

Alkè – ATX range comparison chart

	ATX 100E	ATX 200E	ATX 200E AR	ATX 280E	ATX 100	ATX 200	ATX 100D	ATX 200D	ATX 100Dk	ATX 200Dk	
Engine type	Electric	Electric	Electric	Electric	Petrol	Petrol	Diesel	Diesel	Diesel	Diesel	
Manufacturer					Briggs& Stratton	Briggs& Stratton	Lombardini	Lombardini	Kubota	Kubota	
Power	6 KW	6 KW	6 KW	6 KW	16 HP	16 HP	16 HP	16 HP	20 HP	20 HP	Great power and torque, really for professional and intensive uses.
Speed range	0-30 Km/h	0-30 Km/h	0-30 Km/h	0-25 Km/h	0-40 Km/h	0-40 Km/h	0-40 Km/h	0-40 Km/h	0-40 Km/h	0-40 Km/h	
Electric engine											
SEM excitation	Yes	Yes	Yes	Yes							SEM excitation on electric vehicles allows greater performance and energy saving.
Max power with SEM excitation	17,5 KW	17,5 KW	17,5 KW	20 KW							Max power to face slopes and towing jobs. Best in category.
Volts	48 V	48 V	48 V	48 V							
Slow speed mode	0-12 Km/h	0-12 Km/h	0-12 Km/h	0-10 Km/h							Higher torque and driving control.
Cooling	Coaxial fan air cooling	Coaxial fan air cooling	Coaxial fan air cooling	Coaxial fan air cooling + aux electrofan							ATX280E auxiliary engine electrofan for hard condition jobs.
Controller max output power	600A	600A	600A	600A							Higher output power for higher performance and lower chopper overheating (longer chopper life).
Range of charge	70 km	70 km	70 km	90 km							Full working day autonomy in normal conditions.
On Board Charger	Yes	Yes	Yes	Yes							Operator can plug in at any 220v power source anywhere and in any moment.
Type of Charger	Hi Freq.	Hi Freq.	Hi Freq.	Hi Freq.							Hi frequency charger enables better continuous charging, increases batteries life.
Number of Batteries	8x6 V 1x12V aux	8x6 V 1x12V aux	8x6 V 1x12V aux	24x2 V 1x12V aux							Special tube-plate traction batteries + 1 extra battery for lighting circuits and instruments.
Battery capacity (C5)	180A	180A	180A	300A							High performance batteries.
Estimated charge time	8 hours	8 hours	8 hours	12 hours							Recharge during night. No “memory effect” on batteries in case of partial charging.
Battery charge cycles	1400	1400	1400	1800							Hi frequency charger extends battery life (higher number of battery charge cycles).
Auxiliary removable set of batteries	No	No	No	Optional							Auxiliary batteries enables no stop working for time sensible (night&day) activities.

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Conventional engines											
Maximum idling speed					3600 rpm	3600 rpm	3600 rpm	3600 rpm	3600 rpm	3600 rpm	
Displacement					480 cc	480 cc	611 cc	611 cc	719 cc	719 cc	
Cooling					Air	Air	Liquid	Liquid	Liquid	Liquid	Liquid cooling of Diesel versions enable to work heavily also with slow speeds.
Transmission / Axle											
Type	Electronic speed variation	Electronic speed variation	Electronic speed variation	Electronic speed variation	Speed variator with torque converter	Speed variator with torque converter	Speed variator with torque converter	Speed variator with torque converter	Speed variator with torque converter	Speed variator with torque converter	Speed variator with torque converter offers maximum torque at any speed, making driving spirited and extremely easy.
Negotiable slope	35%	35%	30%	35%	60%	60%	60%	60%	60%	60%	Best in category, especially thinking they are not 4WD.
Engine brake	Yes, with energy recovery	Yes, with energy recovery	Yes, with energy recovery	Yes, with energy recovery	No	No	Yes, with automatic engagement	Yes, with automatic engagement	Yes, with automatic engagement	Yes, with automatic engagement	Engine braking system ensures high safety standards and perfect manoeuvrability when driving down steep paths.
Type of Transaxle	Semi-floating	Semi-floating	Semi-floating	Full-floating	Semi-floating	Semi-floating	Semi-floating	Semi-floating	Semi-floating	Semi-floating	Full floating axles, the same used by tracks, double the dynamic load capacity of vehicle.
Brakes											
Front Hydraulic Discs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Safety and security when carrying load or towing equipment.
Rear Hydraulic Drum	Yes	Yes	Yes	Yes, with servo brakes	Yes	Yes	Yes	Yes	Yes	Yes	Hydraulic brakes are safer than mechanical cable operated brakes.
Parking Brake	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Easily accessed, is between bucket seats and easy arms reach.
Dual Circuit Master Cylinders	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Backup in case one circuit fails, used widely on many road vehicles today.
Low Hydraulic Fluid Alert	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Immediate warning at the operator position, maintenance reminder.
Electronic retard motor brake	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	When accelerator is released, braking begins and recharges batteries.
Suspensions											
Front suspension	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson	Mac Pherson suspensions allow higher ride comfort and driving precision.
Rear Suspension	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle with stabilizer bar	De-Dion axle permits softer ride, better axle articulation, better traction on all terrains.

