



Iron 130_140_160_175_185

Iron

- NEW DEUTZ COMMON RAIL, EURO III, 12 OR 24 VALVES, 6 CYLINDER INTERCOOLED, TURBOCHARGED AND ELECTRONICALLY CONTROLLED ENGINES WITH EXHAUST GAS RECIRCULATION SYSTEM
- 4-RATIO POWERSHIFT GEARBOX, MAX. 50 KM/H, LIMITED TO 40 KM/H AT ECONOMY ENGINE SPEED (FOR LEGAL PURPOSES)
- HYDROSTATIC STEERING WITH INDEPENDENT HYDRAULIC SYSTEM
- SELF-COMPENSATING, HYDRAULIC, FRONT AXLE AND CAB SUSPENSION SYSTEMS
- SBA/ASM AUTOMATIC TRACTION CONTROL
- CLOSED-CENTRE HYDRAULIC CIRCUIT WITH 120 L/MIN., VARIABLE DELIVERY, LOAD SENSING PUMP SINGLE PIECE, GALVANISED METAL BODY
- NEW "HI-LINE" VERSIONS AVAILABLE

SAME
TRADITIONALLY INNOVATIVE

TECHNICAL DATA

IRON 130

IRON 140

IRON 160

IRON 175

IRON 185*

	Version	4WD	4WD	4WD	4WD	4WD
ENGINE		DEUTZ COMMON RAIL 2012 EURO 3				
Cylinders/Displacement	no./cm ³	6/6057	6/6057	6/6057	6/6057	6/6057
Valves	no.	12	12	12	24	24
Aspiration		Turbo Intercooler	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler
Max. power	HP/KW	132/97	143/105	166/122	180/132	192/141
Homologated power at nominal engine speed (2000/25/CE)	HP/KW	132/97	143/105	163/120	176/129	184/135
Nominal engine speed	rpm	2100	2100	2100	2100	2100
Max. torque	Nm	515	557	625	684	687
Max. torque engine speed	rpm	1100	1200	1500	1500	1300-1500
Torque backup	%	30	30	27	29	26
Cooling		liquid-oil				
Engine control		electronic				
Air cleaner		dry with safety cartridge and dust ejector				
Silencer underhood		with exhaust on cab upright				
Fuel tank capacity	litres	270	270	305	305	305
DIMENSIONS AND WEIGHTS (with rear tyres)		520/70 R 38	20.8 R 38	580/70 R 38	650/65 R 38	650/65 R 42
Max. length without link arms	mm	4587	4587	4760	4760	4825
Width	mm	2304	2470	2430	2530	2550
Max. height at cab	mm	2922	2922	2985	2985	3127
Ground clearance	mm	520	520	535	535	585
Wheelbase	mm	2647	2647	2770	2770	2817
Front track	mm	1800	1900	1900	1900	1900
Rear track	mm	1800	1850	1850	1850	1850
Minimum steering radius without braking	mm	4950	4950	4950	4950	5000
Weight with cab	kg	5460	5610	5880	5970	6750

TRANSMISSION

Gearbox clutch	oil immersed, hydrostatically operated
POWERSHIFT gearbox: 6 ranges for 4 power gears (min. speed: 3.23 km/h)	24 FWD + 24 REV
POWERSHIFT gearbox: 6 ranges for 4 power gears + creeper (min. speed: 0.40 km/h)	40 FWD + 40 REV
Max. speed	km/h
Hydraulic power shuttle	50 km/h limited by electronic regulator to 40 km/h** at nominal engine speed and economy engine speed (1840 rpm) with double multidisc clutch, oil immersed, electronically operated with control lever under steering wheel
Rear differential lock	electro-hydraulically operated
Lubrication	forced with transmission oil cooler

REAR P.T.O.

Clutch	multiple discs, oil immersed
Speed	rpm
Operation	540-540 ECON-1000-1000 ECON electro-hydraulically operated, push-button control

FRONT P.T.O.

