

DIECI



TRUCK MIXER



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



COMFORT

LOADING
SYSTEM

HI-TECHNOLOGY

REVERSE
DRIVING

WIDE RANGE

4 VERSIONS

WITH AND WITHOUT LOADING SHOVEL

2.4 - 7.0 m³

50-141 hp

3 ENGINE SIZES





L 3500
115 hp
capacity 3,5 m³
yield 2,50 m³



F 7000
141 hp
capacity 7,0 m³
yield 5,00 m³



N 2400
50 hp
capacity 2,4 m³
yield 1,70 m³



L 4700
115 hp
capacity 4,7 m³
yield 3,50 m³





A/C

COMFORT

360°
VISIBILITY

ON-BOARD
COMPUTER

ROPS-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.

Unparalleled technology with the new on-board computer.

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

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.



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.

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 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 weals" 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

REVERSIBLE
DRIVING

TRILATERAL

SELF LOADING





HOPPER LOADING SHOVEL

Unrivalled 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.



HI - TECHNOLOGY



HYDRAULIC
WEIGHING

ELECTRONIC
WEIGHING

COMPONENTS
DOSING SYSTEM

TRUCK MIXER



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.

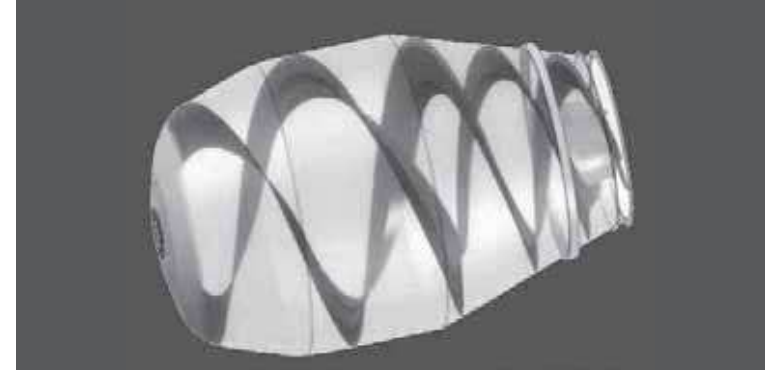
MAXIMUM CONTROL CAMERA

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



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.



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.

TECHNOLOGY

A blue and yellow truck mixer is shown from a rear-three-quarter view. A transparent blue overlay is applied to the image, revealing internal mechanical components. White text labels with leader lines point to specific parts: 'EASY CONTROL' points to the operator's seat area, 'HIDDEN TANKS' points to a large yellow tank, 'AXLES' points to the rear axle assembly, and 'TECHNOLOGY' is at the top right. In the bottom left, a circular graphic with the text 'TRUCK MIXER' is partially visible.

EASY
CONTROL

HIDDEN
TANKS

AXLES

TRUCK MIXER



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





FOR THE WORLD

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	N 2400	L 3500	L 4700	F 7000
Concrete yield (SLUMP 5÷9 cm - UNI EN 206-1) (m3).	1,70	2,50	3,50	5,00
Track width (mm).	1.660	2.000	2.000	1.900
Wheels.	10.5x18"	12.5x18"	405/70x20"	405/70x24"
Total weight without load (with shovel) (kg).	4.000	6.150	6.700	7.400
Total weight without load (without shovel) (kg).	3.840	5.900	6.400	7.050
Water tank capacity (l).	270	700	700	820
Loading shovel capacity (l).	270	500	600	600
Maximum speed (km/h)*.	27	27	27	27
	Self-priming water pump			
	"CE" Marking - Approved for road use with load			
* referred to wheels having the maximum allowable diameter.				

ENGINE	N 2400	L 3500	L 4700	F 7000
Model.	Lombardini	Kubota	Kubota	FPT - NEF
Maximum power kW (hp).	36,6 (50)	85 (114)	85 (114)	105 (141)
Revolutions per minute (rpm).	3000	2600	2600	2200
Operation.	4-stroke Diesel			
Injection.	Direct Mechanical	Direct Electronic, Common Rail		
Number and arrangement of cylinders.	4, vertical in line			
Displacement (cm3).	2199	3769	3769	4500
Specific consumption at maximum power (g/kWh)*.	258	227	227	215
Emission standard.	Stage 3A / Tier 3	DPF (Stage 3B / Tier 4i)	DPF (Stage 3B / Tier 4i)	SCR (Stage 3B / Tier 4i)
	Natural Intake	Turbo compressor After-cooler		16-valve turbo compressor
	Liquid-cooling system			
		Air pre-heating, Air self-cleaning pre-filter, Fuel prefilter		Air pre-heating, Fuel pre-filter
* 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.	

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.

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 control for controlled forward movement.
Only for: N 2400 - 2-speed hydraulic motor with electric selection.
Only for: L 3500 - L 4700 - F 7000 - Hydraulic motor with continuous automatic adjustment.

