

Kockum 425 B



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PAYLOAD CAPACITY

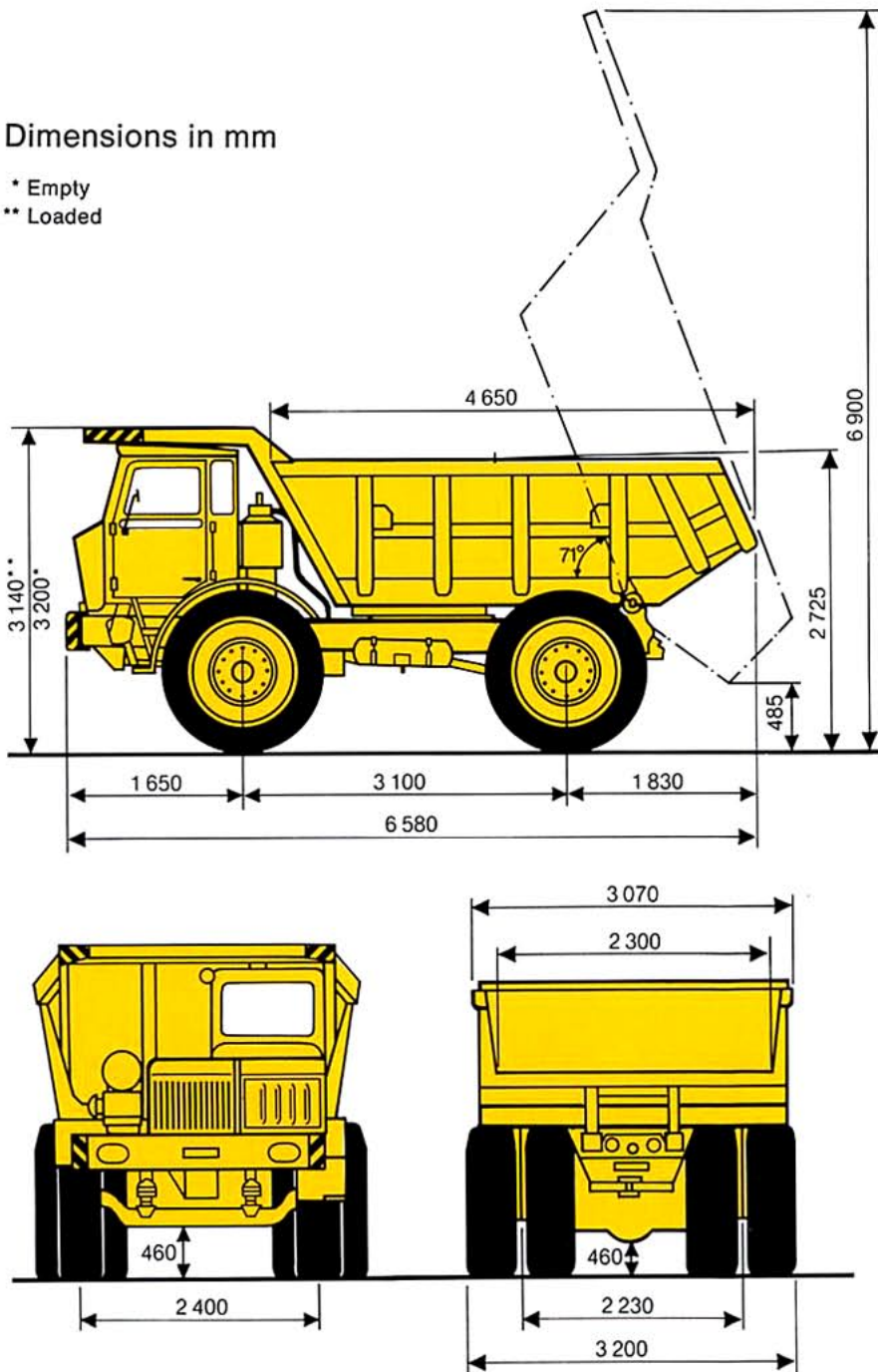
Payload	25 tons (22.500 kg)
Payload volume, struck (SAE)	11.0 m ³ 14.4 cu.yd.
heaped 2:1 (SAE)	15.0 m ³ 19.6 cu.yd.
heaped 1:1 (SAE)	18.0 m ³ 23.5 cu.yd.

