



ITS HISTORY, ITS PRODUCTS, ITS TALENTS...

*"...hydro-mec is a mechanical tailoring:
from small series to prototypes,
each product is customized on clients' needs..."*

*Giovanni Grosso,
CEO
Hydro-mec s.r.l.*



hydro-mec s.r.l.

From 1974...

Hydro-mec was born in 1974 as Officina Meccanica Lessonese. After a short period, because of circumstances and skills oriented to design and construction of earthmoving machines and special prototypes, the main activity shifted towards the construction of machines for producing polystyrene, mineral wool and silica sand.

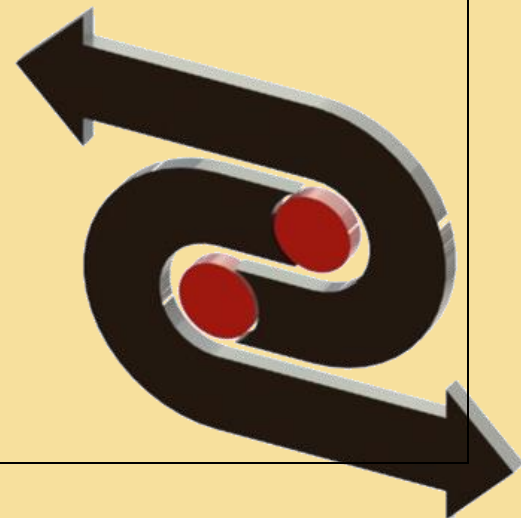
In 1976 came up the first dumper made by Hydro-mec, ensued by a small series for the African market, while from 1979 the production of dumpers is mainly designed for the Swiss market.

...nowadays...

Hydro-mec has always been partner of the most demanding clients; in fact, close to the production of small series, very special and customized devices and settings are designed and built in order to operate in galleries or mines, to lay the emulsion in the asphaltting process or, still, to operate on gardens, graveyards and urban places.

Today we are showing the **Speed-Track**, innovative vehicle which main features are the ease in manoeuvring and the flexibility to move in each condition.

Giovanni Grosso next to the first model of dumper.



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The vehicle can be customized, as usual, according to customers' needs: nowadays we suggest the configuration with a bucket or with a foldable floor; however the flexibility is such that it is possible to implement fire engines, devices for energy distribution, for environmental safeguard and for special forestry operations as well.

Polymeric torsion bars provide a damping action for each, independent, road wheel so that the vehicle can move up to 20 km/h in the most comfortable way.

Due to the higher grip allowed by the track and because of the great stability, the Speed-Track can safely overcome really high slopes and work in conditions which are too hard for a wheeled vehicle.

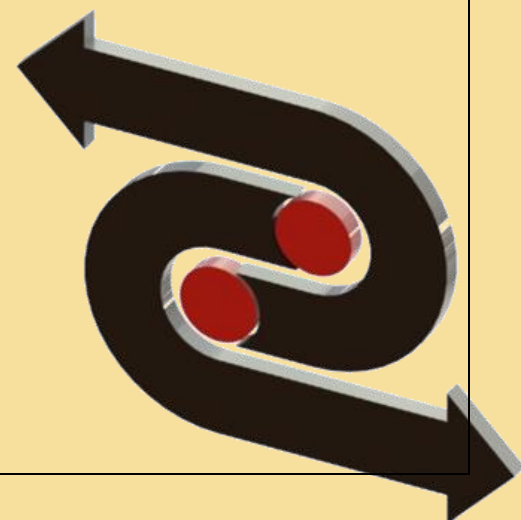
Due to the partnership with Bosch-Rexroth group, just for Hydro-mec, a software has been designed so that the vehicle can be easily controlled by a steering wheel, for turning, and pedals for accelerating and braking.



Speed-Track employed in a forest to forward wood.



Speed-Track can easily overcome really high obstacles (the diameter of the pipe in the picture is more than 600 mm)



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The vehicle is, than, very easy to be driven, simple like an ordinary car. Furthermore the steering wheel in the limit positions allows the pivot steering, such that the vehicle can change direction in an extremely small space.

...designing the future...