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Chassis and Protections											
Heavy Duty Fibreglass body	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fiberglass is repairable, durable, more resistant to shocks.
Front & Rear double tongue Tow Bars	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Double tongue Heavy Duty Front and Rear Hitches are standard.
Differential guard	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Full protection for differential and other lower parts of vehicle assures no problem for off road situations.
Front protective bull-bar	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	In case of accident to avoid damages to the front bonnet, tires and steering system.
Electrical											
Hour meter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Battery capacity indicator	Yes	Yes	Yes	Yes							
12V on board plug	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Enables to plug cell phones, radio, PC and other electric devices
Reverse warning alert	Yes	Yes	Yes	Yes							Safety when reversing with silent electric versions.
12 Function dash display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	All functions monitored, hours, etc
Stop Lights	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Safety if used on internal private roads.
Turn Indicators	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fitted on front, side and rear.
Hazard Lights	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Front and rear x 2.
Headlights and taillights	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Visibility for all hours of the day and night.
Horn	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Safety strobe light	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Trims											
Glove box with lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Wing mirrors	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

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Dimensions											
Wheel base	182 cm	212 cm	212 cm	212 cm	182 cm	212 cm	182 cm	212 cm	182 cm	212 cm	Longer wheelbase aids stability and increases ride comfort.
Length	302 cm	353 cm	382 cm	353 cm	302 cm	353 cm	302 cm	353 cm	302 cm	353 cm	
Width	127 cm	127 cm	127 cm	127 cm	127 cm	127 cm	127 cm	127 cm	127 cm	127 cm	Very important to work in narrow areas.
Weight empty	770kg	830kg	940kg	1000kg	510kg	590kg	590kg	660kg	590kg	660kg	Stronger steel construction indicative of life expectancy.
Tow Capacity	2.000 kg	2.000 kg	2.000 kg	3.000 kg	1.200 Kg	1.200 Kg	1.200 Kg	1.200 Kg	1.200 Kg	1.200 Kg	Greater tow load due to higher traction power and hydraulic brakes.
Steering											
Rack & Pinion	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Outside Clearance Turn Circle	710 cm	830 cm	830 cm	830 cm	710 cm	830 cm	710 cm	830 cm	710 cm	830 cm	
Loading bed											
Load capacity	480 kg	520 kg	410 kg	1000 kg	540 kg	660 kg	460 kg	590 kg	460 kg	590 kg	Greater capacity due to stronger construction. Best in category.
Dimensions (L, W, H)	130 cm 120 cm 26 cm	180 cm 120 cm 26 cm	180 cm 120 cm 26 cm	180 cm 120cm 26 cm	130 cm 120 cm 26 cm	180 cm 120 cm 26 cm	130 cm 120 cm 26 cm	180 cm 120 cm 26 cm	130 cm 120 cm 26 cm	180 cm 120cm 26 cm	Standard euro pallet size, drop sides allow side loading.
Drop Side Tray	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Easy access, allows larger items to be carried on flat floor.
Aluminium Drop Sides	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Drop sides use hollow scaffold box construction for greater strength. Only Alkè uses Aluminium against corrosion.
Steel Full Height Cargo Barrier	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Safety in case of shifting cargo enters cockpit area. Roll bar function.
Wheels & Tyres											
Front Tyres	23x8.50-12 6ply	23x8.50-12 6ply	23x8.50-12 6ply	23x8.50-12 6ply	22x11-10 6ply (std) 23x8.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt)	Larger Diameter rims, higher safety in case of overloading. 6 ply tyres more resistant to puncturing and other damages.
Rear Tyres	23x8.50-12 6ply (std) 23x10.50-12 6ply (opt)	23x8.50-12 6ply (std) 23x10.50-12 6ply (opt)	23x8.50-12 6ply (std) 23x10.50-12 6ply (opt)	23x10.50-12 6ply	22x11-10 6ply (std) 23x8.50-12 6ply (opt) 23x10.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt) 23x10.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt) 23x10.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt) 23x10.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt) 23x10.50-12 6ply (opt)	22x11-10 6ply (std) 23x8.50-12 6ply (opt) 23x10.50-12 6ply (opt)	Larger Diameter rims, higher safety in case of overloading. 6 ply tyres more resistant to puncturing and other damages.

The technical specifications, the design and the performance of the products may be subject to warning without notice.