



# Construction Machinery







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# A Brand for Total Strategy

With the strength of over 550 employees, the Group has 6 production plants, which occupy a total surface area of over 390 thousand square metres (85,600 of which under roof).

The IMER Group brand boasts an almost complete range of construction machines and equipment.



**IMER France - WORMS Entreprises**  
(Power Generators)  
Paris, France



**IMER Access (Aerial Platforms)**  
Pegognaga (Mantua), Italy



**IMER Equipment**  
(Construction Machinery)  
(Mortar Spraying and Conveying Machinery)  
Rapolano Terme (Siena), Italy



**IMER Group Headquarters**  
Poggibonsi (Siena), Italy



**Concrete Machinery**  
(Batching Plants, Truck Mixers and Pumps)  
Basaldella di Campoformido (Udine), Italy



**Concrete Machinery (Truck Mixers)**  
Aksaray, Turkey



**Construction Equipment**  
(Earthmoving Machinery)  
San Gimignano (Siena), Italy

Ever since 1967, market and export trends pushed the Company to expand on foreign markets, setting up foreign sales branches.

At present there are nine foreign branches in Europe, the United States, Asia and Africa.

A further force behind the Group's expansion is the presence in the major worldwide hire and distribution centres, while in Italy a network of over 1000 dealers ensures widespread market coverage.



Over fifty years of experience in construction combined with an efficient IMER Research and Development Dept. deeply affect the technical features, which computer-aided design transforms into top quality, high performance and long-lasting products.



## High quality components and modern technology

The high professional criteria behind IMER's products call for stringent controls of all incoming materials and components used in production. Quality in machine manufacturing continues with sophisticated technological processes characterised by robotised stations for welding structural works and robotised "multifunctional islands" for some product lines. The production process is completed by the automated painting system, which through the use of polyester resins gives maximum gloss and resistance against mechanical and atmospheric agents.



## Quality and maximum operator safety

Tests in continuous working conditions check the quality of the machines before putting them on the market. Manufactured in full compliance with the Machine Directive, IMER machines are fitted with important safety devices: emergency push-button and electric limit switches. The Owner's Handbook (with spare part tables and EC declaration of conformity), provided with every IMER product, allow for easy and safe operation.



## Products and services on the Internet: [www.imergroup.com](http://www.imergroup.com)

In a modern graphic design, the site [www.imergroup.com](http://www.imergroup.com) presents the commercial and technical aspects associated with the activities of the Imer Group divisions. The site presents the product catalogue complete with tables and specifications and offers users the possibility, in the confidential area, to consult exploded views of the machines, spare part lists and their prices.



## Environmental awareness

The balance between industrial development and environment protection is achieved through ongoing improvement of production processes, packing and pollution control practices.





**A** **IMER MIXING SYSTEM**  
The Imer mixing system is developed through various distinguishing points: the type of large-based drum with reinforcement, the particular geometry of the mixing paddles and the low drum speed. The material mixed, analysed by the system of progressive screens, is homogeneous and well blended.



**B** **BOLTED MIXING PADDLES**  
The mixing paddles are bolted for easy replacement; the drum is more resistant to the risks of breakage, which are higher in correspondence with the welding spots in the case of welded paddles.



**D** **THERMAL PROTECTION**  
All machines with electric motor are fitted with IP 55 switch with no-volt coil. Thermal protection protects the motor against overload; the no-volt coil prevents the machine from being started again inadvertently after a power failure.



**E** **MAXIMUM SAFETY FOR THE OPERATOR**  
All moving parts are adequately protected.

**QUICK DRIVE BELT TENSIONING**  
Tensioning the motor drive belt is easy and safe.



### **C** SPECIAL BUSHINGS FOR RELIABLE TILTING

The arm rotation bushings for tilting the drum are made of special antifriction polyamide material fitted with grease nipple.

They feature high resistance against wear and abrasion and ensure reliability and durability especially in continuous use.

### **O** UTSIDE CONTROLS "WITHIN REACH"

The electric switch and power plug are positioned directly in the tilting control area, so they are always easy to use.



### **F** HIGH RESISTANCE BELT

The motor drive belt is made of high-resistance Poly-V and is housed in the arm compartment of the drum suitably protected by a guard.



