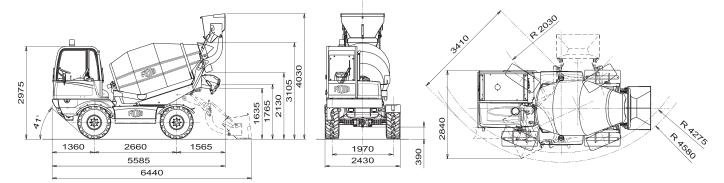


MIXER SYSTEM

DB 460



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 electro-hydraulic 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
Ist 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
Traction / weight ratio	48%

AXLES AND WHEELS

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

Tyres 18 -19.5 16PR

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 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 steering.

WATER SYSTEM

pg			P =P	
quick-suction.				
Max. capacity:		2	50 litres	/min.
Maximum head	l:		'	4 bar
Two connected	l tanks posit	ioned o	pposite	each
other made of	oolyethylene	with a t	otal cap	acity
of			870 l	itres.

"Self-priming" volumetric water pump

Water feeding to the drum controlled by means of electromagnetic flow meter and fed litre reading the cabin display.

Water pump activation from the driver's seat and from the ground panel. Suction selection from the ground with quick-coupling pipes.

MIXING AND UNLOADING

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

Geometrical drum volume:5050 litres
Drum rotation speed: 24 rpm.
Class S1 concrete produced as:4.0 cu m
Counterframe mounted on "heavy-duty" ball
fifth wheel, with 245° hydraulic rotation and au-
tomatic locking by means of negative brake.

Drum rotation by means of a piston pump with variable flow rate and an orbital hydraulic motor in closed circuit with infinitesimal electrical control positioned in the cabin and at the rear of the machine.

Drum raising up to the horizontal position by means of 2 double-acting jacks.

Unloading chute with hydraulic tilting by means of a double-acting jack and 180° rotation, independent from the mixing drum inclination. Removable chute, for direct unloading from hopper

2 unloading chute extensions provided as standard equipment.

EQUIPMENT HYDRAULIC SYSTEM

Gear pump	
Max. flow rate:	45 litres/min
Maximum pressure:	180 baı
5-element distributor	servo-controlled with mul
ti-function invetick	

Chute lever distributor.

Aluminium heat exchanger for hydraulic oil cooling.

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

LOADER

Loading arms with self-compensated kinematic mechanism, double-acting loader lifting and return cylinders, electro-hydraulically controlled hatch with standard Tip-Off function.

Volumetric capacity:560 litres Number of loaderfuls per load: around 9 /10

CAB

Closed cabin with heating system, designed in accordance with ROPS & FOPS 1st Level standards.

Sliding window on cabin door.

180° pivoting driving post. 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 in polyethylene,99	5 litres
Total hydraulic system capacity: 125	5 litres
Engine oil:7	.96 kg

WEIGHTS

Operating weight	7300	kg
	16500	_
load-carring capacity:	9200	kg