



# Diamond 230\_270

Diamond

- NEW DEUTZ COMMON RAIL, EURO III, 24 VALVES, 6 CYLINDER INTERCOOLED, TURBOCHARGED AND ELECTRONICALLY CONTROLLED ENGINES WITH EXTERNAL EXHAUST GAS RECIRCULATION SYSTEM
- AUTOMATIC POWERSHIFT GEARBOX
- FRONT AXLE WITH HYDRAULIC SUSPENSION
- REAR POWER LIFT ELECTRONICALLY CONTROLLED WITH 10500 KG MAX. LIFTING CAPACITY
- FRONT LIFT WITH 5000 KG MAX. LIFTING CAPACITY
- PNEUMATIC CAB SUSPENSION

**SAME**  
TRADITIONALLY INNOVATIVE

# TECHNICAL DATA

# DIAMOND 230

# DIAMOND 270

Version	4WD	DEUTZ COMMON RAIL 2013 EURO 3	4WD
<b>ENGINE</b>			
Cylinders/Displacement	no./cm³	6/7146	
Valves	no.	24	
Aspiration		Turbo Intercooler	
Homologated power at nominal engine speed (2000/25/CE)	HP/kW	244/179	269/198
Max. power (2000/25/CE)	HP/kW	249/183	275/202
Nominal engine speed	rpm	2300	2350
Max. torque	Nm	961	1052
Max. torque engine speed	rpm	1100-1600	1300-1650
Torque backup	%	35	36
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	425 (585)	585
<b>DIMENSIONS AND WEIGHTS (with rear tyres)</b>		<b>710/70 R 42</b>	
Max. length without link arms	mm	5268	
Width min.- max.	mm	2750	
Max. height at cab	mm	3270	
Ground clearance	mm	600	
Wheelbase	mm	3095	
Front track min.- max.	mm	1800-2000	
Rear track min.- max.	mm	1800-2000	
Minimum steering radius without braking	mm	6750	
Weight with cab	kg	9430-10435	

<b>TRANSMISSION</b>	
Gearbox clutch	oil-immersed hydrostatically operated
POWERSHIFT gearbox: 6 ranges for 4 power gears + creeper (min. speed: 0.48 km/h)	40 FWD + 40 REV
Max. speed	km/h 50 km/h limited by electronic regulator to 40 km/h* at nominal engine speed and economy engine speed (1840 rpm)
Hydraulic power shuttle	double multidisc clutch in oil-immersed electronically operated with control lever under steering wheel
Rear differential lock	electro-hydraulically operated
Lubrication	forced with transmission oil cooler
<b>REAR P.T.O.</b>	
Clutch	multiple discs, oil-immersed
Speed	rpm 540 ECON-1000
Operation	electro-hydraulically operated, push-button control
<b>FRONT P.T.O.</b>	
Clutch	multiple discs, oil-immersed
Speed	rpm 1000
Operation	electro-hydraulically operated, push-button control
<b>BRAKES AND STEERING</b>	
Braking system	hydrostatically operated, integral braking by means of oil-immersed on rear wheels, and 4WD engagement
Trailer braking	hydraulic braking valve
Hydrostatic steering	pneumatic braking system
Steering angle	independent pump, adjustable steering wheel
	52°

<b>FRONT AXLE</b>	
Type	with hydraulic suspension and automatic adjustment
Drive engagement	electro-hydraulically operated
Front differential lock	electro-hydraulically operated
Front mudguards	swivelling
<b>HYDRAULIC LIFT</b>	
Rear lift	electronically controlled with Radar
Maximum lifting capacity	kg 10500
Pump delivery	l/min. 120 l/min. variable displacement pump with Load Sensing
Auxiliary hydraulic control valves	no. ways 8
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 5000 kg quick fit ballast, 1000/1400 kg
<b>DRIVING POSITION</b>	
Controls	multifunctional armrest with joystick storage and automation of repetitive actions
Cab	original sound-proofed (73 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	pneumatic suspension, revolving

POWERSHIFT GEARBOX 40 FWD + 40 REV - SPEED IN KM/H AT ENGINE SPEED OF 2350 RPM WITH 710/70 R 42 REAR TYRES										
	1 CR	2 CR	3 CR	4 CR	1	2	3	4	5	6
L	0,48	0,83	1,21	1,79	3,45	5,96	8,69	12,80	20,00	29,60
M	0,58	1,00	1,45	2,15	4,14	7,15	10,40	15,40	24,00	35,60
H	0,69	1,19	1,74	2,57	4,96	8,57	12,50	18,50	28,90	42,50
S	0,83	1,43	2,09	3,09	5,95	10,30	15,00	22,20	34,60	50,00*

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.

\*-FOR SOME COUNTRIES SPEED LIMITED TO 40 KM/H FOR LEGALE PURPOSE  
PLEASE NOTE: REVERSE SPEEDS ARE SLIGHTLY LOWER THAN THE CORRESPONDING FORWARD SPEEDS.

## DEALER CONTACT

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