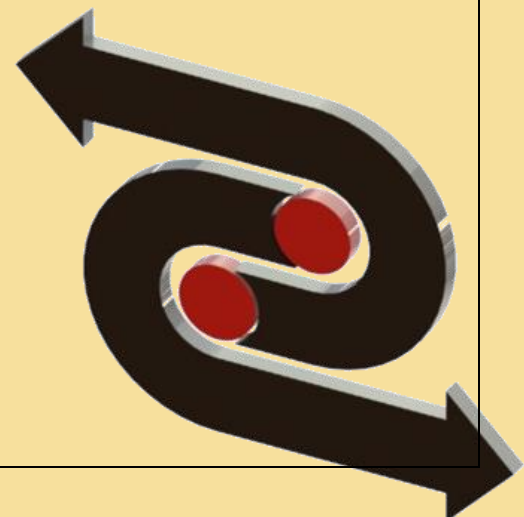
During 2013 the Speed-Track has been studied by two master students in mechanical engineering from Politecnico of Turin. Their creativity and the knowledge of the latest simulation soft-wares, together with Hydro-mec 40 years experience in designing earthmoving machines, is the best way to shape a future characterized by innovation and technical leadership.



Speed-Track in the configuration with the foldable floor, full loaded.



Speed-Track in the configuration with the foldable floor, discharging the load.

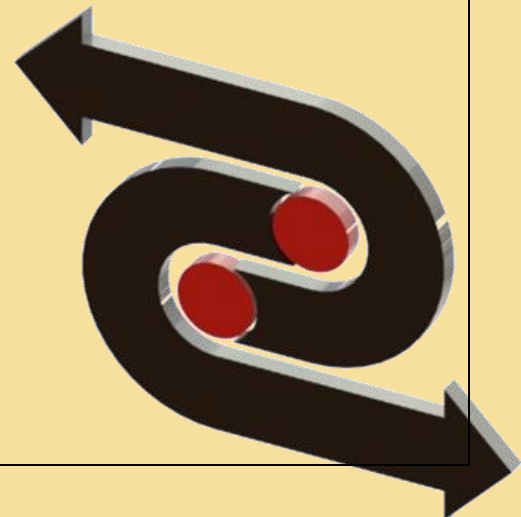


SPEED-TRACK

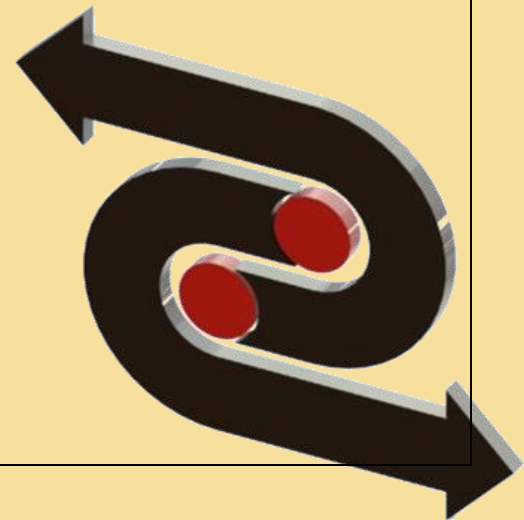
The tracked vehicle Speed-Track, which technical features are summarized in the datasheet below, **can be tested in our site in Lessona** (see address in the reverse side of this brochure).

DATASHEET

STRUCTURE	Rigid, with road wheels floating independently
STEERING	Hydraulic with electronic control by steering wheel
ENGINE	Diesel Kubota V3307-DI-T-E3B Max power: 55.4 [kW] @ 2600 [rpm]
TRANSMISSION	Hydro-static Bosch-Rexroth, electronic control
TRACK	Made by rubber with internal steel wires without weldings
MAXIMUM SPEED	20 [km/h]
BUCKET CAPACITY	1.4 [m ³] flush
CARRYING CAPACITY	2300 [kg]
KERB WEIGHT	3700 [kg]



