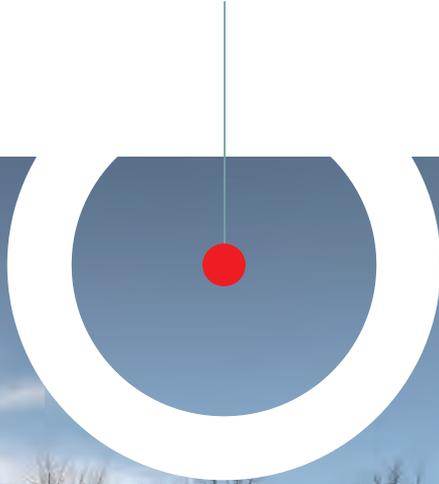




ARBOS



PRODUCTS CATALOGUE

Tractors, Precision planters, Fertilisers, Sprayers

EN



PRODUCTS CATALOGUE
ARBOS

COMPANY PROFILE

High-tech, environmentally sensitive, uncompromising design: ARBOS, the new brand which is ambitiously taking on the world market, is proceeding apace to complete its full product line, adding a complete, efficient and cutting-edge range of agricultural equipment to its range of tractors. ARBOS industrial design guidelines are clearly identifiable:

- ITALIAN TRADITION
- CUTTING-EDGE DESIGN
- ENVIRONMENTALLY SENSITIVE
- A PASSION FOR DESIGN



ARBOS has inherited the values of a long-standing and glorious Italian brand, bringing its strengths up to date, taking advantage of significant economies of scale, focusing on excellence in design and bringing everything together with an original, award-winning style*. The prerequisites for success are all present and are actively pursued with commitment and conviction, aiming at reaching a level of quality which alone can guarantee long-lasting and all-encompassing success. This is what we call "Techno - Green" approach, the cornerstone of our corporate philosophy.

Now the road has finally been paved and the new, rapidly evolving full-line product range, entirely manufactured in our two production plants in San Vito al Tagliamento and Carpi, is making a powerful advance on the domestic and international markets.

All models stand out for their comfort, practicality, style, excellent performance, green credentials and ease of use: Italian design and manufacturing has never been so smart, mixing spot-on design, execution and respect for the surrounding environment.

All this with a keen eye towards reducing purchasing, running and maintenance costs.

We are a blend of expertise, tradition and modernity.

We are ready for the challenges that today and tomorrow may throw at us.

We are fast yet careful, innovative yet grounded.

We are ARBOS.

* Red Dot Winner 2017



Tractors



Orchard/Vineyard tractors



Sprayers



**Pneumatic seed drills
minimum till & no-till**



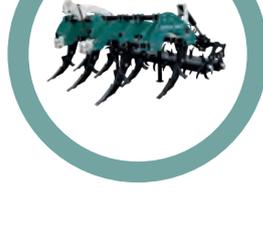
Vacuum precision planters



Seed drills wit power harrow



Fertilizer sprader

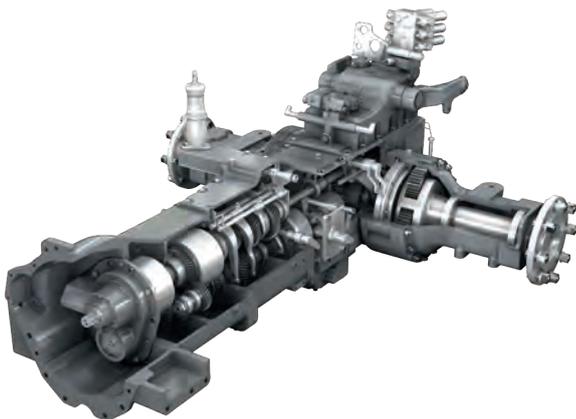


Subsoiler



5000 SERIES

- 4 cyl 3400 cc TIER IV FINAL ENGINE
- Modular 5-speed transmission providing 3 gear ranges - Global and Advanced
- Four-pillar high-visibility cab
- Power lift with up to 4400 kg capacity and 110 l/min hydraulic system



MODULAR TRANSMISSION IN MANY CONFIGURATIONS

The challenge faced by ARBOS designers was definitely not an easy one: design a transmission which is simple yet efficient, modern and relentless without affecting the easiness of use and costs. The result is clear to see: an “accessible” transmission, in line with current technical solutions which is sturdy and reliable in all conditions, as demonstrated during many rigorous field tests. The basic design was developed in two different configurations: Global, Advanced.