Clutch	multiple discs, oil immersed
Speed	rpm
Operation	1000 electro-hydraulically operated, push-button control

BRAKES AND STEERING

Braking system	all wheel braking, discs, oil immersed on all 4 wheels, hydrostatically operated hydrostatically operated, integral braking by means of discs, oil immersed on rear wheels, and 4WD engagement
Trailer braking	hydraulic braking valve pneumatic braking system
Hydrostatic steering	independent pump, adjustable steering wheel
Steering angle	52°

FRONT AXLE

Type	conventional
Drive engagement	with hydraulic suspension and automatic adjustment electro-hydraulically operated

Front differential lock	SBA/ASM system: automatic front wheel drive disengagement and automatic diff. lock release
Front ballast	ballast spacer (330 kg) and ten 40 kg case type weights
Front mudguards	swivelling

HYDRAULIC LIFT

Rear lift	electronically controlled with Radar
Maximum lifting capacity	kg
Pump delivery	l/min.
Auxiliary hydraulic control valves	no. ways
3 point linkage (link arms and top link)	83 l/min. fixed displacement pump 120 l/min. variable displacement pump with Load Sensing 4/8 with flow regulator, joystick control lever and direct (PowerBeyond) coupler for connection to external control valves
Front lift	automatic hitching with link arm swing lock during lifting double acting cylinders maximum lifting capacity 3200/4000 kg quick fit ballast, 1000 kg

DRIVING POSITION

Cab	original sound-proofed (72 dBA), with platform suspended on silent-block, "high visibility" roof, rear wipers, 8 work lights, telescopic rear-view mirrors as above with automatic compensation pneumatic suspension
Cab conditioning	air conditioning with drinks cooler, ventilation, heating, forced recirculation
Instruments	analog with digital display
Driver's seat with safety belt	mechanical adjustment pneumatic suspension, revolving

HI-LINE VERSION

Multifunction armrest with integral joystick
Automatic Powershift gearbox
Auxiliary electrohydraulic control valves
S.D.S.: programming and storage of repetitive sequences of operations
Clutch control with pushbutton on gear lever
Highly ergonomic lateral console

POWERSHIFT GEARBOX 40 FWD + 40 REV - SPEED IN KM/H AT AN ENGINE SPEED OF 2300 RPM WITH 20.8 R 38 REAR TYRES

	1 SR	2 SR	3 SR	4 SR	1	2	3	4	5	6
L	0,39	0,71	1,14	1,72	3,23	5,81	9,30	14,00	19,30	25,90
M	0,47	0,85	1,37	2,06	3,87	6,96	11,20	16,80	23,10	31,10
H	0,57	1,07	1,64	2,47	4,64	8,35	13,40	20,20	27,80	37,30
S	0,68	1,22	1,96	2,96	5,56	10,00	16,10	24,20	33,30	50,00**

POWERSHIFT GEARBOX 40 FWD + 40 REV - SPEED IN KM/H AT AN ENGINE SPEED OF 2350 RPM WITH 650/65 R 42 REAR TYRES

	1 SR	2 SR	3 SR	4 SR	1	2	3	4	5	6
L	0,40	0,74	1,18	1,79	3,34	6,04	9,68	14,59	20,06	30,71
M	0,49	0,88	1,42	2,13	4,01	7,23	11,60	17,49	24,04	36,81
H	0,58	1,06	1,70	2,56	4,81	8,68	13,91	20,98	28,85	44,20**
S	0,70	1,27	2,03	3,07	5,78	10,40	16,68	25,13	34,57	52,91**

The above specifications refer to tractors with all available equipment. For standard equipment and options, refer to the current price list and ask your local dealer for details.

*=HI-LINE VERSION ONLY
**=FOR SOME COUNTRIES SPEED LIMITED BY ELECTRONIC REGULATOR TO 40 KM/H FOR LEGAL PURPOSES
PLEASE NOTE: REVERSE SPEEDS ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS.

DEALER CONTACT

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SPECIALISED LUBRICATION FOR SAME

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

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