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.

TRUCK MIXER

COMFORT

LOADING SYSTEM

HI-TECHNOLOGY

REVERSE DRIVING

WIDE RANGE

4 VERSIONS

WITH AND WITHOUT LOADING SHOVEL

1.7 - 5.0 m^3

49 - 129 hp

3 ENGINE SIZES

L 3500
112 hp
capacity 3,5 m^3
yield 2,50 m^3

F 7000
129 hp
capacity 7,0 m^3
yield 5,00 m^3

N 2400
49 hp
capacity 2,4 m^3
yield 1,70 m^3

L 4700
112 hp
capacity 4,7 m^3
yield 3,50 m^3

COMFORT

A/C

360°
VISIBILITY

ON-BOARD
COMPUTER

ROPS-FOPS

TRUCK MIXER

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
F 7000
DIECI
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 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.

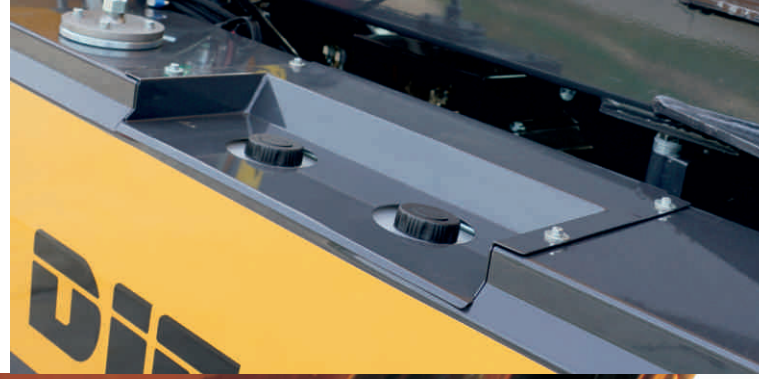
CONCRETE CUBE SYSTEM (CCS)

NEW LOADING SYSTEM

It allows the excess material to be discharged into the bucket thanks to the integrated **CONCRETE CUBE SYSTEM (CCS)** scale system.

ADDITIVES TANK

The device can be integrated with the automatic input of up to two additives, through the liter meter reading and automatic activation of the pumps.



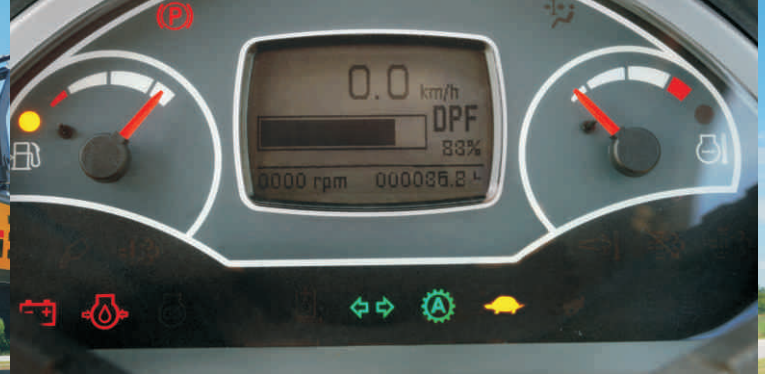
CONCRETE CUBE SYSTEM (CCS)

High precision system that performs **real-time check** and **final verification** of the concrete quality.

It accurately weighs the aggregates that are loaded by bucket and automatically adds the required water and additives. It is able to manage up to 128 recipes.

The self-compensating **electronic weighing** device makes it possible to work on grounds with inclination angle up to **10°**. **Integrated printer** that immediately provides a report that guarantees the production of **certified quality concrete.**

HI - TECHNOLOGY
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.

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.

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.

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.

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°.

MAXIMUM CONTROL CAMERA

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

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.

