# **DUMPER SYSTEM**









# **DF 70**

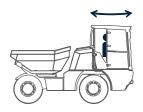


The new Dumper DF 70 represents the evolution of transport on construction sites, combining high performance, cutting-edge technology and attention to the environment. With a payload of 7,000 kg, it is the ideal choice for intensive use and for those who need to operate with great efficiency even on long distances or in demanding operating conditions.

Thanks to the closed cabin with large glass surfaces, the DF 70 offers superior protection and unparalleled operating comfort.

Available with hydrostatic, full-electric or hybrid transmission, it offers the most complete range on the market to meet every operational need and face the sustainability challenges that the present imposes on us.





### DRIVING REVERSIBILITY

The rotating driver's seat in the cab ensures optimal visibility at every stage, both during work and during transport. This reduces the risk of accidents thanks to excellent visibility, even with a loaded body. The DF 70 is designed to put operator safety first.





#### MODERN AND ERGONOMIC CABIN

Heating and air conditioning ensure an ideal working environment in any season, while soundproofing and Bluetooth radio provide a pleasant driving experience. The color display, intuitive joystick and rotary selector ensure smooth and technologically advanced operation. The optional air suspension seat takes operator comfort to the next level.





### 180° SWIVEL TIPPING

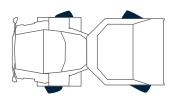
The DF 70 dumper allows 180° unloading thanks to a hydro-mechanical system with gear ring, ensuring precision, speed and safety. This function, together with the exceptional maneuverability of the 4-wheel steering vehicle, guarantees unparalleled work capacity, unloading materials anywhere on the construction site with ease and efficiency.

**DF 70** 



#### **DUMPER 4 WS:**

# POWER AND MANEUVERABILITY ON ALL TERRAIN



The DF 70 dumper is equipped with four-wheel steering, which guarantees an unrivaled turning radius compared to articulated vehicles. The fixed frame also ensures greater stability and safety for the operator. Thanks to the three steering modes, the DF 70 offers maximum maneuverability even on the most complex construction sites.

# FOUR WHEEL STEERING (4WS)

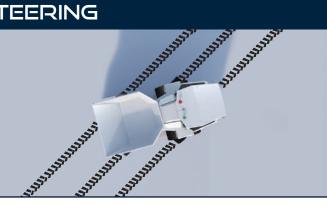
- Minimum turning radius thanks to double steering on the front and rear axle
- Maximum maneuverability in tight spaces
- Extreme efficiency thanks to the reduction of on-site maneuvers





# **CRAB STEERING**

- Perfect for unloading in parallel with curbs, pavements and walls
- Reduction of maneuvers on crowded construction sites
- Perfect for approaching obstacles in total safety



### **ENGINE BONNET AT HAND:**

# QUICK AND EFFORTLESS MAINTENANCE

The powertrain is positioned to ensure easy and direct access to maintenance, allowing you to operate comfortably and efficiently during all service activities. Its location between the cab and the body also keeps the operator out of the range of action of the excavator during loading, increasing safety and reducing the risk of collisions with the cab.



**DF 70** 





ROPS / FOPS cabin II level: the operator is always safe in the event of the machine overturning or any objects that could fall from above.



Increased safety: always have a perfect view of the work area ahead: during transport, loading or unloading.



Greater productivity: take action safely and precisely too in confined spaces: waste of time and fuel consumption during manoeuvres are eliminated.



# CUSTOMIZED OPENING: MAXIMUM COMFORT









Our CABIN dumpers are designed to offer you maximum comfort in all conditions. Thanks to the doors equipped with separate upper windows, lockable on both sides of the vehicle, you can partially open the cab in total freedom. An intelligent solution to best manage ventilation, visibility and safety.



#### FRONT AND SAFE ACCESS







Our dumper is equipped with clearly visible red steps for quick and safe access.

Thanks to the entrance available on both sides and frontally, getting in and out is simple in every situation.

》 70



# TOWARDS A SUSTAINABLE FUTURE











SAVINGS

# HYDROSTATIC TRANSMISSION

The DF 70 hydrostatic dumper is reliable and robust, ideal for those looking for power and autonomy without having to worry too much about recharging. It is equipped with a 55 kW diesel engine equipped with DPF (particulate filter), which guarantees low emissions without the use of urea (AdBlue).

