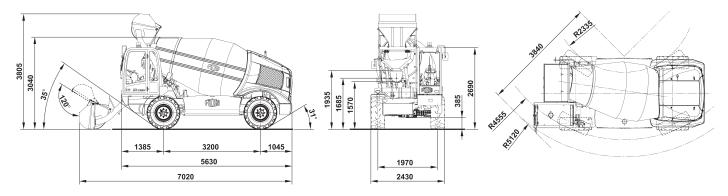


MIXER SYSTEM

DB X50



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 :	4400cc - 4 in linea	4400cc - 4 in line	3400cc - 4 in line	3600cc - 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 (2400 rpm)	83 kW (2200 rpm)	90 kW (2200 rpm)	90 kW (2400 rpm)	
Maximum torque :	404 Nm a 1400 rpm	418 Nm a 1400 rpm	500 Nm a 1400 rpm	500 Nm a 1500 rpm	
Alternator :	12V - 65 A	12V - 65 A	12V - 90 A	12V - 120 A	

ELECTRIC SYSTEM

Battery: 12 V - 132 Ah (600 A) Road light system, front working light.

4X4 FOUR-WHEEL DRIVE

Hydrostatic "automotive" transmission with variable displacement pump and variable displacement hydraulic motor with electrohydraulic control, and reverse gear control on the steering wheel.

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

SPEED

4 forward gears			2 reverse gears
	lst	0 - 3.0 Km/h	0 - 3.0 Km/h
	IInd	0 - 7.2 Km/h	0 - 3.0 Km/h
	IIIrd	0 - 10.0 Km/h	0 - 10.0 Km/h
	IVth	0 - 25.0 Km/h	0 - 10.0 Km/h
	Tract	ion / weight ratio	43%

AXLES AND WHEELS

Front and steering with planetary reduction gears on the wheel hubs and flanged gearbox. Rear, oscillating (± 6°) and steering with planetary reduction gears on the wheel hubs.

Tyres 18-19.5 18PR

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 oil-bath discs on the front 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 steering.

WATER SYSTEM

"Self-priming"	volumetric	water	pump	with
quick-suction.				
Max. capacity:		2	50 litres	/min
Maximum head	d:			4 baı
Two connected	d tanks posit	ioned o	pposite	each
other made of	polyethylene	with a t	otal cap	pacity
of			1,200 I	itres.
Water feeding	to the drum	controll	ed bv m	eans

ing on the cabin display.

Water pump activation from the driver's seat.

Suction selection from the ground with quick-coupling pipes.

of electromagnetic flow meter and fed litre read-

MIXING AND UNLOADING

Double-cone drum with double-spiral mixing screws and convex bottom.

Geometrical drum volume:	.7000 litres
Drum rotation speed:	19 rpm
Class S1 concrete produced as :	5.0 cu m
Drum rotation by means of a piston	pump with
variable flow rate and an orbital hydra	aulic motor
in closed circuit with infinitesimal ele-	ctrical con-
trol positioned in the cabin.	

Unloading chute with hydraulic tilting by means of a double-acting jack and control placed inside the cabin.

1 unloading chute extension provided as standard equipment.

EQUIPMENT HYDRAULIC SYSTEM

Gear pump	
Max. flow rate:	45 litres/min
Maximum pressure:	230 ba
3-element distributor serve	o-controlled with mul
ti-function joystick.	

Aluminium heat exchanger for hydraulic oil cooling

Pressurised closed-circuit intake with oil filter replaceable from the outside.

LOADER

Loading	device	with	grab	bucket	and	lifting
arms con	itrolled I	by do	uble-a	cting hy	draul	ic cyl-
inders. E	lectrohy	draul	ically (operated	d trap	door.
Volumetr	ic capad	city:			680) litres
Number of	of loade	rfuls i	oer loa	ad:	. arou	ind 10

CAB

Closed cab with heating system, designed in accordance with ROPS & FOPS Level I standards. Tilting front window.

Anatomic seat with flexible suspension and height adjustment, seat belts.

LCD TV display with camera for rear visibility.

SERVICE REFILL CAPACITIES

Fuel tank:	85 litres
Total hydraulic system capacity:	125 litres
Engine oil:	7.96 kg

WEIGHTS

Operating weight	. 6800	kg
Max gross weight:	19100	kg
load-carring capacity.	12300	ka