DUMPER 4R-900-RH



DUMPER 4R-900-RH

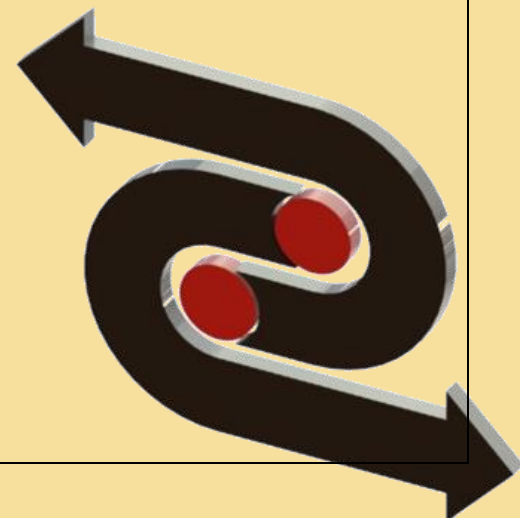
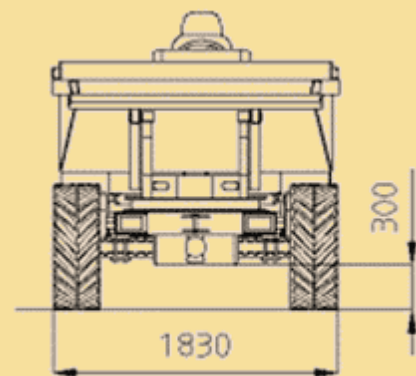
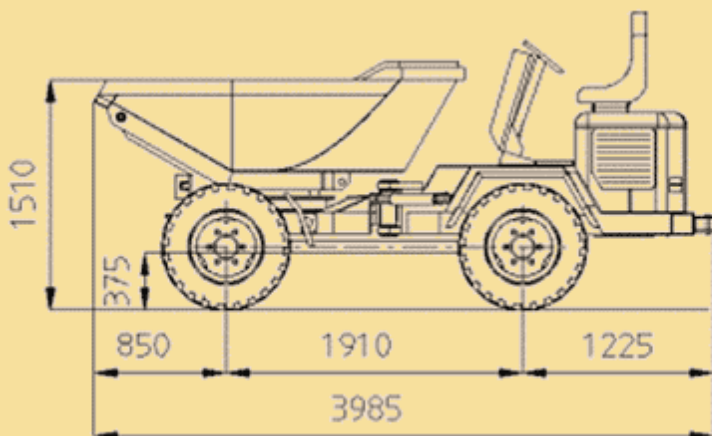
Dumper made for maintenance and property renovation applications.

Due to small dimensions and to high power on board, the vehicle moves very easily in small spaces. Furthermore, acoustic comfort and low exhaust emissions make the vehicle ideal for moving and working on mountain villages and Old towns.

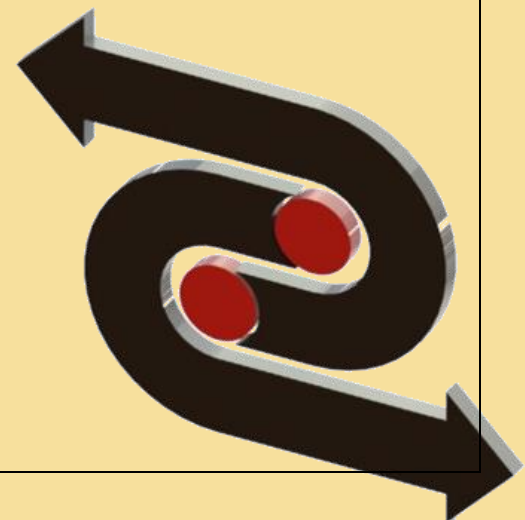
The light weight allows the vehicle to be employed on industrial floors where, because of the hydraulic steering system, the vehicle turns out to be moved very easily.

