

# IRON 175 S-190 S-200



**NEW ELECTRONICALLY CONTROLLED  
DEUTZ EURO II ENGINES**

**AUTOMATIC POWERSHIFT GEARBOX**

**SDS: SEQUENTIAL DRIVE SYSTEM**

**SELF-LEVELLING PNEUMATIC CAB SUSPENSION**

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# TECHNICAL SPECIFICATIONS

## IRON 175 S

## IRON 190 S

## IRON 200

Version	4WD	4WD	4WD
<b>ENGINE</b>	<b>DEUTZ EURO II</b>		
Cylinders/Displacement	6/7146		
Aspiration	Turbo intercooler		
Max. homologated power (ECE R24.03) for open field ploughing	173/127	192/141	205/150*
Max. homologated power (2000/25/CE) for open field ploughing	185/136	203/149	214/157*
Max. homologated overpower (ECE R24.03) for P.T.O. work and fast transport	192/141	205/150	-
Max. homologated overpower (2000/25/CE) for P.T.O. work and fast transport	203/149	214/157	-
Nominal engine speed	rpm 2350	2350	2350
Max. torque	Nm 735	780	820
Max. torque engine speed	rpm 1400-1600	1400-1600	1400-1600
Torque increase	% 35	41	42
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 380		
<b>DIMENSIONS AND WEIGHTS: (with rear tyres)</b>	<b>650/65 R 38</b>	<b>580/70 R 42</b>	<b>650/65 R 42</b>
Max. length without link arms	mm 4750	4770	4800
Width min. - max.	mm 2520-2680	2450-2610	2550-2710
Max. height at cab	mm 2920	2970	3020
Ground clearance	mm 545	595	620
Wheelbase	mm 2985	2985	2985
Front track min. - max.	mm 1820-2145	1840-2165	1850-2175
Rear track min. - max.	mm 1870-2030	1870-2030	1900-2060
Minimum steering radius without braking	mm 5650	5650	5650
Weight with cab	Kg 7350	7450	7520

\* available power in every condition

### TRANSMISSION

Gearbox clutch	multidisc in oil bath, electro-hydraulically operated
Powershift gearbox: 3 ranges, 9 power gears, with creeper (min. speed: 0.62 Km/h)	27 FWD + 27 REV gears with push-button operated sequential shift AUTOMATIC POWERSHIFT: automatic selection of the best gear for the load and engine speed
Max. speed	Km/h 40
Hydraulic power shuttle	with double multidisc clutch in oil bath, electronically operated with control lever under steering wheel
Rear differential lock	electro-hydraulically operated
Lubrication	forced with transmission oil cooler
Rear half axles	fixed with extendable wheels extendable with fixed wheels

### Rear P.T.O.

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

### Front P.T.O.

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

### BRAKES AND STEERING

Braking system	all wheel braking, discs in oil bath on all 4 wheels, hydrostatically operated
Trailer braking	hydraulic braking valve pneumatic braking system
Hydrostatic steering	independent pump, adjustable steering wheel
Steering angle	55°

### FRONT AXLE

Type	conventional with hydraulic suspension and automatic adjustment
Drive engagement	electro-hydraulically operated
Front differential lock	electro-hydraulically operated SBA system: automatic front wheel drive disengagement and automatic diff lock release
Front ballast	eight 40 Kg case type weights
Front mudguards	steering

### HYDRAULIC LIFT

Rear lift	electronically controlled with radar
Maximum lifting capacity	Kg 10000
Pump delivery	83 l/min. 113 l/min. load sensing variable displacement pump
Auxiliary hydraulic control valves	ways 8 with flow regulator and joystick, electro-hydraulically operated, proportional flow on one control valve
3 point linkage (link arms and top link)	automatic hitching with link arm swing lock during lifting
Front lift	double acting cylinders maximum lifting capacity 4000 Kg quick fit ballast, 1000 Kg

### DRIVING POSITION

Cab	original sound-proofed (72 dBA), with silent-block mounted platform, high visibility roof, 8 work lights telescopic rear-view mirrors as above with automatically adjusted pneumatic suspension
Cab conditioning	air conditioning with drinks cooler, ventilation, heating, forced recirculation
Instruments	analog with digital display
Driver's seat	pneumatic suspension and safety belt

### POWERSHIFT GEARBOX 27 FWD + 27 REV WITH CREEPER - SPEED IN KM/H AT AN ENGINE SPEED OF 2350 RPM WITH 580/70 R 42 REAR TYRES

1 CR	2 CR	3 CR	4 CR	5 CR	6 CR	7 CR	8 CR	9 CR	1 N	2 N	3 N	4 N	5 N	6 N	7 N	8 N	1 F	9 N	2 F	3 F	4 F	5 F	6 F	7 F	8 F	9 F
0,62	0,75	0,90	1,06	1,28	1,55	1,85	2,23	2,68	2,70	3,26	3,92	4,64	5,60	6,74	8,04	9,70	10,21	11,67	12,32	14,82	17,56	21,19	25,49	30,39	36,38	40,00

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.

PLEASE NOTE: REVERSE SPEEDS ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS.

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