# HYBRID TRANSMISSION (REV)



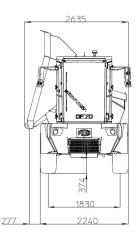
The DF 70 REV dumper is equipped with a full-electric transmission which guarantees efficiency, silence and reduced maintenance costs. This is accompanied by a compact internal combustion engine that can operate as a range-extender or as a booster, offering high performance and unprecedented versatility of use. The internal combustion engine, always used at optimal speed, does not require combustion post-treatment systems, contributing to superior efficiency compared to traditional dumpers. The operator can also choose to work in fully electric mode, ideal for urban contexts or indoor construction sites. One of a kind, the DF 70 REV combines operational flexibility, low consumption and an optimized TCO (high profitability), presenting itself as the perfect solution in the energy transition phase of construction sites.

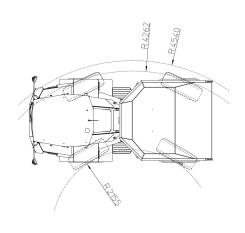
# ELECTRIC TRANSMISSION (BEV)



Silent, powerful and zero emissions, it is the perfect solution for those looking for efficiency and sustainability. The 70.8 kWh (nominal) battery offers an autonomy of approx. 8 hours of work (in standard conditions). The 9 kW on-board charger allows you to recharge the vehicle by connecting to the construction site's 380 V electrical network in a short time, ensuring continuous productivity.

Maintenance reduced to a minimum thanks to the elimination of the hydrostatic transmission. Regenerative braking, in addition to recovering energy and maximizing efficiency, preserves wear on the active braking system. Perfect for urban construction and low-emission zones.





VERSION		DF	70	DF 70 REV	DF 70 BEV
CHASSIS		Rigid			
GUIDE		Reversible			
OPERATOR PROTECTION		ROPS/FOPS level II			
PAYLOAD	kg	7.000			
EMPTY WEIGHT	kg	5.460		5.138	5.480
FULL LOAD WEIGHT	kg	12.4	-60	12.150	12.480
CAPACITY STRUCK		2.700			
CAPACITY HEAPED (SAE)	1	3.530			
MAX. SPEED (SLOW)	km/h	8,2			
MAX. SPEED (FAST)	km/h	25,0			
TRACTION		All wheel drive (4x4)			
TRANSMISSION		Hydrostatic Electric			
SERVICE BRAKES		With discs in oil bath			
PARKING BRAKES		Negative			
HYDRAULIC SYSTEM PRESSURE	bar	180,0			
HYDRAULIC OIL TANK CAPACITY		100,0		85,0	
ENGINE (ICE)		Kohler KDI 2504 TCR		Perkins 403J-11	-
EMISSIONS		STAGE V	Tier 4 Final EPA	STAGE V	-
MAX. POWER	kW	55,4 @ 2.600 rpm		18.5 @ 2.800 rpm	-
DISPLACEMENT/CYLINDERS		2.482cc - 4 in line		1.100cc - 3 in line	-
POST-TREATMENT		EGR + DOC + DPF	EGR + DOC		-
FUEL TANK CAPACITY	- 1	10		08,0	
MOTOR (EV) CONT./PEAK	kW	-		25,0/39,0	
VOLTAGE	V	-		102,4	
BATTERY CAPACITY (NOMINAL) STD/OPT	kWh	-		23,6	70,8
ON BOARD CHARGER	kW	-		3,0	9,0

## DRIVER'S SEAT/CABIN

- Front access on right/left sides
- O Rear glass protection grill
- Heating
- Air conditioning
- Orange seat belt with fastened seat belt sensor
- Seat with presence sensor
- O Pneumatic seat
- Integral joystick for body drive selection
- Digital screen (IP69)
- Rotary encoder for selecting display functions
- O Front-facing camera
- Reversing camera
- Sun visors (nr. 2)
- Bluetooth radio

#### VEHICLE/SECURITIES

- 180° rotating body
- Gear ring with motor. and negative brake
- Dump body positioning sensors
- RED color steps
- Rear-view mirrors (n. 2)
- Digital inclinometer
- Reversing horn
- O Dump body protection grill
- O Rear lights (under body)
- Orange rotating light
- O Green rotating light
- Underbody mudguards
- Tow hook with 13 pin socketNegative parking brake
- Hill Hold function