DATASHEET

STRUCTURE	Jointed with double central joint
STEERING	Hydraulic steering system
ENGINE	Diesel Kubota D1105 Max power: 18.7 [kW] @ 3000 [rpm]
TRANSMISSION	Hydro-static, 2 speeds
TYRES	6.00x16"
MAXIMUM SPEED	23 [km/h]
CARRYING CAPACITY	0.7 [m ³] flush - 0.9 [m ³] full
KERB WEIGHT	1000 [kg]



DUMPER 4R-1200-RH



DUMPER 4R-1200-RH

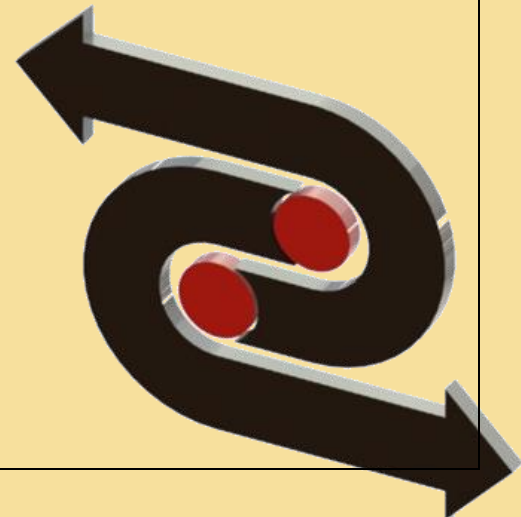
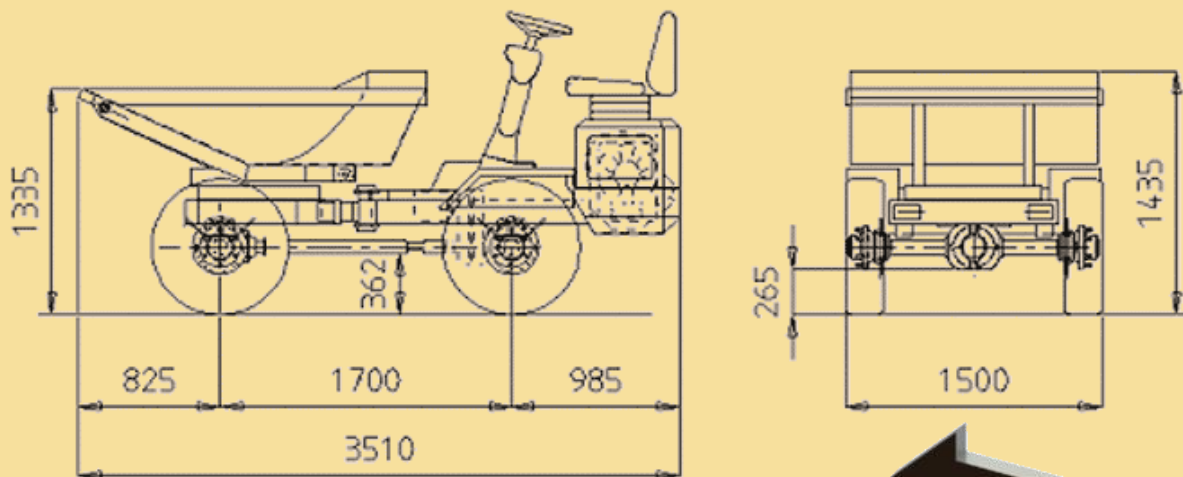
Dumper designed to be employed on building and road yards, light weight and agile in urban yards.

The vehicle is made by using high quality steels and the best components available on the market.

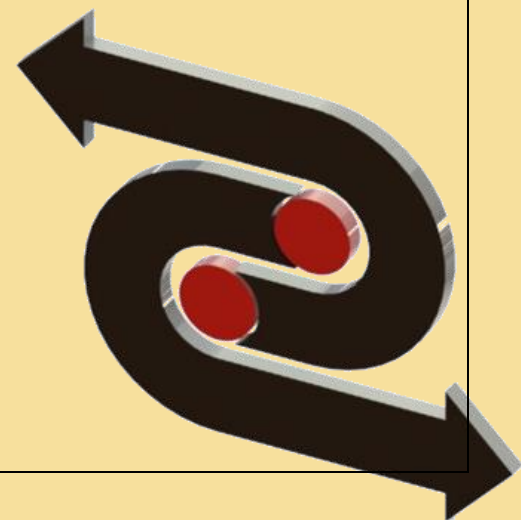
Check and maintenance routines are extremely easy due to excellent service access.

