

# DORADO S 70-75-90-100



**NEW EURO II ELECTRONICALLY CONTROLLED  
1000 SERIES ENGINES**

**5 SPEED AGROSHIFT GEARBOX (3 POWERSHIFT GEARS)**

**OVERSPEED GEARBOX FOR A TOP SPEED OF  
40 KM/H EVEN AT ECONOMY ENGINE SPEED**

**POWERFUL HYDRAULIC SYSTEM**

**TIGHT 60° STEERING ANGLE**



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# TECHNICAL SPECIFICATIONS

## DORADO S 70

## DORADO S 75

## DORADO S 90

## DORADO S 100

Version	4WD		2WD		4WD		2WD		4WD	
	1000.3 WT EURO II		1000.4 W EURO II		1000.4 WT EURO II		1000.4 WT EURO II		1000.4 WT EURO II	
Engines/Displacement	N°/cm³		3/3000		4/4000		4/4000		4/4000	
Aspiration	Turbo		Natural		Turbo		Turbo		Turbo	
Max. homologated power (ECE R24.03)	100		67/49,5		70/51,5		83/61		90/66	
Max. homologated power (2000/25/CE)	HP/KW		70/51,5		74/54,5		87/64		95/70	
Nominal engine speed	rpm		2200		2200		2200		2200	
Max. torque	Nm		260		257		348		377	
Max. torque engine speed	rpm		1400-1600		1400-1600		1400-1600		1400-1600	
Torque increase	%		22		15		31		31	
Cooling	liquid-oil									
Engine control	mechanical									
Air cleaner	electronic									
Silencer underhood	dry with safety cartridge with lateral exhaust									
Fuel tank capacity	litres									
	55 with tank forward of engine									
	30 with tank under platform									

DIMENSIONS AND WEIGHTS: (with rear tyres)		12.4 R 24		360/70 R 24		380/70 R 24		420/70 R 24	
Max. length	mm	2905		3035		3055		3085	
Width min.- max.	mm	1160-1790		1335-1630		1365-1640		1405-1905	
Max. height at safety frame	mm	2060		2060		2080		2105	
Max. height at cab	mm	2250		2250		2270		2300	
Height at engine hood	mm	1040		1035		1050		1070	
Height at steering wheel	mm	1285		1280		1295		1315	
Ground clearance	mm	260		270 250		270 260		280	
Wheelbase	mm	1925		2055		2055		2056	
Front track min.- max.	mm	985-1280		950-1130 995-1270		890-1195 995-1270		995-1270	
Rear track min.- max.	mm	840-1470		975-1270		985-1260		995-1485	
Minimum steering radius without braking	mm	3080		2940 3120		2980 3150		3200	
Weight with safety frame	Kg	2040		1900 2120		2000 2255		2320	
Weight with cab	Kg	2190		2100 2270		2230 2405		2470	

NARROW AXLE VERSION			
Dimensions with rear tyres	380/70 R 20	11.2 R 24	320/70 R 24
Width min.- max.	mm	1275-1510	1100-1500
Height at engine hood	mm	1010	1020
Height at steering wheel	mm	1240	1255 1270
Ground clearance	mm	220	230 255

TRANSMISSION	
Gearbox clutch	hydrostatically operated
Mechanical gearbox, 4 synchronised gears, 2 gear ranges + underdrive (min. speed: 1,52 Km/h)	16 FWD + 8 REV
Mechanical gearbox, 5 synchronised gears, 2 gear ranges + underdrive (min. speed: 1,16 Km/h)	20 FWD + 10 REV
Mechanical gearbox, 5 synchronised gears, 3 gear ranges (with creeper) + underdrive (min. speed: 0,24 Km/h)	30 FWD + 15 REV
Overspeed gearbox, 5 synchronised gears, 3 gear ranges with Agrosift (3 power gears) (with creeper) (min. speed: 0,19 Km/h)	45 FWD + 45 REV gearbox with 40 Km/h max. speed even at economy engine speed (1850 rpm)
Max. speed	Km/h
Shuttle	mechanical, synchronised
Rear differential lock	electro-hydraulically operated
Lubrication	forced with transmission oil cooler

