

MODEL RANGE ATM 4000

TECHNICAL DATA	ATM 4140	ATM 4160	ATM 4180
Engine			
Diesel engine DEUTZ	Type TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V
Rated power (ISO 14 396)	kW/HP 103/140	120/163	132/180
Maximal power at 1900 rpm	kW/HP 108/146	125/170	139/189
Standard of exhaust gases toxicity	Class EC III A	Class EC III A	Class EC III A
The range of sustained power	1/min. 1700 - 2100	1700 - 2100	1700 - 2100
Number of cylinders/ displacement volume	- / cm ³ 6 / 6057	6 / 6057	6 / 6057
Nominal speed	1/min. 2100	2200	2200
Torque backup	% 30	30	30
Max torque	Nm 580	695	780
Injection system	common rail system Deutz	common rail system Deutz	common rail system Deutz
System of engine speed control EMR3	electric control system	electric control system	electric control system
Fuel consumption/tank capacity	g/kWh / l 212 / 400	215 / 400	219 / 400
Cooling system	compact system	compact system	compact system
Gearbox/ front axle			
A gear to be switched under the load	with 4-position switch under load	with 4-position switch under load	with 4-position switch under load
Drive stage switching forward/backward	24/24 [40/40 at underspeed]	24/24 [40/40 at underspeed]	24/24 [40/40 at underspeed]
Headway min/max	km/h 2,8 -50 [0,35 -50 at underspeed]	2,8 -50 [0,34 -50 at underspeed]	2,8 -50 [0,34 -50 at underspeed]
Return speed min/max	km/h 3,0 -50 [0,37 -50 at underspeed]	3,0 -50 [0,37 -50 at underspeed]	3,0 -50 [0,37 -50 at underspeed]
Gears 4 -12 km/h	Number 9	9	9
Braking by all driving wheels	multiple-plate, wet	multiple-plate, wet	multiple-plate, wet
Rear power shaft, switching under load	1/min. 540 / 1000	540/750/1000/1400	540/750/1000/1400
Front power shaft, switching under load (opt.)	1000	1000	1000
Front axle of Carraro type	with differential lockup 100 %	with differential lockup 100 %	with differential lockup 100 %
System of implements/ Hydraulic system			
Adjustment type (by use of vibration damper)	EHR	EHR	EHR
Lifting force, max.	N 92000	92000	92000
Class	3	3	3
Hydraulic pump capacity	l/min. 105 / 140	110 / 145	110 / 145
Hydraulic control units, dual action	max. 4	max. 4	max. 4
Four-way lever switching for 2 valves	serially	serially	serially
Non-pressure retraction	serially	serially	serially
Fast-acting hitch-mechanism WKS	serially	serially	serially
Oil amount regulated/ taken away	l/min. 5-80 /max 40	5-80 / max. 40	5-80 / max. 40
Front hitch system / Lifting effort	N 38000	38000	38000
Class	3N	3N	3N
The rest equipment			
Front axle hydro-pneumatic suspension	serially at 50km/h	serially at 50km/h	serially at 50km/h
Front axle hydro-pneumatic suspension	option at 40km/h	option at 40km/h	option at 40km/h
Space cab with left/right door	serially	serially	serially
Air-conditioning	serially	serially	serially
Elastic bearing support of the cab, 40/50 km/h	serially	serially	serially
Cab's pneumatic suspension with level adjustment 40/50 km/h	option	option	option
Compressor	option	option	option
Main dimensions and weight			
Own weight (in base case)	kg 6600	6700	6700
add. total weight	kg 9000	11000	11000
Wheelbase (distance between the wheel sets)	mm 2870	2870	2870
Length/width	mm 4900 / 2400-2700	4900 / 2400-2700	4900 / 2400-2700
Height to the upper end of the cab	mm 3250	3300	3300
Clearance (cultivated crop)	mm 600	600	600
Rear tyres, max.	650/65 R 38 *	650/65 R 42 *	650/65 R 42 *
Front tyres, max.	540/65 R 28 *	540/65 R 34 *	540/65 R 34 *

* optional, section tyres and other types of wire

„Agrotechmash Jsc. Zweigniederlassung Deutschland reserves the right to bring changes in equipment, construction, and technical characteristics preliminary notification. All data indicated here are not guaranteed. The right to mistakes and misprint is reserved.“



ATM GROUP
AgroTechMash JSC
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Agrotechmash Jsc. Zweigniederlassung Deutschland

FUNCTIONALLY AND RELIABLY

«BEAR» POWER

RELIABILITY IN SERVICE

TERRION ATM

POWER IS OUR PROGRAMME

Ergonomic control system for effective operation



Fail proof high-performance hydraulic system and towing couplers meet the real-life demands



Powerful front system for attached implements and front power take-off shaft, optionally



The tractor TERRION ATM 4000 is the up-to-date general concept of the tractors with a low-toxicity engine. Space comfortable cab with air-conditioning and a simple, practical servicing concept.

Task-oriented and thoroughgoing conversion of the experimental-design project to global operation and maximum efficiency.

Tractors of 3 types with DEUTZ engine, ZF gear, CARRARO type front axle, BOSCH hydraulic system, separate oil reserves for gearbox and hydraulic work unit and stable half-frame embodiment.

- versions for 40 km/h and 50 km/h.
- version for 50 km/h with a spring front axle as a standard design
- gearbox with a 4-position switching under the load and remote speed switch forward/backward
- electronic device to adjust the hitch system (EHR), and high carrying capacity
- fast-response hydraulic system with pressure and flow regulating device (load-sensitive) with a high-efficient discharge
- 4 additional control devices
- hydro-pneumatic cab suspension, selectively
- front-mount attached implements system and front power take-off shaft, optionally

TERRION ATM

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4160
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