DATASHEET

STRUCTURE	Jointed with double central joint
STEERING	Hydraulic steering system
ENGINE	Diesel Kubota V1505 Max power: 26.5 [kW] @ 3000 [rpm]
TRANSMISSION	Hydro-static, 2 speeds and mechanical speed reducer
TYRES	7.50x16" profile tractor 8 layers <i>or</i> 10.00x15.3" profile tractor 10 layers
MAXIMUM SPEED	25 [km/h]
CARRYING CAPACITY	1620 [kg]
KERB WEIGHT	1780 [kg]



DUMPER 4R-1600-RH



DUMPER 4R-1600-RH

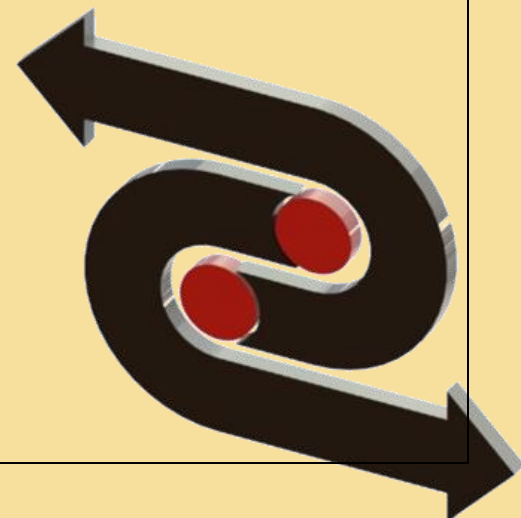
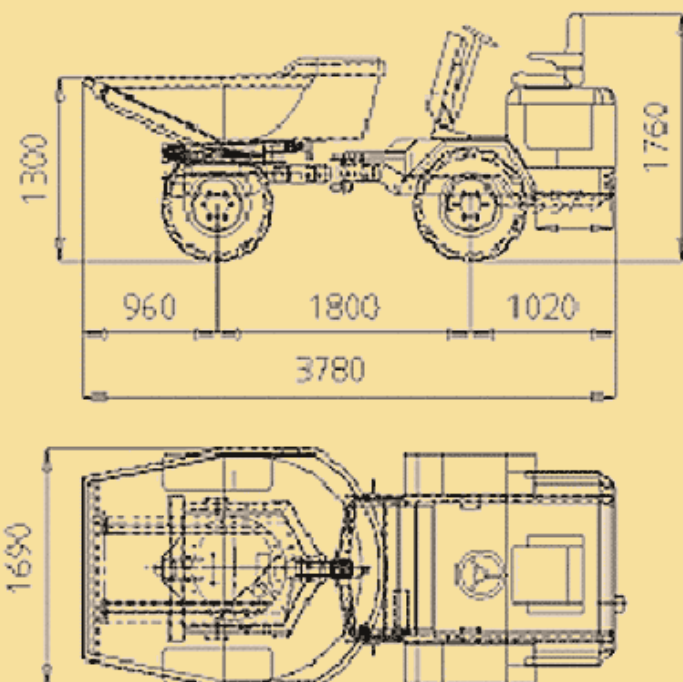
Strong, robust and easy in maneuvering dumper with high care over functional design. The structure employees high quality steels wrought on CN machines and the best components available on the market.

Stability, speed, handling and high acoustic comfort make the vehicle surprisingly versatile and ideal to be employed on building and road yards.

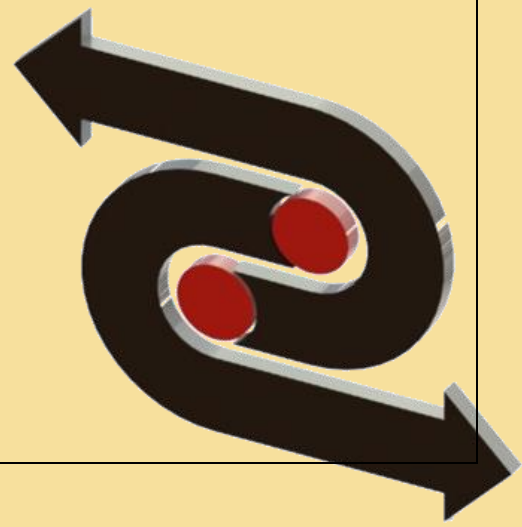
As all Hydro-mec s.r.l. vehicles, maintenance and check routines are extremely easy.

