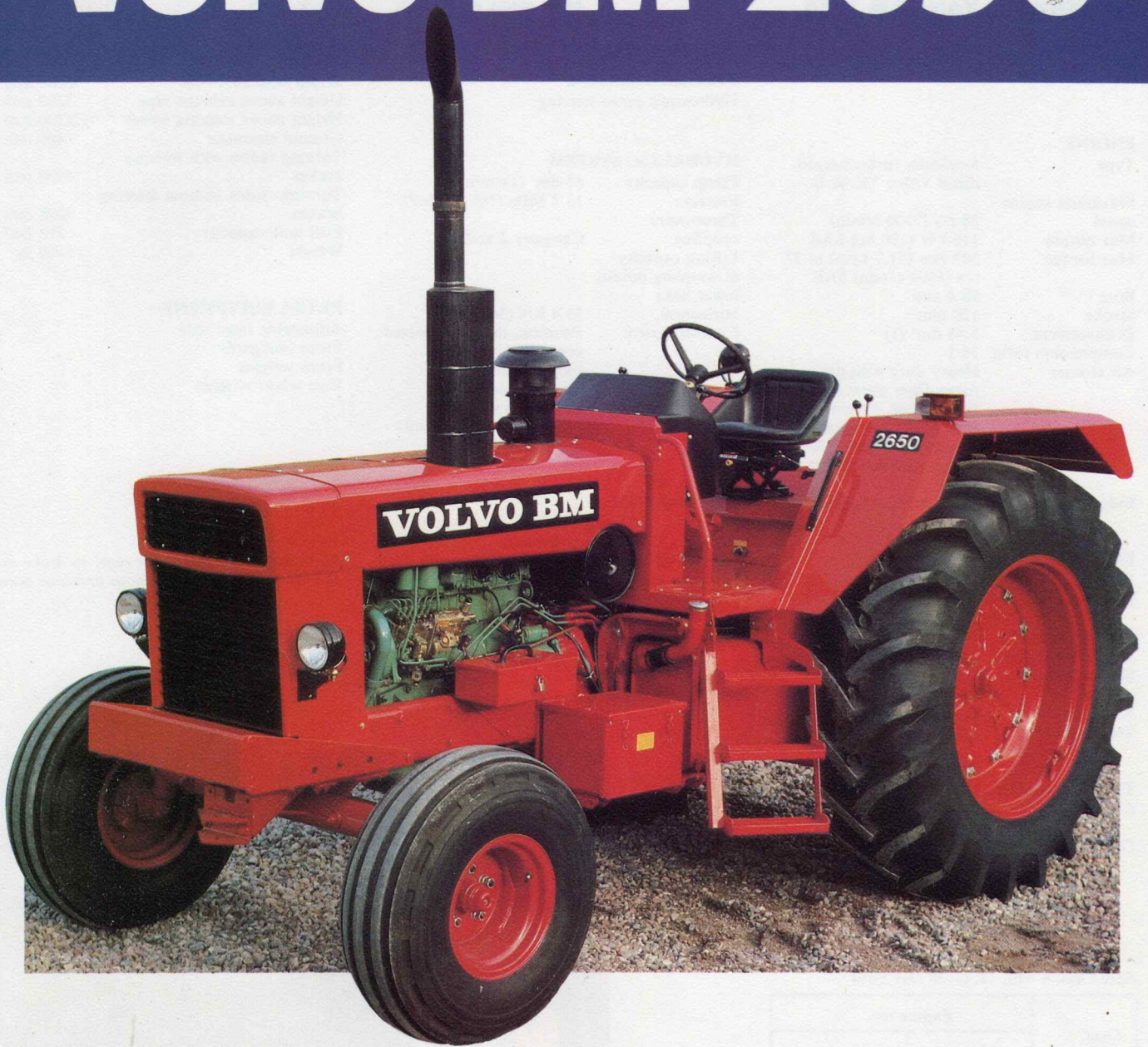


QUENTIN CURRIE

Volvo BM 2650



Powerful, technically well equipped and easy to drive — that is the Volvo BM 2650. A six-cylinder turbocharged Volvo diesel of 150 hp output, gives together with the large tyres and excellent weight distribution immense pulling power even in the heaviest of conditions. The hydraulic system is the Volvo BMs wellknown Terra Trol Mark II with ample lifting capacity and the independent and ground speed power take-off make the 2650 well prepared for jobs with heavy implements and directly driven machines. The hydrostatic steering and the vacuum-hydraulic controled disc brakes make the 2650 safe and easy to drive both on the road and off.

Power and technology. For professionals by professionals!

