

# 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.

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## MODEL RANGE ATM 5000

TECHNICAL DATA	ATM 5220	ATM 5250	ATM 5280
Engine			
Diesel engine Deutz	type	TCD 2013 L06 2V	TCD 2013 L06 2V
Rated power (ISO 14 396 )	kW/HP	162/220	180/245
Maximal power at 1900 rpm	kW/HP	170/231	189/257
Standard of exhaust gases toxicity		Class EC III A	Class EC III A
The range of sustained power	1/min.	1800 - 2300	1800 -2300
Cylinder number / cylinder capacity	- / cm³	6 / 7146	6 / 7146
Nominal rotation speed	1/min.	2300	2300
Torque backup	%	36	30
Max torque	Nm	880	1050
Injection system		common rail system Deutz	common rail system Deutz
System of engine speed control EMR3		electric control system	electric control system
Fuel consumption/tank capacity	g/kWh/l	optimal point 215 / 560	optimal point 208 / 560
Cooling 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
Drive stage switching forward/backward		24/24 [40/40 at underspeed)	24/24 [40/40 at underspeed)
Headway min/max	km/h	3,2 -50 [0,45 -50 at underspeed)	3,2 -50 [0,45 -50 at underspeed)
Return speed min/max	km/h	3,2 -50 [0,44 -50 at underspeed)	3,2 -50 [0,44 -50 at underspeed)
Gears 4 -12 km/h	Number	9	9
Braking by all driving wheels		multiple-plate, wet	multiple-plate, wet
Rear power shaft, switching under load	1/min.	540 E/ 750/1000	540 E/ 750/1000
Front power shaft, switching under load (opt. )		1000	1000
Front axle of Carraro type		with differential lockup 100 %	with differential lockup 100 %
System of implements/ Hydraulic system			
Adjustment type (by use of vibration damper)		EHR	EHR
Lifting force, max.	N	105000	105000
Class		3	3
Hydraulic pump capacity	l/min.	110 / 145	110 / 145
Hydraulic control units, dual action		max. 5	max. 5
Four-way lever switching for 2 valves		serially	serially
Non-pressure discharge		serially	serially
Fast-acting hitch-mechanism WKS		serially	serially
Oil amount regulated/ taken away	l	5-80 /max 50	5-80 / max. 50
Front hitch system / Lifting effort	N	54000	54000
Class		3N	3N
The rest equipment			
Front axle hydro-pneumatic suspension		serially at 50km/h	serially at 50km/h
Front axle hydro-pneumatic suspension		option at 40km/h	option at 40km/h
Space cab with left/right door		serially	serially
Air conditioning		serially	serially
Elastic bearing support of the cab, 40/50 km/h		serially	serially
Cab's pneumatic suspension with level adjustment 40/50 km/h		option	option
Compressor		option	option
Main dimensions and weight			
Own weight (in base case)	kg	9100	9200
add. total weight	kg	14000	14000
wheelbase (distance between the wheel sets) mm		3070	3070
Length/width	mm	5100 / 2500-2700	5100 / 2500-2700
Height to the upper end of the cab	mm	3350	3350
Clearance (cultivated crop)	mm	650	650
Rear tyres, max.		710 / 70 R 42 *	710 / 70 R 42 *
Front tyres, max.		600 / 65 R 38	600 / 65 R 38 *

\* optional, section tyres and other types of wire

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## ATM GROUP

AgroTechMash JSC

AgroTechMash-T JSC

ATM United Technologies GmbH

FUNCTIONALLY AND RELIABLY

«BEAR» POWER

RELIABILITY IN SERVICE

**TERRION ATM**

POWER IS OUR PROGRAMME

Spacious, comfortable workplace with a very good all-around looking and ergonomic for permanent work during a long working day



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



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



The cab with air suspension and level-adjustment device



The tractor TERRION ATM 5000 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, front axle of CARRARO type, BOSCH Company 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
- max. 5 additional control devices (2 with the flow-rate control) for different operation modes
- air suspension at the rear end of the cab (optional) to increase comfort during movement
- front-mount attached implements system and front power take-off shaft, optionally

**TERRION ATM**

**5220  
5250  
5280**