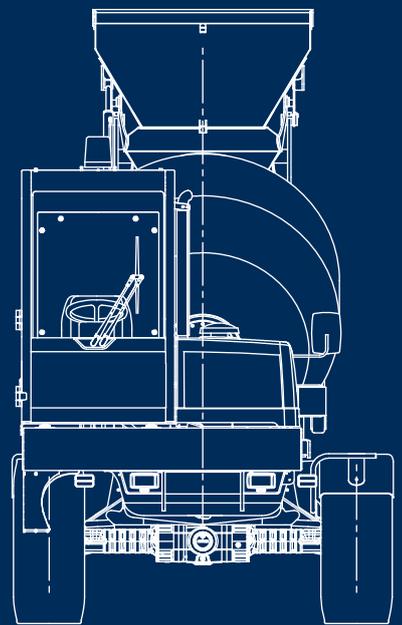




DB 460 CBV

Fiori **CBV**'s series (**Concrete Batching Vehicle**) allows to manufacture certifiable concrete in any location, in every job site situation. These four-wheel drive machines **are true batching plants equipped with highly-advanced controls and mixing systems able to certify the quality of concrete produced.**

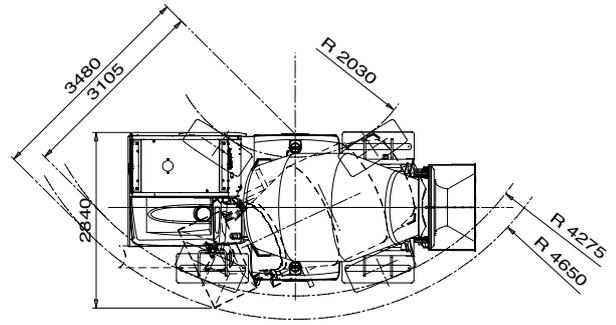
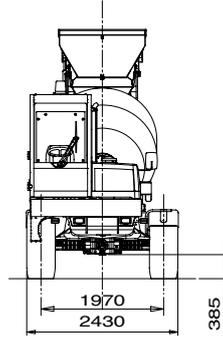
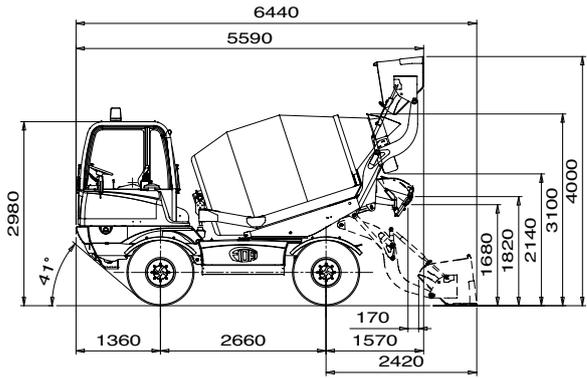
Easy-to-maneuver, technologically advanced, and carefully designed down to the last detail, the **CBV** series presents the construction industry with brand new opportunities.



FIORI®

BUILDING A BETTER WORLD

DB 460 CBV



DIESEL ENGINE

Manufacturer and model: PERKINS diesel-turbo 1104D-44TA

Max. power: 86,5 kW (118 hp)

Average power: 83 kW (113 hp) @ 2,200 rpm

Max torque: 418 Nm @ 1,400 rpm

No. cylinders: 4 – Displacement: 4,400 cc

Dry air cartridge filter

Water-cooled – Direct fuel injection

Emissions: 2004/26/CE STAGE III A and EPA tier 3.

ELECTRICAL SYSTEM

Alternator: 12V - 55 A

Battery: 12V - 132 AH (600 A)

4WD TRANSMISSION

Hydrostatic, high-pressure automotive with 2 automatic speeds, mechanical gearbox with 2 gear ratios and electro-hydraulic control.

Speeds: 4 forward 4 reverse

1st 4.6 km/h 4.6 km/h

2nd 10.6 km/h 4.6 km/h

3rd 13.7 km/h 13.7 km/h

4th 30.0 km/h 13.7 km/h

Power/weight ratio: 45%

AXLES

Front: steering and oscillating ($\pm 6^\circ$) drive axle with planetary gear reducers at wheel hubs.