Specification Volvo BM 2650

ENGINE

Type	6-cylinder turbocharged diesel Volvo TD 60 B
Maximum engine speed	38 r/s (2300 r/min)
Max output	110 kW (150 hp) SAE
Max torque	507 Nm (51.7 kpm) at 27 r/s (1600 r/min) SAE
Bore	98.4 mm
Stroke	120 mm
Displacement	5.48 dm ³ (1)
Compression ratio	16:1
Air cleaner	Heavy duty with dry paper-filter element and safety filter. Precleaner with particle evacuation via exhaust system. Restriction indicator (warning lamp)
Exhaust system	Spark arrester/silencer

ELECTRICAL SYSTEM

Voltage	12 V
Batteries	Two 12 V parallel-connected
Battery capacity	140 Ah
Alternator output	1260 W
Starter motor output	3 kW (4 hp)
Starter interlock	Gear lever governed
Trailer socket	7-pin

TRANSMISSION

Clutch	Single dry plate, sintered facings
Gearbox	Manual with 8 forward and 2 reverse gears. Differential lock which locks the rear axle half-shafts together

Speed km/h with 18.4—38 rear tyres

Gear	Engine rev.	
	34 r/s (2050 r/min)	38 r/s (2300 r/min)
1	3.1	3.5
2	4.6	5.2
3	7.0	7.8
4	8.4	9.5
5	9.9	11.1
6	14.9	16.7
7	22.3	25.0
8	27.1	30.4*
R1	3.8	4.3
R2	12.2	13.7

* Transport driving unloaded 34.2 km/h.

POWER TAKE-OFF

Fully independent and ground speed 2-shaft PTO with manually controlled multi-disc clutch. The independent PTO produces 9/17 r/s (540/1000 r/min) at 34 r/s (2050 r/min) eng rev.

BRAKING SYSTEM

Service brakes	Dry disc brakes. Hydraulically operated, vacuum power assisted. Brake equalizing with inter-connected brake pedals.
Handbrake	Separate, lever operated brake acting on the foot brake disc.

STEERING SYSTEM

Hydrostatic servo steering.

HYDRAULIC SYSTEM

Pump capacity	47 dm ³ (1)/min
Pressure	15.7 MPa (160 kp/cm ²)
Three-point coupling	Category 2 and 3
Lifting capacity at coupling points, lower links	
horizontal	33.4 KN (3400 kp)
Control system	Position, draft and mixed control. Float position
External hydraulics	Two double-acting auxiliary valves with pressure oil outlets and quick couplers

TOWING UNIT

Front	Towing clevis
Rear	Swinging drawbar
Horizontal distance of connecting point from rear axle centreline 815/960 mm	

WHEELS AND TYRES

Front	11.00—16/8
Rear	18.4—38/8, 20.8—38/8 23.1—34/8

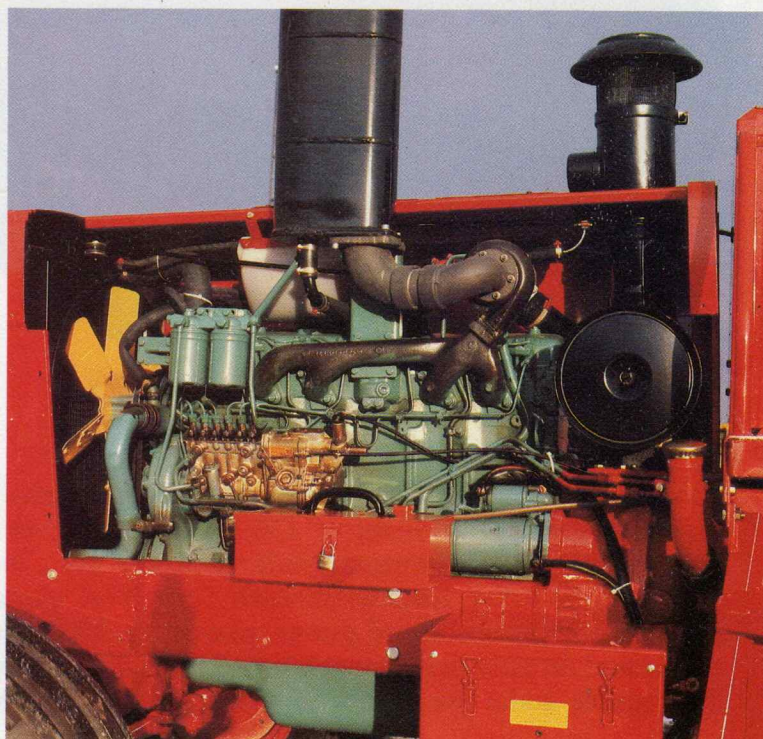
DIMENSIONS AND WEIGHT

Track, front	1700 mm
Track, rear	1800 mm
Wheelbase	2740 mm
Length	4280 mm
Width with 18.4—38	2280 mm
Height above exhaust pipe	3280 mm
Height above steering wheel	2200 mm
Ground clearance	440 mm
Turning radius with steering brakes	4600 mm
Turning radius without steering brakes	5000 mm
Fuel tank capacity	210 dm ³ (1)
Weight	5100 kg

EXTRA EQUIPMENT

Adjustable front axle
Front mudguards
Front weights
Rear wheel weights

Manufacturers reserve the right to make modifications and changes without previous notice.



VOLVO BM

SCANTRAC AB ESKILSTUNA SWEDEN

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