GENERAL INFORMATION

Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Concrete yield	1,7 m^3 (60 ft^3)	1,7 m^3 (60 ft^3)	2,5 m^3 (88 ft^3)	2,5 m^3 (88 ft^3)	2,5 m^3 (88 ft^3)	3,5 m^3 (124 ft^3)	3,5 m^3 (124 ft^3)	3,5 m^3 (124 ft^3)	5,0 m^3 (177 ft^3)	5,0 m^3 (177 ft^3)	5,0 m^3 (177 ft^3)
Standard tires	10.5x18"	10.5x18"	12.5x18"	12.5x18"	12.5x18"	405/70x20"	405/70x20"	405/70x20"	405/70x20"	405/70x20"	405/70x20"
Unladen weight	4000 kg (8818 lb)	4000 kg (8818 lb)	5900 kg (13007 lb)	5900 kg (13007 lb)	5900 kg (13007 lb)	6700 kg (14771 lb)	6400 kg (14110 lb)	6700 kg (14771 lb)	7400 kg (16314 lb)	7400 kg (16314 lb)	7400 kg (16314 lb)
Water tank capacity	180 L (47,55 gal)	180 L (47,55 gal)	630 L (166,43 gal)	630 L (166,43 gal)	630 L (166,43 gal)	630 L (166,43 gal)	630 L (166,43 gal)	630 L (166,43 gal)	850 L (224,55 gal)	850 L (224,55 gal)	850 L (224,55 gal)
Shovel capacity	270 L (71,33 gal)	-	500 L (132,09 gal)	-	500 L (132,09 gal)	600 L (158,5 gal)	-	600 L (158,5 gal)	600 L (158,5 gal)	-	600 L (158,5 gal)
Max speed (referred to wheels with maximum permitted diameter)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)
Notes	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.

TRANSMISSION

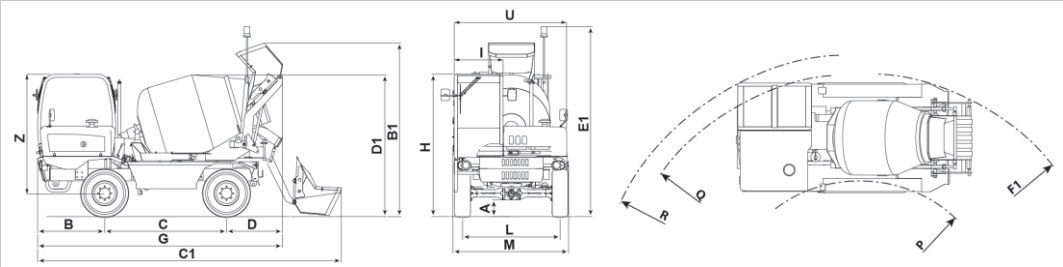
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Transmission type	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump	Hydrostatic with variable displacement pump
Reversal	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic
Transmission gearbox	Servocontrolled 2-speed	Servocontrolled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed	Servocontrolled 2-speed	Servocontrolled 2-speed	Servo-controlled 2-speed
Inching	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement
Hydraulic motor	Hydrostatic with 2 speeds and electric selection	Hydrostatic with 2 speeds and electric selection	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment

