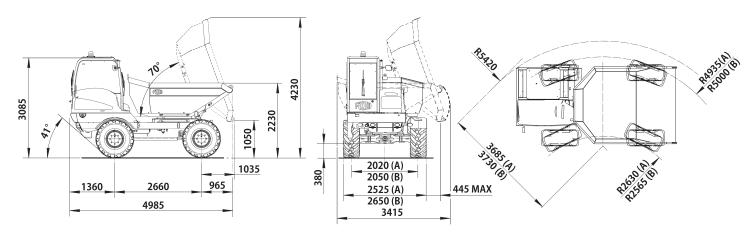


## **DUMPER SYSTEM**

# **D 120**sw



DIESEL ENGINE	No emission compliance	Stage IIIA / Tier 3	Tier 4 Final EPA	Stage V
Model:	PERKINS serie 1104	PERKINS serie 1104	KOHLER series KDI 3404 TCRSCR	PERKINS series 904J-E36TA
Type:	Turbo	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler
Total displacement :	4,400cc - 4 in linea	4,400cc - 4 in line	3,400cc - 4 in line	3,600cc - 4 in line
Injection:	Mechanical control with direct injection	Mechanical control with direct injection	Electronic control with Common Rail	Electronic control with Common Rail
Aftertreatment sys.:	-	-	EGR + DOC + SCR	EGR + DOC + DPF + SCR
Cooling :	air water, dry air filter	air water, dry air filter	air water, dry air filter	air water, dry air filter
Maximum power :	82.5 kW (112 hp)	83 kW (113 hp)	90 kW (122 hp)	90 kW (122 hp)
Adj. power. :	82 kW (2,400 rpm)	83 kW (2,200 rpm)	90 kW (2,200 rpm)	90 kW (2,400 rpm)
Maximum torque :	404 Nm (1,400 rpm)	418 Nm (1,400 rpm)	500 Nm (1,400 rpm)	500 Nm (1,500 rpm)
Alternator :	12V - 65 A	12V - 65 A	12V - 90 A	12V - 120 A

## **ELECTRIC SYSTEM**

Battery: ...... 12 V - 135 Ah (850 A) Led road light system, rear working lights.

#### **4X4 FOUR-WHEEL DRIVE**

Hydrostatic "automotive" transmission with variable displacement pump and variable displacement hydraulic motor with electro-hydraulic control, and reverse gear control on the stee-

Electro-hydraulically controlled mechanical gearbox for "working speed" and "road transfer" speed.

#### **SPEED**

4 forward gears 2 reverse gears 0 - 3.7 km/h  $0 - 3.7 \, \text{km/h}$ ΙΙ° 0 - 9.5 km/h 3.7 km/h III° 0 - 12.9 km/h 0 - 12.9 km/h 0 - 30.0 km/h 0 - 12.9 km/h

#### **AXLES AND WHEELS**

Front load-bearing, oscillating (± 6°) and steering with planetary reduction gears on the wheel hubs.

Rear load-bearing and steering with planetary reduction gears on the wheel hubs and directly flanged gearbox.

Tyres (A)	500/60	R22.5
Tyres (B)	600/50	R22.5

#### **BRAKES**

Internal oil-bath disc service and emergency brakes acting on the 4 wheels, activation with miniservo pump on independent dual circuit. Negative type parking brake, with internal oilbath discs on the rear axle and electro-hydraulically controlled release.

## STEERING

Assisted by means of load-sensing power steering with double displacement on 4 steering wheels; steering selection device for: 2 steering wheels, 4 steering wheels - crab

#### **EQUIPMENT HYDRAULIC SYSTEM**

Gear pump Max. flow rate: ......45 L/min. Maximum pressure: ......210 bar 2 - elements distributor. Aluminium heat exchanger for hydraulic oil

Pressurised closed-circuit intake with oil filter

replaceable from the outside.

#### **DUMP BODY**

Dump body with tilting by means of 2 doubleacting jacks. Orientation over 180° for trilateral unloading by means of "heavy-duty" ball fifth wheel, with hydraulic rotation and automatic locking by means of negative brake.

Struck capacity ...... 5,000 L SAE heaped capacity ...... 6,300 L

Closed cab with heating system, designed in accordance with ROPS and FOPS II, stand-

180° pivoting driving post. Anatomic seat with flexible suspension and height adjustment, seat belts.

Driving and equipment controls with ergonomic arrangement.

Sliding window on cabin door.

LCD TV display with camera for rear visibility.

#### **SERVICE REFILL CAPACITIES**

Fuel tank in cross-linked polyethylene	95 L
Total hydraulic system capacity:	120 L
Engine oil:	8 kg

Operating weight	6,300 kg
Max gross weight:	18,300 kg
load-carring capacity.	12 000 kg