ESSENTIAL

Over half a century of experience to prove the reliability of Dieci concrete mixers.

The proven design of the spiral blades enables a homogeneous mixing in all sections.

The high thickness steel used for the mixing drum ensures its dimensional stability and long durability.

Great manoeuvrability, compactness and agility, combined with 4-wheel drive, make Dieci self-loading and rotating concrete mixers essential.

50 YEARS OF EXPERIENCE AND RELIABILITY
TRUCK MIXER

HI-TECHNOLOGY

LOADING SYSTEM

COMFORT

REVERSE DRIVING
WIDE RANGE

4 VERSIONS
WITH AND WITHOUT LOADING SHOVEL

2.4 - 7.0 m³

3 ENGINE SIZES

50-141 hp
COMFORT

A/C

360°

VISIBILITY

ON-BOARD
COMPUTER

ROP-FOPS
Absolute comfort

It's the first thing you feel aboard a DIECI truck mixer. The intelligently designed control layout makes the machine simple, intuitive and comfortable to use.

With the widest cab door on the market, accessing the driving position is easy and safe.

Double folding door opening with open door safety lock.

Unparalleled technology with the new on-board computer.

The display shows clearly and in real time all the information necessary to operate the vehicle.

Soundproofing, tilting steering wheel, storage compartments and various accessories such as air conditioning, radio, sun screen and pneumatic ergonomic seat allow to operate in conditions of total comfort.

The front and rear window wipers clean the glass even at the top of the cab for an unparalleled 360° view.

The structural characteristics, meet the strict ROPS/FOPS safety requirements.

The powerful air conditioning system allows perfect air circulation inside the cab, reaching the desired temperature very quickly.
POWER

HYDROSTATIC TRANSMISSION

Stage 3B/Tier 4i

3 ENGINE SIZES

TRUCK MIXER
**ENGINES Stage 3B/Tier 4i**
All of the latest generation and in compliance with the emission standards, with full electronic control and fuel consumption reduced by more than 10%.

**DPF** technology used on 3500 and 4700 models to take advantage of the 115 hp KUBOTA engines.
**SCR** technology with AdBlue for 141 hp FPT engines, on 7000 models. Higher performance and further fuel savings.

**HYDROSTATIC TRANSMISSION**
With the latest components, it facilitates the movements making them fluid and precise. The **INDEPENDENT HYDRAULIC CIRCUIT** for the **DRUM ROTATION** ensures maximum mixing performance.

**INCHING PEDAL**
It is essential when the forward speed must be reduced or stopped, and the maximum hydraulic power is required for the drum. The **servo-assisted service brake** furthermore ensures safe and modulated braking reducing stress on the pedal.

**ALL ROAD**
The **FOUR-WHEEL DRIVE** and **STEERING** wheels with the "twin wheels" mode facilitate the movements on construction sites with limited space.

**ENGINES Stage 3A/Tier 3**
Engines that meet the regulations of the relevant emission standards are available for countries outside the EU.
LOADING SYSTEM

HOPPER

TRILATERAL

REVERSIBLE DRIVING

SELF LOADING
HOPPER LOADING SHOVEL

Unrivaled characteristics of versatility and agility for the automatic loading system with a single movement, which prevents the materials from escaping when they are placed in the drum.

The drum cap is fitted with the ingenious hydraulic SYSTEM CAP.

The hopper facilitates loading in concrete plants.

Simple geometries for maximum efficiency and functionality during the loading phase, minimizing the clogging risks. Convenient maintenance with easily removable hopper.
**MAXIMUM CONTROL CAMERA**

The cameras (optional) provide a millimetric view on the screen facilitating the load and movement operations.

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**CONCRETE CUBE SYSTEM**

High precision components dosing system which can perform real-time monitoring and final check of the concrete quality.

For a perfect mixture, by setting the components percentage, the system automatically calculates the amount of water to be introduced into the drum.

The self-compensating electronic weighing can be used on slopes up to 10°.

Integrated printer for direct output of the report that certifies characteristics of the concrete.