DIESEL of the year 2015

For the 5000 Series we couldn't just settle for any engine: we wanted one which is innovative, efficient, fuel saving and 100% reliable. We found it: the Kohler 3404 TCR SCR Tier IV F, four cylinders with 3400 cc, outstanding in the agricultural engines sector. No wonder it was nominated "Diesel of the Year" 2015. Today the ARBOS 5000 range offers three models from 100 to 130 HP, with maximum power of up to 136 HP and 95% of torque available between 1300 and 1800 rpm. One of the many exclusive features of these engines is the compact SCR system (with integrated DOC) installed on the exhaust: the result is a bonnet with tapered, encircling lines, elegant and distinctive, practical for a reduced turning radius.



KOHLER 3404 TCR SCR

- 4 cylinders 3,400 cc Tier IV f
- Max. power 136 HP (95% available at 1900 rpm)
- Max. torque 500 Nm at 1400 rpm
- 95% of Max. torque available from 1300 to 1800 rpm
- Starting torque 410 Nm and 36% torque increase
- Specific consumption 205 g / kWh



CAB: CAR-STYLE COMFORT

Stylish, comfortable, practical: the interior of ARBOS 5000 cab resembles a car, designed for well-being and ergonomics. It is ideal for long working days, successfully combining visibility, comfort and maximum safety.

Perfect pressurisation, reduced noise level, a microclimate that is comfortable and the same in all seasons and at all times of day.

All of this plus an easily accessible, comfortable driving position.

The extensive 360° glass surface (forward visibility angle 42° up, back 30° down) guarantees exceptional visibility and facilitates operations with the front loader and implements connected to the back.

The cab design is based on a cutting-edge engineering approach, with a structure that distributes stresses over the entire surface, making it safer and optimising the weight/power ratio, thanks to a weight that is one third lower than traditional solutions.

The thin roof profile also reduces the tractor's overall height and makes it easier to gauge dimensions where access may be difficult.

Elegance, comfort, visibility and safety: this product is hard to beat!



INTERIORS: TRULY ERGONOMIC

Easy man-machine interaction - in terms of position, load and levers travel: this is the base design concept of ARBOS 5000 cab. The reverse shuttle under the steering wheel (mechanical-synchronised or hydraulic) is handy and practical both with the front loader and in bunker silos, like the levers for the gears, the lift and auxiliary control valves, always within reach. The electro-hydraulic buttons for the diff lock and 4WD engagement allow immediate and instinctive manoeuvring operations. In the cab, amongst the many interesting solutions, comfort is enhanced by the adjustable steering column (double adjustment: angle and height) with a 3-spoke steering wheel and power steering. The light, heating and air conditioning controls are rationally laid out on the dashboard. The powerful climate control unit (completely under the bonnet, with a short and highly efficient circuit), the outlets and the special curve of the windows, optimise air circulation, giving uniform air conditioning, without sudden bursts of hot or cold air. The 5000 Series is available with a traditional analog display or with a more modern 7 inch TFT digital display, having a simple, customisable interface.



ARBOS 5130



reddot award 2017
winner



TECHNICAL SPECIFICATIONS

		ARBOS 5100	ARBOS 5115	ARBOS 5130
ENGINE				
Model			Tier IV Final	
Cylinders/Displacement	N°/cm³		4/3404	
Aspiration			Turbo intercooler	
Injection system			2000 bar Common Rail	
Valves			16 valves	
Max. homologated power (2000/25/CE)	hp/KW	110/81	122/90	136/100
Nominal engine speed	rpm		2200	
Max. torque	Nm	470	480	500
Max. torque engine speed	rpm	1400	1400	1400
Cooling			Liquid-Oil - Gas (EGR)	
Engine control			Electronic	
Air cleaner			Dry with safety cartridge and dust ejector	
Silencer			Underhood with exhaust on cab upright	
After treatment system			DOC+ SCR integrated on rear side pillar	
Ad-Blue fuel tank capacity	l		25	
Fuel tank capacity	l		160	

