increased significantly by the addition of three polycarbonate windows in the roof: One at the back and one each side. If required the sun roof may also be of the same transparent material. A demisting system is located between the side and roof windows, all of which are protected by a strong steel tube.

The forestry cab is available on 105 to 135 hp Mezzo and Mega tractors and articulated Valtra Forest models.



Valtra Service



A well trained service team

Each member of our world wide After Sales Service team is a highly trained professional, with extensive specialist knowledge of the Valtra tractor range. Our continuous training program for service personnel ensures they have intimate knowledge of all our past and present products and their components. Knowledge which is constantly updated, by regular service bulletins.

Valtra After Sales at your service

Our task is to ensure your Valtra tractor is kept in peak condition for maximum output and efficiency. The Valtra After Sales Services organisation is one of the best in the industry and, as a Valtra owner you can be secure in the knowledge the we are available to care for your tractor – 24 hours a day if necessary.

Valtra is never far away

We plan our dealer networks, in all our market areas, to ensure all customers receive an efficient service. National After Sales Services are closely supported by our central stores at Valtra Inc., Finland and our delivery regimes guarantee a fast efficient service with 97% of parts orders dispatched on the day they are received. A record that is one of the best in our industry.



Optional Equipment



Agrodatta on-board computer
Charcoal cab inlet filter
Customer name on left side of cab
First aid kit
Dry powder fire extinguisher
Leather steering wheel
Air conditioning
Air suspended drivers seat
Accelerator pedal, rear
Cruise control (6400, 8050, 8150)
Hi Shift
TwinTrac reverse drive controls with accelerator, brake clutch pedal and steering wheel
Double air filter, cab
Reverse buzzer
Seat GLH (horizontal suspension)
Door limiter (Dual wheels)
Front weights 10 x 37,5 kg
Front wheel weights (28") 4x70 kg
Rear wheel weights 4x80 kg (36" wheels)
Wider rear mudguards

Lower link, ball hook 980 mm cat. 3
Top link, ball hook cat. 2
Top link, hydraulically adjustable
Lift rod, hydraulically adjustable
1" free flow return
Additional 3rd & 4th auxiliary valve
Adjustable flow divider
Front axle with Hi-Lock
Industrial front axle with Hi-Lock
Implement control system
Implement position control
Slip control with radar
Autocontrol D (ACD) lift
Main electrical switch
Door ventilator bar
PTO sensor (with Agrodatta)
Electrical key stop
Fuel tank cap lock
Extra switches for Delta Powershift
Extra fuel tank 120 litre
Agricultural drawbar/pick-up hitch

Technical Data

Valtra Mezzo – Mega

Model	6200	6300	6400	8050	8150
Engine Sisudiesel	420 DSRE	420 DSRE	44 ET	66 ET	66 ET
Max power, Hp (kW)* @ engine rpm	85 (63) 2200	95 (70) 2200	105 (77) 2200	120 (88) 2200	135 (99) 2200
Max torque Nm @ engine rpm	368/1400	408/1400	440/1400	505/1400	550/1400
Torque reserve %	36	34	31	32	28
No of cylinders/liter	4/4,4 Turbo	4/4,4 Turbo	4/4,4 Turbo	6 /6,6 Turbo	6 /6,6 Turbo
Cruise control	–	–	Option	Option	Option
Side mounted exhaust	Option	Option	Option	Option	Option
12 Forward/12 Reverse with synchro shuttle	Standard	Standard	Option	–	–
Delta powershift 36 F/36 R with synchro shuttle	Option	Option	Standard	Standard	Standard
PTO, interchangeable shaft	Standard	Standard	Standard	Standard	Standard
Operation	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
540 PTO rpm @ 1874 engine rpm					
1000 PTO rpm @ 2000 engine rpm	Standard	Standard	Standard	Standard	Standard
540 PTO rpm @ 1874 engine rpm					
750 PTO rpm @ 2138 engine rpm (540E PTO rpm @ 1539 engine rpm)	Option	Option	Option	Option	Option
1000 PTO rpm Extra Heavy Duty	–	–	–	Option	Option
540E/1000 PTO rpm + ground speed	Option	Option	Option	Option	Option
Ground speed	Option	Option	Option	Option	Option
Hydraulic system					
Autocontrol 2.1	Standard	Standard	Standard	Standard	Standard
Autocontrol D (ACD) with drive balance control	Option	Option	Option	Option	Option
Pump capacity, liter/min (gal/min)	73/23	73/23	73/23	73/23	73/23
Max. pressure, bar (MPa)	190 (19)	190 (19)	190 (19)	190 (19)	190 (19)
Lift capacity at link ends through stroke of arms, kg	5600	5600	5600	7000	7000
Linkage category	II	II	II	III	III
Slip control (Radar)	Option	Option	Option	Option with ACD	Option with ACD
Steering	Hydrostatic Fully Adjustable Steering Column				
Max steering angle	55°	55°	55°	55°	55°
Minimum turning radius, m	4,2	4,2	4,2	5,1	5,3
Fuel tank capacity, liter	165	165	165	285	285
Extra fuel tank 120 liter	Option	Option	Option	Standard	Standard
Brakes	Hydraulic wet discs with automatic engagement of four wheel drive braking				
Electrics					
Alternator	1,28 kW	1,28 kW	1,28 kW	1,68 kW	1,68 kW
Battery Ah	160	160	160	184	184
Working lights front	2	2	2	2	2
Rear (2 rotate through 90°)	4	4	4	4	4