DATASHEET

STRUCTURE	Jointed with double central joint
STEERING	Hydraulic steering system
ENGINE	Diesel Kubota V2403-M Max power: 38 [kW] @ 2600 [rpm]
TRANSMISSION	Hydro-static, 2 speed and speed reducer
TYRES	10.00x15.3" 14 layers MPT
MAXIMUM SPEED	25 [km/h]
CARRYING CAPACITY	2680 [kg]
KERB WEIGHT	2320 [kg]
MAX. SLOPE SURMOUNTABLE	40% full-loaded



DUMPER 4R-2203-RH



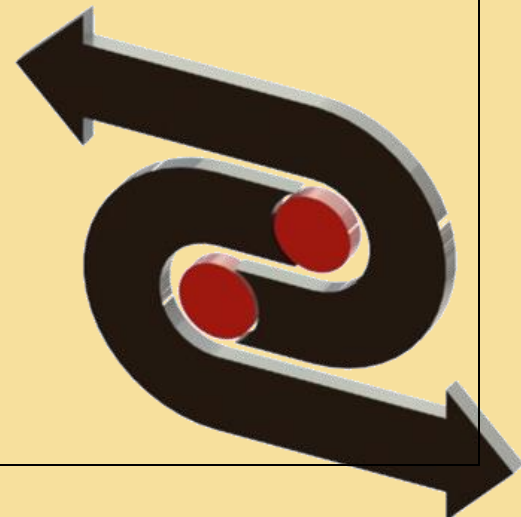
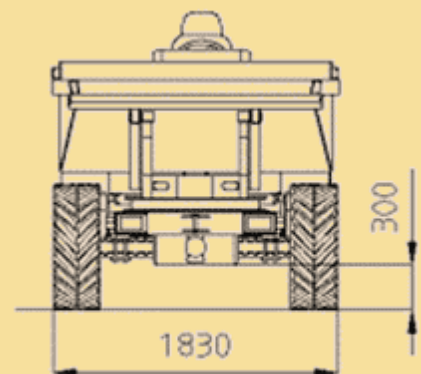
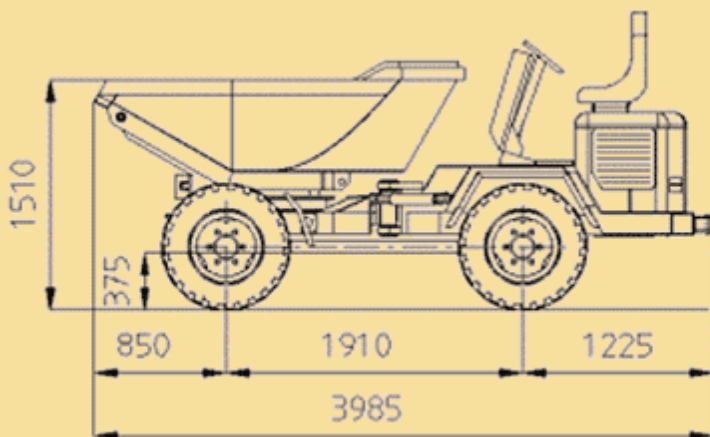
DUMPER 4R-2203-RH

Strong, robust and easy in maneuvering dumper designed with high care over functional design. The structure employees high quality steels wrought on CN machines and the best components available on the market.

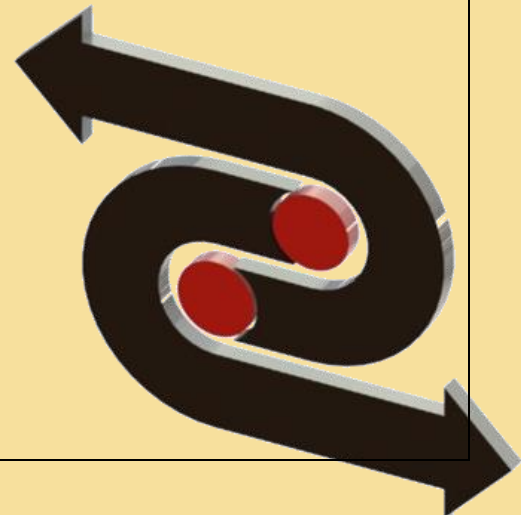
High stability and acoustic comfort make this vehicle suitable for all terrains and yards, ideal on rough and bumpy roads because of the transmission and the precision of movements.