TRANSMISSION GLOBAL				
Clutch			13" double dry clutch, hydraulically operated	
Gearstep			5	
Range			2	
Creeper			OPT	
Speed	FWD+REV		30 + 30 (2 speed Powershift underload)	
Max. speed			50 kph limited by electronic regulator to 40 kph* at rated engine speed and economy engine speed (1840 rpm)	
Shuttle			Mechanical shuttle with lever under steering wheel	
4WD			Electrohydraulic engagement	
Differential lock			Limited slip 50% auto; 100% diff lock with electrohydraulic engagement	

TRANSMISSION ADVANCED				
Clutch			WET clutch	
Gearstep			5	
Range			2	
Creeper			OPT	
Speed	FWD+REV		45+15 (3 speed Powershift underload)	
Max. speed			50 kph limited by electronic regulator to 40 kph* at rated engine speed and economy engine speed (1840 rpm)	
Shuttle			Powershuttle	
4WD			Electrohydraulic engagement	
Differential lock			Limited slip 50% auto; 100% diff lock with electrohydraulic engagement	

Rear P.T.O				
Clutch			WET clutch	
Speed	rpm		540-1000 or 540E-1000	
Operation			Mechanical operated with pushbutton	

BRAKES AND STEERING				
Braking system			hydrostatically operated, wet disks on rear wheels, 4WD engagement	
Trailer braking			hydraulic braking system pneumatic braking system	
Hydrostatic steering			STD	
Steering angle			55°	

		ARBOS 5100	ARBOS 5115	ARBOS 5130
FRONT AXLE				
Type			Heavy duty	
Front ballast			13 x 40 kg case type weights (total 520 kg)	
Front fenders			Dynamic	
HYDRAULIC LIFT				
Rear lift			Mechanical with Easylift / electronic rear lift	
Maximum lifting capacity	kg		4.400 kg (with external cylinder)	
Pump delivery	l/min		Gear pump total 110 l/min	
			70 l/min dedicated to implements	
Auxiliary hydraulic remote valves	Ways		2 / 3 / 4 remote valves + flow diverter (tot 4)	
3 point linkage (link arms and top link)			Cat II arms with quick adjustment, hydraulic top link	
Front lift			Maximum lifting capacity 2000 kg	
			Quick ballast 850 kg	
DRIVING POSITION				
Cab features		Original sound-proofed (72 dBA), with silent block mounted platform, high visibility roof with rounded glass, up to 8 worklights (4 rear + 4 front) + telescopic rear-view mirrors		
Cab conditioning		Air conditioning		
Instruments		TFT 7" digital display		
Driver's seat		Mechanical suspension, safety belt		
		Pneumatic suspension, safety belt		
DIMENSIONS AND WEIGHTS: with rear tyres				
Rear		540/65 R34	600/65 R38 (W18L*38)	600/65 R38 (W18L*38)
Front		440/65 R24	440/65 R28 (W14L*28)	440/65 R28 (W14L*28)
Max. length at link arms	mm	4.249	4.299	4.299
Width (min - max)	mm	1916-2348	1916-2348	1966 - 2538
Max height at cab	mm	2.644	2.756	2.756
Ground clearance	mm	452	524	524
Wheelbase	mm	2.347	2.397	2.397
Front track (min - max)	mm	1559-2013	1559-2013	1559-2013
Rear track (min - max)	mm	1436-1868	1436-1868	1366-1938
Weight with cab (W/out ballast)	kg	4.200	4.600	4.600







ARBOS

ARBOS GROUP S.p.A. a s.u.
Via Canale, 3 - 41012 Migliarina di Carpi - Modena - Italy • T +39 0522 640111 - F +39 0522 699002
arbos.com