WEIGHT DISTRIBUTION

	Front axle	Rear axle	Total
Empty kg	7.900	8.500	16.400
lb	17.400	18.700	36.100
Loaded kg	13.000	25.900	38.900
lb	28.600	57.000	85.600

Dimensions in mm

- * Empty
- ** Loaded



Engine

Type	Scania DS 11,6-cylinder, 4-stroke direct injection diesel engine with turbo-charger
Max. output	213 kW (290 hp) SAE at 2.100 rpm
Max. torque	1.180 Nm (120 kpm) SAE at 1.300 rpm
Bore	127 mm
Displacement	11.0 dm ³ (litres)
Compression ratio	15

Volumes dm³ (litres)

Engine, lubricating system ..	20
cooling system ..	55
Gear-box	50
Hydraulic system, hoist ..	70
steering ..	9
Rear axle	26
Fuel tank	250

Converter — gear-box

Type	Allison CLBT 754 Automatic gear-box Converter with "lock-up" Retarder
Torque conversion	Max. 2,46
Ratios	1 5,18 2 3,19 3 2,07 4 1,40 5 1,00 Reverse 9,45

Rear axle

Type	Fully floating drive shafts. Final reduction in differential and wheel hubs (planetary gears)
Reduction	Total 9,78 Option: 11,42

Front axle

Type	Forged I-section. Carried on leaf springs and reaction rods. Hydraulic shock absorbers and rubber bumpers
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Wheels

Rims	11.25—25
Tyres	16.00—25/28 PR

Brakes

Service brakes, 1	Dual-circuit compressed air actuated drum brakes
Service brakes, 2	Hydrodynamic brake (retarder) incorporated in gear-box. Max. braking power 295 kW (400 hp)
Parking brake	Pneumatically controlled with spring action directly on rear wheels

Steering

Type	Hydraulic power steering with mechanical return system
Pump	Separate, gear-type, direct-driven, mounted on engine
Steering wheel turns, lock to lock	6

Hoist

Pump	Gear-type, direct-driven from the gear-box
Hoisting cylinder	3-stage double-acting telescopic cylinder
Dumping angle	71°
Dumping time	11 seconds

Electrical system

Voltage	24 V
Batteries	Two 12 V batteries, total 150 Ah
Alternator	35 A
Starter	4,4 kW (6 hp)
Lights	Headlights with full and dipped beam (Halogen H4 75/70 W) Parking light Direction indicators Brake lights Tail lights Hazard flashers for reversing Reversing lights (2 halogen H3 70 W) Hazard flashers Cab light Instrument lights

Frame

Type	All-welded frame. U-section with reinforcing cross members
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Body

Type	All-welded construction with wrap- around ribs. Sandwich-type bottom
Sides and front	Wear plate of toughened 10 mm steel Hardness 360 Brinell. Yield strength 110 kp/mm ²
Bottom	Wear plate of toughened 12 mm steel. Hardness 360 Brinell. Yield strength 110 kp/mm ² Bottom plate 8 mm Bottom fill of 50 mm wood
Weight	5.500 kg

Cab

Type	All-steel cab, mounted on rubber bumpers Heat and sound insulated Heater and defroster equipment Adjustable driver's seat
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Other standard equipment

Instruments	Speedometer/Odometer Revolution counter Hour counter Oil pressure gauge, engine Coolant temperature gauge, engine Oil temperature gauge, gear-box Oil pressure gauge, gear-box Air pressure gauge
Control lamps	Hazard flashers Parking brake Full beam Direction indicators Battery charging Oil pressure, engine Dump body and hoisting hydraulics
Miscellaneous	Cold starting device on engine Windscreen wipers, compressed air Windscreen washer, electric Horn, electric Buzzer for air pressure Cigarette lighter Ash-tray Coat hook Box for manuals etc. Compressed air outlet External rear-view mirrors Rock ejectors, rear wheels Hand throttle Silencer

Optional equipment

Recording tachograph
Exhaust-heated body
Body rubber lining
Air conditioning
Elevated intake for air cleaner
Electrical engine heater
Increased body height for light materials
Spare wheel
Guard for fuel tank and air tanks
Electric "Telma"-brake
Emergency steering

Operating data

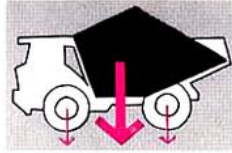
Operating speed	Max. 60 km/h (Option: 52 km/h)
Minimum turning radius ..	7.000 mm
Minimum swept radius....	7.600 mm

Dimensions and weights to tolerances of $\pm 3\%$.
Specifications subject to change without notice.