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**MIXING SYSTEM**

Mixture of very high quality thanks to the ingenious design of the mixing spirals which ensure perfect homogeneity. The drum walls thickness ensures dimensional stability increasing its durability.

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**ON-BOARD COMPUTER**

Advanced instrumentation with a large display and intuitive icon-based interface provides comprehensive and detailed information.

All engine functions are controlled with CANBUS system that allows a better response in real time.
EASY CONTROL

HIDDEN TANKS

TECHNOLOGY

AXLES
**HIGH CAPACITY AXLES**
Absolute safe and precise operations at maximum load even when stationary. The chassis of Dieci truck mixers on side members confers characteristics of stability able to compensate the electronic weighing phases.
Nothing left to chance, as the headlights protections.

**EASY CONTROL**
Drum rotation control which can be operated from the ground by two workstations for models 7000 - 4700 - 3500. Emergency stop button on all models.

**INSPECTION DOOR**
Positioned on the head of the drum, it makes the maintenance operations easier guaranteeing maximum seal and sturdiness.

**HIDDEN TANK**
Fuel tank and related filler neck are positioned in the rear of the vehicle protected from accidental impacts.
Hydraulically controlled chute for models 3500 - 4700 - 7000 with possibility to insert extension and rotation > 180°.

**WATER SYSTEM**
The suction system draws water from the integrated tanks protected against accidental impacts. The 1000 liters available are managed simply by the easy-to-read water meter. High pressure cleaning nozzle available as an option.

As an option it is possible to install an additional tank for the models 3500 - 4700 - 7000.
In models fitted with the Concrete Cube System there is the tank dedicated to additives for concrete.
MADE IN ITALY
DIECI, with more than half a century of experience and continuous development, achieves the perfect vehicle for every need.

Our Technical Assistance Service maintains a world-wide presence through an extensive network of authorised service centres and dealers.

The automated spare parts warehouses and the direct assistance with the user, provide a very short time of intervention.

DIECI SERVICE, within a few hours, can provide worldwide both spare parts and qualified staff.

Warranty

DIECI offers customized warranty extension packs for components and durability.
## Technical Specifications

### General Information

<table>
<thead>
<tr>
<th></th>
<th>N 2400</th>
<th>L 3500</th>
<th>L 4700</th>
<th>F 7000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete yield (SLUMP 5 - 9 cm - UNI EN 206-1) (m³)</td>
<td>1.70</td>
<td>2.50</td>
<td>3.50</td>
<td>5.00</td>
</tr>
<tr>
<td>Track width (mm)</td>
<td>1.660</td>
<td>2.000</td>
<td>2.000</td>
<td>1.900</td>
</tr>
<tr>
<td>Wheels</td>
<td>10.5x18&quot;</td>
<td>12.5x18&quot;</td>
<td>405/70x20&quot;</td>
<td>405/70x24&quot;</td>
</tr>
<tr>
<td>Total weight without load (with shovel) (kg)</td>
<td>4.000</td>
<td>6.150</td>
<td>6.400</td>
<td>7.400</td>
</tr>
<tr>
<td>Total weight without shovel (kg)</td>
<td>3.840</td>
<td>5.900</td>
<td>7.050</td>
<td>8.050</td>
</tr>
<tr>
<td>Water tank capacity (l)</td>
<td>270</td>
<td>700</td>
<td>700</td>
<td>820</td>
</tr>
<tr>
<td>Loading shovel capacity (l)</td>
<td>270</td>
<td>500</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Maximum speed (km/h)*</td>
<td>27</td>
<td>27</td>
<td>27</td>
<td>27</td>
</tr>
</tbody>
</table>

* Self-priming water pump

*CE* Marking - Approved for road use with load

* referred to wheels having the maximum allowable diameter.

