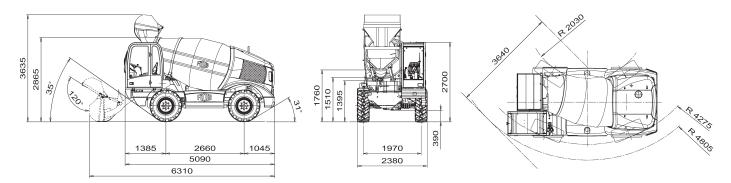


MIXER SYSTEM

DB X35



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

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 forv	vard 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	489

AXLES AND WHEELS

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

Tyres:

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 hea	d:			4 bar
Two connected	d tanks posit	ioned o	pposite	each
other made of	polyethylene	with a	total cap	acity
of			870 I	tres.
Water feeding	to the drum	controll	ed by m	eans
of electromag	netic flow i	meter a	and fed	litre
reading on the	cabin displa	ıy.		
Water pump a	activation fro	m the	driver's	seat.
Suction select	ion from the	ground	d with c	uick-
coupling pipes				

MIXING AND UNLOADING

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

Geometrical drum volume:	.5000 litres
Drum rotation speed:	20 rpm
Class S1 concrete produced as:	3.5 cu m
Drum rotation by means of a piston	pump with
variable flow rate and an orbital hydr	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 baı
3-element distributor se	rvo-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 controlled by double-acting hydraulic cyl-
inders. Electrohydraulically operated trap door.
Volumetric capacity:680 litres
Number of loaderfuls per load: around 9

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, optional/standard depending on engine type.

SERVICE REFILL CAPACITIES

Fuel tank:8	5 litre	s
Total hydraulic system capacity: 12	0 litre	s
Engine oil:	'.96 k	g

WEIGHTS

Operating weight	6300 kg
Max gross weight:	14800 kg
load-carring capacity:	8700 ka