KOCKUMS DUMP TRUCKS — BASIC PRINCIPLES OF DESIGN

LOW TARE WEIGHT = LOWER OPERATING COSTS

- Less unusable tonnage to haul

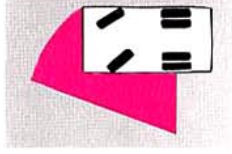


COMPACT DESIGN = WIDE RANGE OF APPLICATIONS

- Reduced overall width

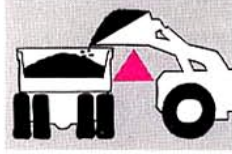


- Short swept radius

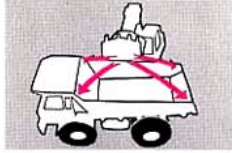


EFFICIENT PERFORMANCE = MORE WORK PER HOUR

- Low loading height



- One-point loading

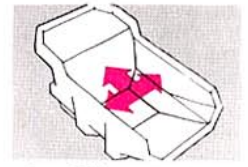


- Fast tipping,
- high tipping angle



ROBUST DUMP BODY DESIGN = LOW MAINTENANCE COSTS

- High quality steel even in front and sides



- Load-adapted design



- Rock body standard

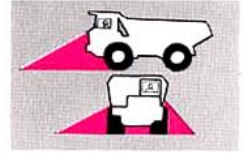


FUNCTIONAL CAB = EFFICIENT DRIVERS

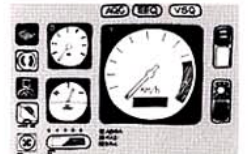
- Low noise-level



- Driver's seat far forward

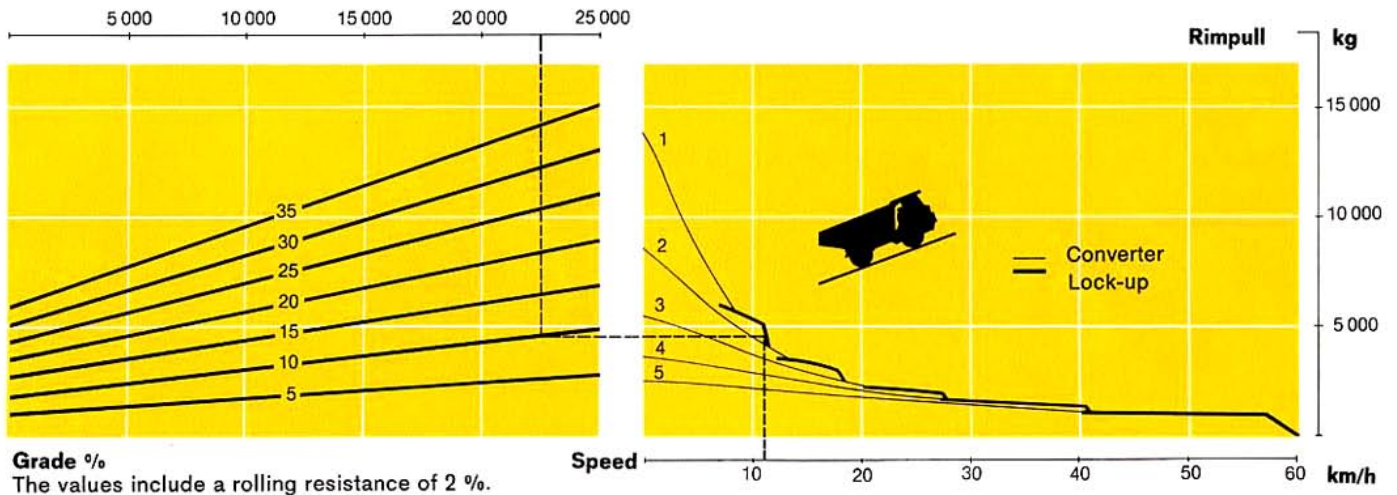


- Complete instrumentation



Gradeability — Speed — Rimpull

Payload Ex: Payload 22.500 kg, 10 % grade.



VOLVO BM
VOLVO BM AB ESKILSTUNA SWEDEN

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ENGELSKA