MIXING DRUM

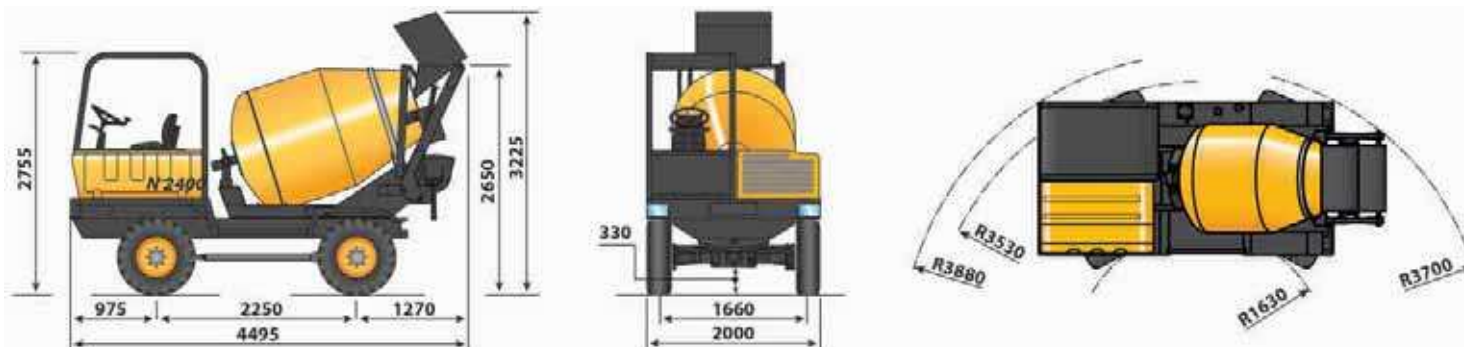
Drum lifting to facilitate unloading.	
Drum lifting to facilitate unloading.	Only for:
Trilateral unloading by rotation over the fifth wheel.	L 3500 L 4700

SAFETY DEVICES

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

DIMENSIONS

Dimensions in millimeters



N 2400

DIMENSIONS

Dimensions in millimeters



L 3500

DIMENSIONS

Dimensions in millimeters



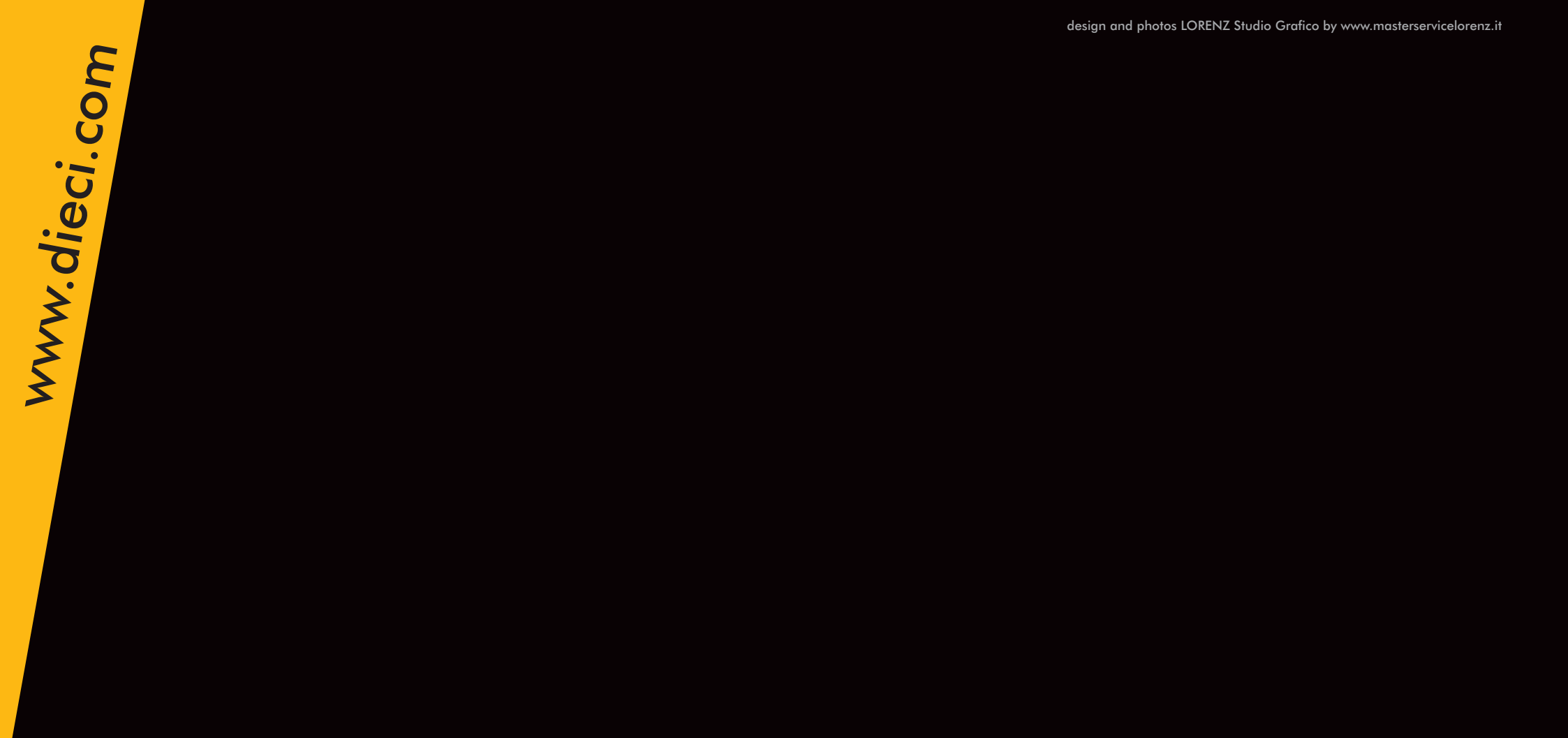
L 4700

DIMENSIONS

Dimensions in millimeters



F 7000



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