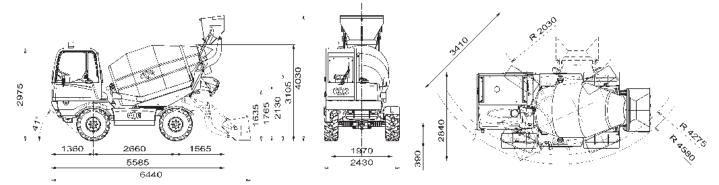


# **MIXER SYSTEM**

# **DB 460**



DIESEL ENGINE	No emission compliance	Stage IIIA / Tier 3	Stage IV / Tier 4 Final EPA
Model:	PERKINS series 1,104	PERKINS series 1,104	KOHLER series KDI 3,404 TCRSCR
Type :	Turbo	Turbo	Turbo Common Rail
Total displacement :	4,400cc - 4 in line	4,400cc - 4 in line	3,400cc - 4 in line + DOC + SCR
Injection:	Mechanical control with direct injection	Mechanical control with direct injection	Mechanical control with direct injection
Cooling :	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)
Adj. power :	82 kW (2,400 rpm)	83 kW (2,200 rpm)	90 kW (2,200 rpm)
Maximum torque :	404 Nm a 1,400 rpm	418 Nm a 1,400 rpm	500 Nm a 1,400 rpm
Alternator :	12V - 65 A	12V - 65 A	12V - 90 A

# **ELECTRIC SYSTEM**

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

# **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

0						
4 forv	vard g	ears	2 re	vers	e 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	0.0 Km/h	0 - 1	10.0	Km/h	
IVth	0 - 25	5.0 Km/h	0 - 1	10.0	Km/h	
Tract	ion / v	veight 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.

# 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

Sell-prilling	VOIGITIELLIC	water	pullip	VVILII
quick-suction.				
Max. capacity:		2	50 litres	/min.
Maximum head	d:			4 bar

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: 5,050 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
automatic 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 litre	es/min
Maximum pressure	e:		1	80 baı
5-element distrib	utor s	ervo-	controlled	d with
multi-function joys	tick			

Chute lever distributor.

Aluminium heat exchanger for hydraulic oil

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

# CABIN

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.

# SERVICE REFILL CAPACITIES

Fuel tank in polyethylene,	95 litres
Total hydraulic system capacity:	125 litres
Engine oil:	7.96 kg

# **WEIGHTS**

Operating weight	7,300 kg
	16,500 kg
load-carring capacity:	9,200 kg