



# Iron 100 110 115 125

Iron

- NEW DEUTZ COMMON RAIL, TIER III, 4 AND 6 CYLINDER INTERCOOLED, TURBOCHARGED AND ELECTRONICALLY CONTROLLED ENGINES WITH EXHAUST GAS RECIRCULATION SYSTEM
- TRANSMISSION WITH POWERSHIFT MAX. SPEED 50 KM/H, RESTRICTED TO 40 KM/H AT ECONOMY ENGINE SPEED (FOR LEGAL PURPOSES)
- 4-SPEED P.T.O.: 540/540E AND 1000/1000E RPM
- HYDRAULIC SYSTEM WITH FIXED OR VARIABLE DISPLACEMENT PUMP WITH LOAD SENSING
- ELECTRONICALLY CONTROLLED RADAR-EQUIPPED REAR LIFT
- MAXIMUM COMFORT GUARANTEED BY AUTOMATICALLY CONTROLLED HYDRAULIC SUSPENSION ON FRONT AXLE AND CAB
- WITH NEW HI-LINE VERSIONS

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# TECHNICAL DATA

	Version	IRON 100	IRON 110	IRON 115	IRON 125
<b>ENGINE</b>		4WD	4WD	4WD	4WD
		DEUTZ TIER III	DEUTZ TIER III	DEUTZ COMMON RAIL 2012 TIER III	DEUTZ COMMON RAIL 2012 TIER III
Cylinders/Displacement	no./cc	4/4038	4/4038	6/6057	4/4038
Aspiration		Turbo Intercooler			
Max. power	HP/KW	100/73	112/82	130/95	130/95
Homologated power at nominal engine speed (2000/25/CE)	HP/KW	100/73	112/82	127/93	127/93
Rated speed	rpm	2300			
Max. torque	Nm	378	398	475	475
Max. torque speed	rpm	1100-1700	1200-1800	1200-1800	1200-1700
Torque reserve	%	38	30	28	37
Cooling		liquid-oil			
Engine control		electronic			
Air cleaner		dry with safety cartridge			
Under-hood silencer		with exhaust at cab upright			
Fuel tank capacity	litres	180			

<b>DIMENSIONS AND WEIGHTS (with rear tyres)</b>		IRON 100	IRON 110	IRON 115	IRON 125
		480/70 R 34	480/70 R 34	480/70 R 38	480/70 R 38
Max. length without link arms	mm	4140	4140	4370	4139
Width min.- max.	mm	1880-2480	1880-2480	1880-2480	1880-2480
Max. height at cab	mm	2685	2685	2765	2735
Ground clearance	mm	500	500	500	500
Wheelbase	mm	2419	2419	2647	2419
Front track min.- max.	mm	1300-1800	1300-1800	1300-1800	1300-1800
Rear track min.- max.	mm	1400-2000	1400-2000	1400-2000	1400-2000
Minimum turning circle without brakes	mm	5455	5455	5850	5455
Weight with safety frame	kg	4440	4440	4850	4440

<b>TRANSMISSION</b>	
Gearbox clutch	oil bath, hydrostatically operated
Gearbox with 4 synchronised gears, 3 Powershift ratios, 2 electrohydraulically engaged ranges (min. speed: 1.67 km/h)	24 FWD + 8 REV
Gearbox with 4 synchronised gears, 3 Powershift ratios, 2 electrohydraulically engaged ranges + creeper (min. speed: 0.33 km/h)	36FWD + 12 REV
Max. speed	50 Km/h restricted to 40 at rated or economy engine speed (1840 rpm) by electronic regulator
Hydraulic power shuttle	with electronically controlled double multi-disc oil bath clutch with control lever below steering wheel
Rear differential lock	electrohydraulically engaged
Lubrication	forced + transmission oil cooler

<b>REAR PTO</b>	
Clutch	multi-disc, oil bath
Speed	540 540ECO 1000 1000ECO
Operation	synchronised PTO with independent drive shaft electrohydraulic with push-button control

<b>FRONT PTO</b>	
Clutch	multi-disc, oil bath
Speed	1000
Operation	electrohydraulic, push-button control

<b>BRAKES AND STEERING</b>	
Brakes	hydrostatic with rear discs in oil bath and DT coupling for hydraulic braking valve
Trailer braking	hydraulic or pneumatic braking system
Hydrostatic steering	independent pump, adjustable steering wheel
Steering angle	52°

<b>FRONT AXLE</b>	
Type	conventional with automatically activated hydraulic suspension electrohydraulically engaged
Front wheel drive	electrohydraulically engaged
Front differential lock	multi-disc, oil bath
Front ballast	SBA/ASM: automatic control of front wheel drive and differentials
Front mudguards	ballast frame (330 kg) and 10 case type weights (40kg) steering

<b>HYDRAULIC LIFT</b>	
rear lift	electronically controlled with Radar
Max. lifting capacity	kg 6200
Pump delivery	75
Electrohydraulic auxiliary control valves	no. ways 6
3 point linkage (link arms & top link)	automatic coupling with raised arm swing damping
Front lift	double acting cylinders maximum lifting capacity 3200 kg

<b>DRIVING POSITION</b>	
Controls	ergonomic gear lever with buttons for powershift, range and clutch
Cab	original soundproofed (72 dbA) with platform suspension, high visibility roof, rear wiper, 8 work lights, telescopic rear-view mirrors as above with self-adjusting pneumatic suspension
Cab air conditioning	automatic air conditioner, drinks cooler, ventilation, heating and forced recirculation
Instrumentation	analogue with digital display
Driving seat	with pneumatic suspension and seat belt

<b>HI-LINE VERSION</b>	
Automatic Powershift (APS)	
Closed centre hydraulic system with 83 l/min variable displacement pump and load sensing function	
4 electrohydraulic auxiliary control valves with flow control and delivery timing	
Multi-functional armrest with integrated joystick	
S.D.S.: programming and memorisation of repetitive actions	
Performance monitor for productivity control	
Automatic air conditioning system	

<b>36 FWD + 12 REV POWERSHIFT GEARBOX - SPEEDS IN KM/H AT 2300 RPM WITH 18.4 R 38 TYRES</b>												
	1SR	2SR	3SR	4SR	1L	2L	3L	4L	1V	2V	3V	4V
LOW	0,33	0,54	0,89	1,48	1,67	2,70	4,48	7,44	7,93	12,80	21,20	35,24
MEAN	0,40	0,64	1,07	1,78	2,01	3,25	5,38	8,94	9,52	15,37	25,46	42,32
HIGH	0,48	0,77	1,28	2,13	2,41	3,89	6,44	10,70	11,40	18,40	30,49	50,67*

The above specifications refer to the most complete level of equipment available. See the current price list and ask your local dealer for further information on standard and optional equipment.

\*=SPEED ELECTRONICALLY RESTRICTED TO 40 KM/H FOR LEGAL PURPOSES  
N.B.: SPEEDS IN REVERSE ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS.

## DEALER CONTACT

# SAME

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We recommend the use of SDF Lubricants and Coolant 

Company with Quality System Certified in compliance with ISO 9001:2000