Rear: steering drive axle with planetary gear reducers at wheel hubs and gearbox housed with differential.

BRAKES

Service and emergency brake: disc brakes in oil bath housed in wheel hubs, for all 4 wheels, fed by pump with independent twin circuit.

Parking brake: internal negative disc brakes in oil bath with electro-hydraulic control.

TIRES

Front and rear: 18 - 19,5

STEERING

Load-sensing power steering; 4-wheel steering; in-cab device to set steering mode: 2-wheel steering, 4-wheel steering, or crab steering

Minimum inner wheel turning radius: 2,000 mm

Minimum outer wheel turning radius: 4,275 mm

CHASSIS

Tubular chassis made of high-durability ST52 steel

Max. hopper off-loading height: 2,140 mm

Max. chute off-loading height: 1,820 mm

Min. chute off-loading height: 1,680 mm

CBV

The CBV system includes the new **FIORI BATCH CONTROL**, which consists of two units connected through a CAN-bus serial communication link, complete with a **printer** and **USB port** to allow for the transfer of data and printing of reports. It memorizes information on the various components (cement, aggregates, water, additives, etc.), and can formulate up to **20 storable recipes** based on 32 different components.

There is a **drum-rotation sensor** to calculate the number of rotations and end of cycle.

Integrated slump indicator, which can be printed out in the cycle report. **Acoustic alarm** signaling an error in the loading process or inclination settings. Activation of 150-bar **high-pressure washer** mounted directly on the machine to facilitate cleaning, complete with filter and feed pipe from lateral water tanks.

System for additives equipped with **two tanks** for a total capacity of 19 liters.



CAB

ROPS - FOPS protection with **Cab Comfort** system, optimal ergonomic design with easy-to-use controls; driving post swivels **180°** with quick turnabout and automatic reset, interior trimmed with **ABS, maximum visibility** on all four sides, fully-enclosed cab with heating, **noise reduction**, and fully-opening butterfly doors.

Equipped with lights and directional signals for on-road driving.

HYDRAULIC SYSTEM

Double gear pump; 5-way valve with servomechanism; aluminum heat exchanger.

Fast Loading system, kinematic load-sensing system driven by 5 hydraulic pistons with servomechanism and integrated feed.

Max. flow rate: 50 liters/min

Max. pressure: 180 bars

Pressurized hydraulic system.

WATER SYSTEM

Self-priming water pump

Max. flow rate: 300 liters/min

Max. head: 4.0 bars

Tank capacity: 900 liters (made of super-linear polyethylene to prevent incrustation).

F6000 Mix Control system, which allows for the introduction of water into the drum, as well as mixing and discharge functions to be **regulated and programmed**, even from **outside of the vehicle**.

Activation of water pump from both driver's seat and outside. Regulation of suction from outside with quick-coupling pipes.

DRUM AND MIXING

Drum rotated by hydrostatic transmission and variable-flow pump with electro-hydraulic controls located both inside the cab and on the rear of the vehicle.

Precision control. Drum slewing **240°** using Heavy-Duty bearing and reducer with negative brake.

Mixing system **approved by the Department of Applied Chemistry and Materials Science of the University of Bologna, for the production of RCK concrete**, based on specific structure of the drum, effective loading system, and proper rotation speed.

Double Reverse patented system, which combines reverse driving function with **360° off-loading capabilities**, also allowing full control of the concrete mix **directly from the cab**.

- Rotation speed: 0-21 rpm
- Drum volume: 5,050 liters
- Max. concrete yield: 4,000 liters
- 3 chute extensions
- Movable chute support

LOADING BUCKET

Bucket capacity: 610 liters (includes a retaining lid with hydraulic closure).

Number of buckets per load: 9 - 10

Up to 4 cycles/hour

REFILL CAPACITIES

Fuel tank (made of cross-linked polyethylene – PEX): 95 liters

Hydraulic oil tank: 100 liters

WEIGHTS

Dry operating weight: 7,300 kg

Max. gross weight limit: 16,500 kg

Standard operating weight: 9,500 kg