Rear P.T.O.	
Clutch	multiple discs in oil bath
rpm	540-540 ECON-1000
rpm	540-540 ECON
rpm	540-1000
Operation	Synchronised P.T.O.
Operation	electro-hydraulically operated, push-button control

Front P.T.O. (4WD versions only)	
Clutch	multiple discs in oil bath
Speed	rpm
rpm	1000
Operation	electro-hydraulically operated, push-button control

16 FWD + 8 REV GEARBOX - SPEED IN KM/H AT AN ENGINE SPEED OF 2200 RPM WITH 420/70 R 28 REAR TYRES 420/70 R 28															
1 L UD	1 L	2 L UD	2 L	3 L UD	3 L	4 L UD	4 L	1 F UD	1 F	2 F UD	2 F	3 F UD	3 F	4 F UD	4 F
1,52	1,85	2,42	2,94	3,84	4,66	6,08	7,38	8,40	10,20	13,33	16,18	21,13	25,65	33,45	40,00

AGROSHIFT 45 FWD + 45 REV GEARBOX - SPEED IN KM/H AT AN ENGINE SPEED OF 2200 RPM WITH 420/70 R 28 REAR TYRES															
	1 L CR	2 L CR	3 L CR	4 L CR	5 L CR	1 M	2 M	3 M	4 M	5 M	1 F	2 F	3 F	4 F	5 F
LOW	0,19	0,28	0,41	0,61	0,9	1,21	1,77	2,63	3,88	5,72	6,68	9,74	14,49	21,34	31,51
MEDIUM	0,23	0,33	0,5	0,73	1,08	1,45	2,12	3,16	4,65	6,87	8,02	11,69	17,38	25,61	37,81
HIGH	0,28	0,4	0,6	0,89	1,31	1,76	2,57	3,83	5,64	8,3	9,72	14,18	21,07	31,04	40,00

BRAKES AND STEERING	
Braking system	all wheel braking, discs in oil bath on all 4 wheels, hydrostatically operated
Parking brake	independent
Trailer braking	hydraulic braking valve
Hydrostatic steering	independent pump, adjustable steering wheel
Steering angle	2WD/4WD 70°/60°

FRONT AXLE	
Drive engagement	electro-hydraulically operated
Front differential lock	electro-hydraulically operated
Front ballast	three 40 Kg weights, screw mounted
Front mudguards	fixed

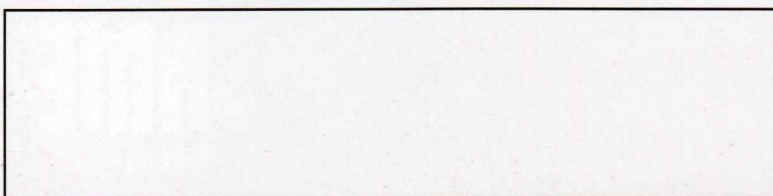
HYDRAULIC LIFT	
Rear lift	mechanical
	electronic
Maximum lifting capacity	Kg 3000
Pump delivery	l/min. 54
Auxiliary hydraulic control valves	ways 4/6 with flow regulator
3 point linkage (link arms and top link)	fixed hitching balls
	automatic hitching
RH link arm and stabilisers	mechanical
	hydraulic
Front lift (4WD versions only)	original built in
	maximum lifting capacity 1500 Kg
	quick fit ballast, 250 Kg

DRIVING POSITION	
Platform	silent-block mounted
Safety frame	folding
Cab	original sound-proofed and pressurised, opening windscreen, rear windscreen wiper, 4 work lights, active carbon air filter, external rear-view mirrors
Cab conditioning	air conditioning, ventilation, heating, forced recirculation
Instruments	analog
	digital display
Driver's seat	mechanical adjustment, safety belt
	pneumatic suspension, safety belt

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.

**Akros** SPECIALISED LUBRICATION FOR SAME



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