DB 460













All pictures shown are for illustrative purposes only and may contain optional equipment.

MIXER SYSTEM

A unique product in the market of self-loading concrete mixers, this extremely compact, agile and price-worth machine provides a 4.0 m³ concrete yield and a daily productivity amounting to 90/100 m³. The machines in the DB 460 range may be used as an alternative to small and medium-sized concrete-mixing systems, as they provide great handling (enhanced by the reversible driver's seat and the drum rotation system for 360° download), flexibility and autonomy. Being equipped with an innovative computerised production system, the DB 460 machines are capable of producing top quality certified concrete. Consistency, repeatability and quality of the concrete batch are the unprecedented advantages offered by the CBV technology, an exclusive feature of FIORI GROUP's self-loading mixers.

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MIXER SYSTEM

DB 460





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DIESEL ENGINE	No emission compliance	Stage IIIA / Tier 3	Stage IIIB / Tier 4 Interim
Model :	PERKINS series 1,104 turbo	PERKINS series 1,104 turbo	PERKINS series 854 E turbo
Total displacement, no Cylinders:	4,400cc - 4 in line	4,400cc - 4 in line	3,400cc - 4 in line + DPF
Injection :	mechanical control with direct injection	mechanical control with direct injection	Electronic control with direct injection
Cooling :	air water cooling, dry	air water filter, dry	air water filter, dry air filter
Maximum power:	82.5 kW (112 Hp)	83 kW (113 Hp)	83 kW (113 Hp)
Adj. power :	82 kW (2,400 rpm)	83 kW (2,200 rpm)	83 kW (2,200 rpm)
Maximum torque:	404 Nm a 1,400 rpm	418 Nm a 1,400 rpm	450 Nm a 1,400 rpm

ELECTRIC SYSTEM

Alternator:12 V - 55 ABattery: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

4 forward gears		2 reverse gears	
lst	0 - 3.0 Km/h	0 - 3.0 Km/h	
llnd	0 - 7.2 Km/h	0 - 3.0 Km/h	
Illrd	0 - 10.0 Km/h	0 - 10.0 Km/h	
IVth	0 - 25.0 Km/h	0 - 10.0 Km/h	
Traction / weight ratio			

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 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 steering.

WATER SYSTEM

"Self-priming" volumetric water pump with quick-suction.

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.

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 p	ressure:		0 bar
5-element	distributor	servo-controlled	with
multi-function	on joystick.		
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.

CABIN

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

Sliding side window

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
Max gross weight:	16,500 kg
load-carring capacity:	
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