

# DUMPER SYSTEM



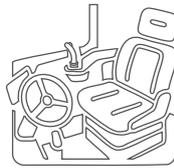
# DX 30

The new DX 30 Dumper is the compact and versatile solution for material transport on modern job sites.

Designed to ensure agility, high performance, and maximum safety, it combines compact dimensions with a 3,000 kg payload capacity, making it ideal for operation in confined areas or on challenging terrain.

Equipped with front steering and an articulated joint, the DX 30 guarantees excellent manoeuvrability even in the most demanding working conditions.

This model is available both in a fully electric version and with hydrostatic transmission, offering flexible solutions for every job site requirement, with a strong focus on sustainability and operator comfort.



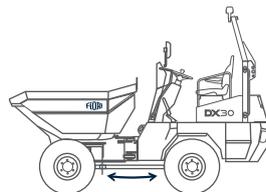
## SAFE START, EASY CONTROLS

The seatbelt monitoring system prevents the machine from starting if the operator is not wearing the seatbelt, signaling the anomaly with a visual warning. Supporting this, the camera display, the digital dashboard, the selective encoder, and the control lever ensure smooth and technologically advanced vehicle operation.



## 180° SWIVEL TIPPING

Equipped with a 180° swivel dump body powered by a piston hydraulic system, it delivers precision, speed, and safety in operations. This feature, combined with the vehicle's excellent manoeuvrability, ensures unmatched productivity, allowing materials to be discharged anywhere on the job site with maximum efficiency.



## ARTICULATED STEERING

The DX 30 is an articulated dumper with central steering, ensuring excellent manoeuvrability. The oscillating joint also provides stability and consistent traction on rough terrain, allowing tight turns and precise control even at full load.

## ENGINE BONNET AT HAND:

### QUICK AND EFFORTLESS MAINTENANCE



The powertrain is positioned to provide direct and easy access for maintenance operations. The dual hood is located at the rear of the dumper, allowing work to be carried out quickly, freely, and with full ergonomic compliance.

The driver's seat can be easily lifted, granting immediate access to components not reachable through the front hood. This solution allows comfortable intervention on otherwise hard-to-inspect parts, improving service efficiency and reducing machine downtime.

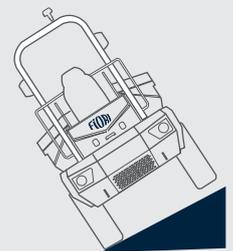
On the DX 30 ICE model, lifting the seat allows routine maintenance operations such as air filter replacement, engine oil topping, and oil filter change.

On the DX 30 BEV model, seat access provides reach to the PDU, ECU, and various relays and fuses, enabling fast and targeted interventions on the main electrical components.

Both hoods can be opened simultaneously, giving full access to the engine compartment.

## TILT UNDER CONTROL

The electronic tilt monitoring system detects when the machine is in an unstable or unsafe position, promptly alerting the operator through visual signals and alarms. It also indicates the speed limit when the dump body is excessively tilted. The inclinometer communicates in real time with the control unit, analyzing ground inclination and ensuring unloading operations are always carried out under maximum safety conditions.



## HILL HOLD AND AUTOMATIC BRAKE

The integrated hill-hold function prevents the machine from moving when the accelerator is released, ensuring maximum safety even on steep slopes. Additionally, the spring-applied parking brake engages automatically when the engine stops, eliminating the need for manual activation. For convenience, the lever switch also allows manual and electrohydraulic control of the brake.

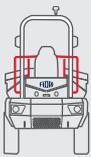
## INTEGRATED CAMERA WITH DISPLAY:

### SAFETY AND FULL CONTROL

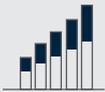
The DX 30 comes standard with a camera mounted under the dump body, transmitting images directly to the color display with IP 69K protection. The 7-inch TFT LCD display ensures good readability under all lighting conditions. This system provides a clear view of the vehicle's front area, normally not visible from the operator's seat, especially when the dump body is loaded. Real-time viewing allows the operator to promptly detect any obstacles in blind spots, enhancing safety during operations. As an option, a second rear camera can be added to provide full visibility even when reversing. This is an essential tool in confined or crowded work environments, facilitating vehicle control, preventing collisions, and protecting both people and equipment.



The foldable ROPS, designed to facilitate transport of the DX 30, protects the operator in the event of a rollover, ensuring safety and stability during operations.



The red grab handles, designed to assist with climbing on and off the machine, also serve as armrests during driving and help convey a sense of security. Those positioned on the railing, on the steering column side, protect the operator in the central part of the machine.



Increased Productivity: operating safely and precisely even in confined spaces eliminates time loss and reduces fuel consumption during operations.

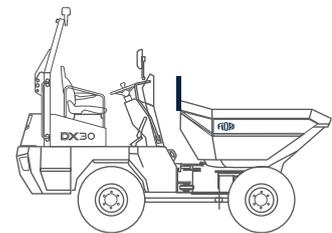


## TOW-HOOK: 13-POLE ELECTRICAL CONNECTION

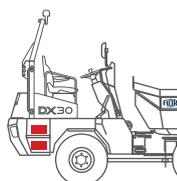
The DX 30 dumper can be equipped with a strong and reliable tow hook, designed to facilitate the transport of additional equipment and materials on the job site. The adjustable hook adapts to different types of trailers, ensuring maximum versatility. The 13-pole electrical connection guarantees proper operation of lights, signals, and other electrical devices on trailers and towed equipment.

## PROTECTIVE GRILLE

The DX 30 can be equipped with a foldable protective grille mounted on the dump body, providing additional operator protection, especially against debris that may come loose from the load during transport.



