

# TERRION ATM

ATM United Technologies GmbH  
Production and sales of tractors,  
agricultural and municipal engineering.

If you have any questions concerning to designing, components purchase and delivery, logistic and orders execution, delivery the right to implementations outside the CIS

ATM United Technologies GmbH  
Kurfürstendamm 171  
D-10707 Berlin  
Telefon + 49 (0) 30 88 71 71 90  
Telefax + 49 (0) 30 88 71 71 99  
E-Mail atm@terrior.eu

## 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
Rated power (ISO 14 396 )	kW/HP	103/140	120/163
Maximal power at 1900 rpm	kW/HP	108/146	125/170
Standard of exhaust gases toxicity		Class EC III A	Class EC III A
The range of sustained power	1/min.	1700 - 2100	1700 - 2100
Number of cylinders/ displacement volume	- / cm³	6 / 6057	6 / 6057
Nominal speed	1/min.	2100	2200
Torque backup	%	30	30
Max torque	Nm	580	695
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	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)
Return speed min/max	km/h	3,0 -50 [0,37 -50 at underspeed)	3,0 -50 [0,37 -50 at underspeed)
Gears 4 -12 km/h	Number	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
Front power shaft, switching under load (opt. )		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
Class	3	3	3
Hydraulic pump capacity	l/min.	105 / 140	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
Front hitch system / Lifting effort	N	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
add. total weight	kg	9000	11000
Wheelbase (distance between the wheel sets)	mm	2870	2870
Length/width	mm	4900 / 2400-2700	4900 / 2400-2700
Height to the upper end of the cab	mm	3250	3300
Clearance (cultivated crop)	mm	600	600
Rear tyres, max.		650/65 R 38 *	650/65 R 42 *
Front tyres, max.		540/65 R 28 *	540/65 R 34 *

\* optional, section tyres and other types of wire

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ATM GROUP  
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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**

**4140  
4160  
4180**