*1 ISO 14396

Gear	6200, 6300, 6400 18.4R34, 520/70R34, 600/65R34			8050 16R38/8			8050, 8150 18.4-38, 18.4R38, 600/65R38			8050, 8150 20.8R38, 650/65R38			Gear
	I	II	III	I	II	III	I	II	III	I	II	III	
LL1	0,6	0,7	0,9	0,6	0,7	0,9	0,6	0,7	0,9	0,6	0,7	0,9	LL1
LL2	0,8	1,0	1,2	0,8	1,0	1,2	0,8	1,0	1,2	0,8	1,0	1,3	LL2
LL3	1,2	1,4	1,3	1,1	1,4	1,7	1,1	1,4	1,8	1,2	1,5	1,8	LL3
LL4	1,6	2,0	2,5	1,6	1,9	2,4	1,6	2,0	2,5	1,7	2,1	2,6	LL4
M1	2,9	3,6	4,4	2,7	3,4	4,2	2,8	3,5	4,4	3,0	3,6	4,5	M1
M2	4,1	5,1	6,3	3,9	4,8	6,0	4,0	5,0	6,2	4,2	5,2	6,5	M2
M3	5,8	7,1	8,9	5,5	6,8	8,5	5,7	7,0	8,7	5,9	7,3	9,1	M3
M4	8,1	10	13	7,8	9,6	12	8,0	10	12	8,4	10	13	M4
H1	9,0	11	14	8,6	11	13	8,8	11	14	9,2	11	14	H1
H2	13	16	20	12	15	19	13	16	19	13	16	20	H2
H3	18	22	28	17	21	26	18	22	27	18	23	28	H3
H4	25	31	39	24	30	37	25	31	38	26	32	40	H4

Tyre options – may vary according to market areas

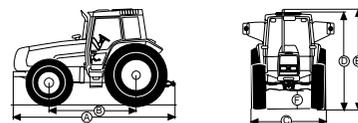
Rear	Front	6200	6300	6400
18.4R34	14.9R24	0	S	S
14.9R38	12.4R28	0	0	0
16.9R34	13.6R24	S	0	0
16.9R38	13.6R28	0	0	0
18.4R38	14.9R28		0	0
20.8R38	16.9R28			
520/70R34	420/70R241	0	0	0
600/65R34	480/65R24	0	0	0
480/70R38	380/70R28	0	0	0
520/70R38	420/70R28	0	0	0
600/65R38	480/65R28		0	0
580/70R38	480/70R28			

Rear	Front	6200	6300	6400
650/65R38	540/65R28			
18.4-34/14 Forst	14.9-24/14 Forst	0	0	0
18.4-38/14 Forst	14.9-28/14 Forst	0	0	0
18.4-R34/14 Ind	14.9-R24/14 Ind	0	0	0
		8050	8150	
16.9R38	13.6R28	0	-	
18.4R38	14.9R28	S	0	
20.8R38	16.9R28	0	S	
600/65R38	480/65R28	0	0	
650/65R38	540/65R28	0	0	
18.4-38/14 Forst	14.9-28/14 Forst	0	0	
18.4-38/14 Ind	16.9-24/14 Ind	0	0	

S= Standard, O= Optional

Dimensions and weights

Model	Tyres	A= Overall length B= Wheel base C= Width D= Height to top of cab E= Height to top of exhaust F= Clearance under front axle Fi= Clearance under rear axle							Weights (less ballast weights) kg
		A, mm	B, mm	C, mm	D, mm	E, mm	F, mm	Fi, mm	
6200	16.9R34/13.6R24	4425	2326	2177	2690	2700	470	450	4120
6300, 6400	18.4R34/14.9R24	4425	2326	2177	2715	2725	470	450	4170
8050	20.8R38	4750	2558	2238	2800	2891	555	535	5000
8150	20.8R38	4750	2558	2238	2800	2815	555	535	5130



Specifications may vary according to chosen options and market area. We reserve the right to alter the specifications and equipment without notification. For further informatin, please contact your local dealer. (Please note! There will be some optional extras added to the tractors in the pictures in this brochure.)

For more detailed information of our products, please, see the brochures and Valtra internet pages at www.valtra.com

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