## SAFE REAR ACCESS



Our dumper is equipped with highly visible red steps, ensuring quick and safe access. Climbing is possible from both rear sides, making it easy to get on and off even when the machine is steering. Avoiding climbing from the center of the machine drastically reduces the risk of operator accidents.

## TOWARD A SUSTAINABLE FUTURE



## HYDROSTATIC TRASMISSION

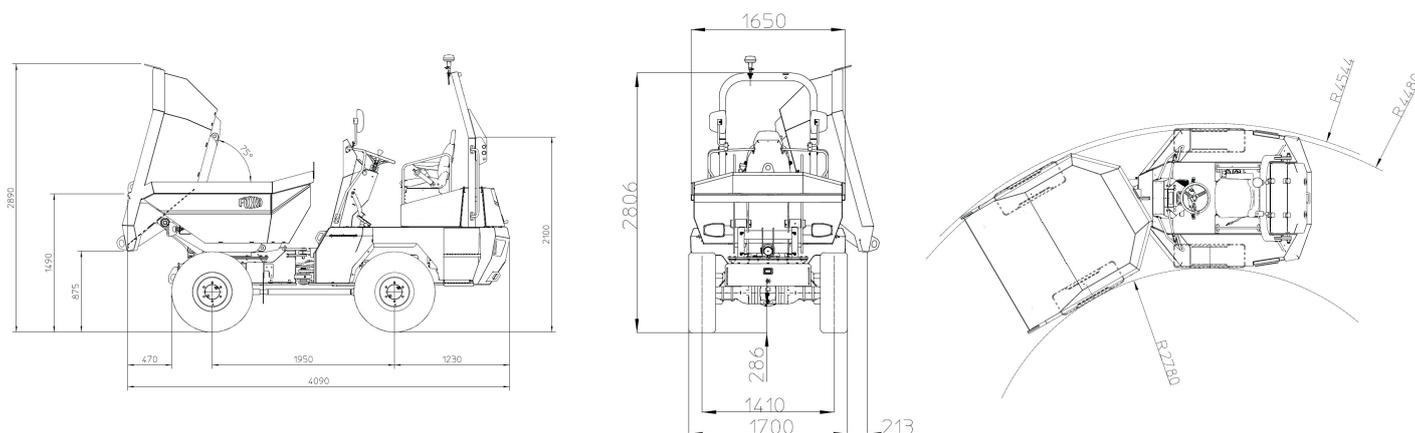
The DX 30 hydrostatic dumper stands for strength and reliability, perfect for those seeking power and autonomy without worrying about electric recharges. It is equipped with an 18 kW diesel engine paired with full hydrostatic drive, delivering powerful and safe performance, ideal for handling any type of job site.

ELECTRIC TRASMISSION 

Quiet, powerful, and zero-emission, the DX 30 BEV is the ideal solution for those seeking efficiency and sustainability. The standard 23.6 kWh (nominal) battery provides 8 working hours of work under standard conditions, while the 3 kW onboard charger allows fast recharging via the site's 220 V power supply, ensuring continuous productivity.

For particularly demanding applications, the DX 30 BEV offers the option of an additional battery, increasing total capacity to 33.9 kWh and extending operating time to 12 working hours.

Maintenance is minimized thanks to the absence of a hydrostatic transmission, while regenerative braking not only recovers energy to maximize efficiency but also reduces wear on the active braking system. A perfect vehicle for urban construction and zero-emission areas.



VERSION		DX 30		DX 30 BEV
CHASSIS		Articulated		
GUIDE		Front		
OPERATOR PROTECTION		ROPS		
PAYLOAD	kg	3.000		
EMPTY WEIGHT	kg	2.670		2.900
FULL LOAD WEIGHT	kg	5.780		5.900
CAPACITY STRUCK	l	1.390		
CAPACITY HEAPED (SAE)	l	1.760		
MAX. SPEED (SLOW)	km/h	7		-
MAX. SPEED (FAST)	km/h	20		15
TRACTION		Integrale 4x4		
TRANSMISSION		Hydrostatic		Electric
SERVICE BRAKES		With discs in oil bath		
PARKING BRAKES		Negative		
HYDRAULIC SYSTEM PRESSURE	bar	180,0		
HYDRAULIC OIL TANK CAPACITY	l	34		
ENGINE (ICE)		Perkins 403J-11		
EMISSIONS		STAGE V	Tier 4 Final EPA	-
MAX. POWER	kW	18.9 @ 2.800 rpm	17.8 @ 2.800 rpm	-
DISPLACEMENT/CYLINDERS		1.131cc - 3 in linea		
POST-TREATMENT		-		
FUEL TANK CAPACITY	l	34		-
MOTOR (EV) CONT./PEAK	kW	-		14/31
VOLTAGE	V	-		51,2
BATTERY CAPACITY (NOMINAL) STD/OPT	kWh	-		23,6/33,9
ON BOARD CHARGER	kW	-		3,0
STANDARD TIRE		11.5/80-15.3		
OPTIONAL TIRE		400/60-15.5		

## DRIVER'S SEAT/CABIN

- Front access on right/left sides
- Orange seat belt with fastened seat belt sensor
- Seat with presence sensor
- Integral joystick for body drive selection
- Digital screen (IP69)
- Rotary encoder for selecting display functions
- Front-facing camera
- Reversing camera
- IP69 K TFT 7 inch LCD camera monitor

## VEHICLE/SECURITIES

- 180° rotating body
- RED color steps
- Rear-view mirrors (n. 2)
- Digital inclinometer
- Reversing horn
- Dump body protection grill
- Orange rotating light
- Green rotating light
- Splash guard under the chassis
- Tow hook with 13 pin socket
- Negative parking brake
- Hill Hold function