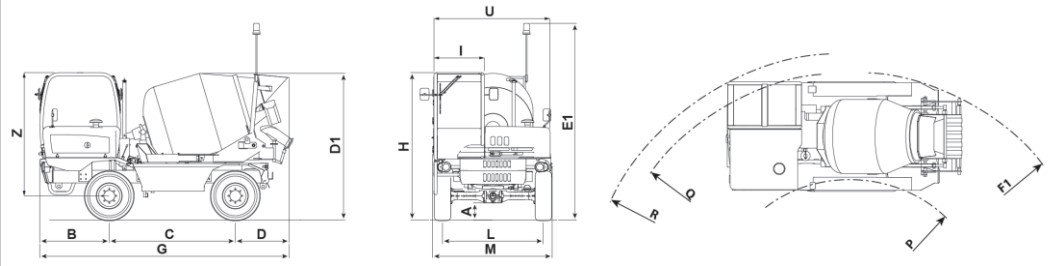
ENGINE

Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Brand	Lombardini	Lombardini	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	FPT	FPT	FPT
Nominal power	36,6 kW (49 HP)	36,6 kW (49 HP)	83,5 kW (112 HP)	83,5 kW (112 HP)	83,5 kW (112 HP)	83,5 kW (112 HP)	83,5 kW (112 HP)	83,5 kW (112 HP)	96 kW (129 HP)	96 kW (129 HP)	96 kW (129 HP)
@rpm	3000 rpm	3000 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2200 rpm	2200 rpm	2200 rpm
Operation	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke
Injection	Mechanical direct	Mechanical direct	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail
Number and arrangement of cylinders	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line
Displacement	2199 cm^3 (134 in^3)	2199 cm^3 (134 in^3)	3769 cm^3 (230 in^3)	3769 cm^3 (230 in^3)	3769 cm^3 (230 in^3)	3769 cm^3 (230 in^3)	3769 cm^3 (230 in^3)	3769 cm^3 (230 in^3)	4485 cm^3 (274 in^3)	4485 cm^3 (274 in^3)	4485 cm^3 (274 in^3)
Consumption	-	-	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)	208 g/kWh (342,16 lb/Hp h)	208 g/kWh (342,16 lb/Hp h)	208 g/kWh (342,16 lb/Hp h)
@rpm	-	-	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	1900 rpm	1900 rpm	1900 rpm
Emission standards	Stage IIIA/ Tier 3	Stage IIIA/ Tier 3	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i	Stage IIIB/ Tier 4i
Cooling system	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Intake	Natural	Natural	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	16-valve turbo compressor, after-cooler	16-valve turbo compressor, after-cooler	16-valve turbo compressor, after-cooler
Air Filter	-	-	Air pre-heating, air self-cleaning pre-filter and fuel pre-filter	Air pre-heating, air self-cleaning pre-filter and fuel pre-filter	Air pre-heating, air self-cleaning pre-filter and fuel pre-filter	Air pre-heating, air self-cleaning pre-filter and fuel pre-filter	Air pre-heating, air self-cleaning pre-filter and fuel pre-filter	Air pre-heating, air self-cleaning pre-filter and fuel pre-filter	Air pre-heating and fuel pre-filter	Air pre-heating and fuel pre-filter	Air pre-heating and fuel pre-filter

HYDRAULIC SYSTEM AND MIXING DRUM

Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Drum general information	Drum lifting to facilitate unloading. Open-loop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Open-loop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Open-loop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Open-loop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Open-loop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Closed-loop axial piston pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Closed-loop axial piston pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Closed-loop axial piston pump with drum rotation speed controller.	Rear front exhaust. Closed-loop axial piston pump with drum rotation speed controller.	Rear front exhaust. Closed-loop axial piston pump with drum rotation speed controller.	Rear front exhaust. Closed-loop axial piston pump with drum rotation speed controller.
Gearbox	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor	Coaxial hydraulic gear motor





The vehicles shown in this catalog can be equipped with standard attachments or equipment, on request or not available, according to the versions. Dieci Srl reserves the right to modify the specifications described and illustrated at any time and without prior notice. Non-contractual document. Non-exhaustive specification list. The photos and diagrams contained in this brochure are provided for consultation and for information purposes.