### Engine

<table>
<thead>
<tr>
<th></th>
<th>N 2400</th>
<th>L 3500</th>
<th>L 4700</th>
<th>F 7000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Lombardini</td>
<td>Kubota</td>
<td>Kubota</td>
<td>FPT - NEF</td>
</tr>
<tr>
<td>Maximum power kW (hp)</td>
<td>36.6 (50)</td>
<td>85 (114)</td>
<td>85 (114)</td>
<td>105 (141)</td>
</tr>
<tr>
<td>Revolutions per minute (rpm)</td>
<td>3000</td>
<td>2600</td>
<td>2600</td>
<td>2200</td>
</tr>
<tr>
<td>Operation</td>
<td>4-stroke Diesel</td>
<td>Direct Electronic, Common Rail</td>
<td>Direct Electronic, Common Rail</td>
<td>Direct Electronic, Common Rail</td>
</tr>
<tr>
<td>Injection</td>
<td>Direct Mechanical</td>
<td>4, vertical in line</td>
<td>Direct Electronic, Common Rail</td>
<td>Direct Electronic, Common Rail</td>
</tr>
<tr>
<td>Number and arrangement of cylinders</td>
<td>2199</td>
<td>3769</td>
<td>3769</td>
<td>4500</td>
</tr>
<tr>
<td>Displacement (cm³)</td>
<td>258</td>
<td>227</td>
<td>227</td>
<td>215</td>
</tr>
<tr>
<td>Specific consumption at maximum power (g/kWh)*</td>
<td>2199</td>
<td>3769</td>
<td>3769</td>
<td>4500</td>
</tr>
<tr>
<td>Emission standard</td>
<td>Stage 3A / Tier 3</td>
<td>DPF (Stage 3B / Tier 4)</td>
<td>DPF (Stage 3B / Tier 4)</td>
<td>SCR (Stage 3B / Tier 4)</td>
</tr>
<tr>
<td>Liquid-cooling system</td>
<td>Natural Intake</td>
<td>Turbo compressor After-cooler</td>
<td>Turbo compressor After-cooler</td>
<td>Turbo compressor After-cooler</td>
</tr>
<tr>
<td>Air pre-heating, Air self-cleaning pre-filter, Fuel pre-filter</td>
<td>Air pre-heating, Air self-cleaning pre-filter, Fuel pre-filter</td>
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<td></td>
</tr>
</tbody>
</table>

* at maximum power.

### Drum Rotation Hydraulic System

- Open-loop gear pump with drum rotation speed controller. Only for: N 2400 L 3500
- Closed-loop axial piston pump with drum rotation speed controller. Only for: L 4700 F 7000
- Coaxial hydraulic gear motor.

### Differential Axles

- Type of steering: 4 wheels / transversal / 2 wheels.
- Steering front and rear axles with planetary reduction gears.
- Self-locking front axle. Only for: F 7000
- Self-locking rear axle. Only for: L 3500 L 4700
- Hydraulic braking with oil bath discs on the 4 wheels.
- Parking brake: with negative action.

### Restyling

- A new style concept that encompasses cabin, chassis and engine hood to make a winning vehicle attractive, comfortable and safe. Only for: L 3500 L 4700 F 7000

### Transmission

- Variable displacement hydrostatic pump.
- Electro-hydraulic shuttle actuated even with vehicle in motion.
- Servocontrolled 2-speed gearbox.
- Pedal inching shuttle for controlled forward movement.
- Only for: N 2400 - 2-speed hydraulic motor with electric selection.

### Mixing Drum

- Drum lifting to facilitate unloading.
- Drum lifting to facilitate unloading.
- Trilateral unloading by rotation over the fifth wheel. Only for: L 3500 L 4700

### Safety Devices

- Engine can be started only with transmission in neutral.
- Automatic handbrake applied when engine is shut off.

### Cab

- Reversible driver’s seat.
- ROPS-FOPS approval.
- Adjustable seat with seat belts.
- Front and rear windows.
- 2 window wipers.
- Instrumentation:
  - fuel level gauge, oil and water temperature indicator light, battery charge, hour meter.
The photos in this catalog are purely indicative due to the constant evolution and research.

Dimensions in millimeters

DIMENSIONS

N 2400

L 3500

L 4700

F 7000