DATASHEET

STRUCTURE	Jointed with double central joint
STEERING	Hydraulic steering system
ENGINE	Diesel Kubota V3600-E3B Max power: 49.8 [kW] @ 2600 [rpm]
TRANSMISSION	Hydro-static, 2 speeds and mechanical speed reducer
TYRES	11.50x15.3" 14 layers MPT
MAXIMUM SPEED	24 [km/h]
CARRYING CAPACITY	4000 [kg]
KERB WEIGHT	3000 [kg]
MAX. SLOPE SURMOUNTABLE	50% full loaded



DUMPER 4R-2500-RH



DUMPER 4R-2500-RH

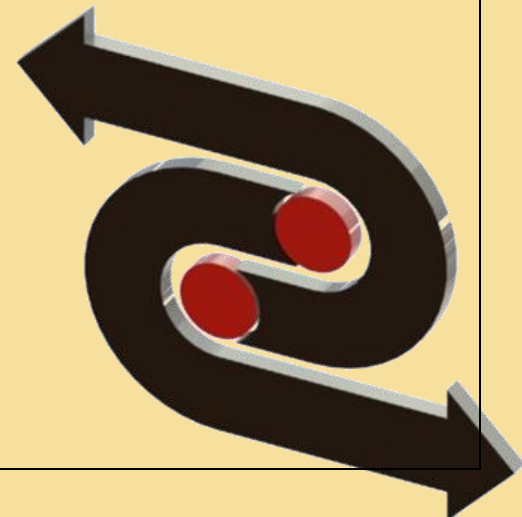
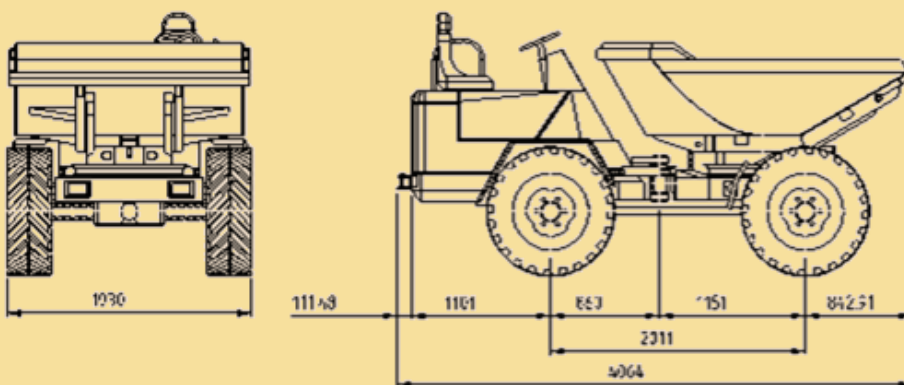
Strong, robust and easy in maneuvering dumper with high care over functional design. The structure employees high quality steels wrought on CN machines and the best components available on the market.

High stability and high clearance make this vehicle suitable for the most difficult yards in the worst conditions.

As all Hydro-mec s.r.l. vehicles, maintenance and check routines are extremely easy.

DATASHEET

STRUCTURE	Jointed with double central joint
STEERING	Hydraulic steering system
ENGINE	Diesel Kubota V3600-TE3B Max power: 63 [kW] @ 2600 [rpm]
TRANSMISSION	Hydro-static, 2 speeds and mechanical speed reducer
TYRES	12.50x18" 12 layers MPT
MAXIMUM SPEED	24 [km/h]
CARRYING CAPACITY	4700 [kg]
KERB WEIGHT	3300 [kg]
MAX. SLOPE SURMOUNTABLE	50% full loaded





Afzal, Andrea, Antonio, Bruno, Davide, Davide, Giancarlo, Giorgio, Giorgio, Giovanni, Laerte, Lilia, Luca, Maurizio, Paolo, Simone ...

...just a word... Hydro-mec!

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