DIMENSIONS

Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
A	330 mm (13 in)	330 mm (13 in)	340 mm (13,4 in)	340 mm (13,4 in)	340 mm (13,4 in)	390 mm (15,4 in)	390 mm (15,4 in)	390 mm (15,4 in)	435 mm (17,1 in)	435 mm (17,1 in)	435 mm (17,1 in)
B	980 mm (38,6 in)	980 mm (38,6 in)	1380 mm (54,3 in)	1380 mm (54,3 in)	1380 mm (54,3 in)	1380 mm (54,3 in)	1380 mm (54,3 in)	1380 mm (54,3 in)	1215 mm (47,8 in)	1215 mm (47,8 in)	1215 mm (47,8 in)
B1	3225 mm (127 in)	-	3550 mm (139,8 in)	-	3550 mm (139,8 in)	3860 mm (152 in)	-	3860 mm (152 in)	3880 mm (152,8 in)	-	3880 mm (152,8 in)
C	2250 mm (88,6 in)	2250 mm (88,6 in)	2500 mm (98,4 in)	2500 mm (98,4 in)	2500 mm (98,4 in)	2500 mm (98,4 in)	2500 mm (98,4 in)	2500 mm (98,4 in)	3210 mm (126,4 in)	3210 mm (126,4 in)	3210 mm (126,4 in)
C1	5730 mm (225,6 in)	-	6230 mm (245,3 in)	-	6230 mm (245,3 in)	6660 mm (262,2 in)	-	6660 mm (262,2 in)	7490 mm (294,9 in)	-	7490 mm (294,9 in)
D	1270 mm (50 in)	1170 mm (46,1 in)	1150 mm (45,3 in)	1170 mm (46,1 in)	1150 mm (45,3 in)	1640 mm (64,6 in)	1410 mm (55,5 in)	1640 mm (64,6 in)	2050 mm (80,7 in)	1675 mm (65,9 in)	2050 mm (80,7 in)
D1	2620 mm (103,1 in)	2590 mm (102 in)	2900 mm (114,2 in)	2900 mm (114,2 in)	2900 mm (114,2 in)	3170 mm (124,8 in)	3170 mm (124,8 in)	3170 mm (124,8 in)	3070 mm (120,9 in)	3070 mm (120,9 in)	3070 mm (120,9 in)
E1	-	-	3885 mm (153 in)	3885 mm (153 in)	3885 mm (153 in)	4110 mm (161,8 in)	4110 mm (161,8 in)	4110 mm (161,8 in)	4020 mm (158,3 in)	4020 mm (158,3 in)	4020 mm (158,3 in)
F1	3700 mm (145,7 in)	3700 mm (145,7 in)	5340 mm (210,2 in)	5340 mm (210,2 in)	5340 mm (210,2 in)	5590 mm (220,1 in)	5340 mm (210,2 in)	5590 mm (220,1 in)	6450 mm (253,9 in)	6120 mm (240,9 in)	6450 mm (253,9 in)
G	4495 mm (177 in)	4400 mm (173,2 in)	5030 mm (198 in)	4955 mm (195,1 in)	5030 mm (198 in)	5520 mm (217,3 in)	5290 mm (208,3 in)	5520 mm (217,3 in)	6475 mm (254,9 in)	6100 mm (240,2 in)	6475 mm (254,9 in)
H	2755 mm (108,5 in)	2755 mm (108,5 in)	2915 mm (114,8 in)	2915 mm (114,8 in)	2915 mm (114,8 in)	2940 mm (115,7 in)	2940 mm (115,7 in)	2940 mm (115,7 in)	3075 mm (121,1 in)	3075 mm (121,1 in)	3075 mm (121,1 in)
I	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)	1000 mm (39,4 in)
L	1660 mm (65,4 in)	1660 mm (65,4 in)	2000 mm (78,7 in)	2000 mm (78,7 in)	2000 mm (78,7 in)	2000 mm (78,7 in)	2000 mm (78,7 in)	2000 mm (78,7 in)	1920 mm (75,6 in)	1920 mm (75,6 in)	1920 mm (75,6 in)
M	1960 mm (77,2 in)	1960 mm (77,2 in)	2370 mm (93,3 in)	2370 mm (93,3 in)	2370 mm (93,3 in)	2400 mm (94,5 in)	2400 mm (94,5 in)	2400 mm (94,5 in)	2370 mm (93,3 in)	2370 mm (93,3 in)	2370 mm (93,3 in)
P	1630 mm (64,2 in)	1630 mm (64,2 in)	3030 mm (119,3 in)	3030 mm (119,3 in)	3030 mm (119,3 in)	3000 mm (118,1 in)	3000 mm (118,1 in)	3000 mm (118,1 in)	3750 mm (147,6 in)	3750 mm (147,6 in)	3750 mm (147,6 in)
Q	3530 mm (139 in)	3530 mm (139 in)	5330 mm (209,8 in)	5330 mm (209,8 in)	5330 mm (209,8 in)	5370 mm (211,4 in)	5370 mm (211,4 in)	5370 mm (211,4 in)	6020 mm (237 in)	6020 mm (237 in)	6020 mm (237 in)
R	3880 mm (152,8 in)	3880 mm (152,8 in)	5750 mm (226,4 in)	5750 mm (226,4 in)	5750 mm (226,4 in)	5740 mm (226 in)	5740 mm (226 in)	5740 mm (226 in)	6370 mm (250,8 in)	6370 mm (250,8 in)	6370 mm (250,8 in)
U	1950 mm (76,8 in)	1950 mm (76,8 in)	2310 mm (90,9 in)	2310 mm (90,9 in)	2310 mm (90,9 in)	2310 mm (90,9 in)	2310 mm (90,9 in)	2310 mm (90,9 in)	2310 mm (90,9 in)	2310 mm (90,9 in)	2310 mm (90,9 in)
Z	2300 mm (90,6 in)	2300 mm (90,6 in)	2900 mm (114,2 in)	2900 mm (114,2 in)	2900 mm (114,2 in)	2440 mm (96,1 in)	2440 mm (96,1 in)	2440 mm (96,1 in)	2500 mm (98,4 in)	2500 mm (98,4 in)	2500 mm (98,4 in)

design and photos LORENZ Studio Grafico by www.masterservicelorenz.it

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