### **G** GEARMOTOR

The adoption of the gearmotor ensures protection against accidental overturning and offers maximum safety, eliminating all the possible risks typical of traditional machines.



### **S** TACKABLE FOR STORAGE

All the machines can be stacked to facilitate transport and storage operations.

### **N** ORMATIVE REFERENCES

- Compliance with the requirements of Machine Directive (2006/42/EC)
- Compliance with EEC Directives (2006/95/EC, 2004/108/EC, 2000/14/EC)
- The following Harmonised Standards have been applied: Harmonised Standards EN ISO 12100-1-2, EN 60204-1, EN 12151.

## Standard Equipment

- ✓ Single-phase 230V/50Hz motor (all models) - IP55 switch and no-volt coil
- ✓ Version with Subaru Robin EX 17DU IMER petrol engine 4.2 kW (Syntesi 190, 250, 350), unleaded petrol feed
- ✓ Transmission system with high resistance belt and steel gears in oil bath that are maintenance-free
- ✓ Movement towbar
- ✓ Poly drum version, available on Syntesi 140



**SYNTESI 140**  
with **STANDARD**  
**DOUBLE INSULATION**   
in accordance with Std. EN12151



Syntesi 140 HDPE



Syntesi 140



Syntesi 350

## Applications

Designed and built to solve the typical problems of traditional concrete mixers. The transmission system inserted in the arm and the convenient worm screw tilting system make it noiseless and lightweight, and at the same time sturdy and reliable.

**220V/60Hz SPH**

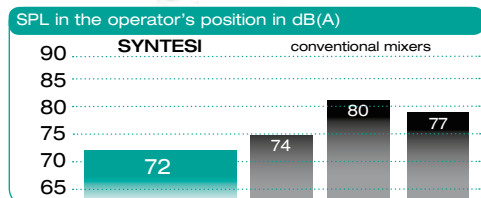
**MOTOR AVAILABLE**

- ✓ Syntesi 140
- ✓ Syntesi 350



### Version with petrol engine

Syntesi 190, 250, and 350  
Subaru Robin EX 17DU IMER (4.2 kW)



### Maximum silence

The new drive system reduces noise and makes the SYNTESI concrete mixers particularly noiseless.



### Shipment and storage

The Syntesi 140 is supplied already packed in a cardboard box.



### Shipment and storage

The Syntesi 190, 250, 300 and 350 can be stacked for transport and storage

		SYNTESI 140	SYNTESI 160	SYNTESI 190*	SYNTESI 250*	SYNTESI 300*	SYNTESI 350*
Drum capacity/batch output**	litres	138/~100	160/~115	190/~160	235/~190	314/~250	345/~280
Drum diameter	mm	610	610	702	702	823	823
Wheel dimensions	Ø mm	200x50	200x50	295x54	370x85	385x90	385x90
Electric motor power rate 230V/50Hz	kW	0.3	0.3	1	1	1.4	1.4
Running current 230V	A	2.2	2.2	5	5	8	8
Petrol engine power	kW	-	-	4.2	4.2	-	4.2
El. motor/petrol eng. SPL in operator's position	dB(A)	72/-	72/-	72/85	72/85	72/-	72/85
El. motor/petrol eng. machine weight	kg	54/-	59	106/125	119/143	173/-	175/186
Machine dim. with electric motor w/l/h	mm	800/1330/1220	800/1330/1280	793/1465/1334	840/1465/1476	930/1610/1575	930/1610/1600
Machine dim. with petrol engine w/l/h	mm	-	-	793/1790/1334	840/1790/1476	-	930/1920/1600

(\*) Available in three-phase 400V/50Hz version on request (\*\*) The mixing capacity varies depending on the type of material and inclination of the drum

# SYNTESI R SYNTESI 350 LA SYNTESI 350RS

Road towable mixers with two pneumatic wheels

## Syntesi R Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor - Positioned in a sheltered compartment, protected from dust and atmospheric agents
- ✓ Version with Subaru EX13 3.2 kW (Syntesi 190R, Syntesi 250R) or Subaru EX17 4.2 kW (Syntesi 350R) petrol engine
- ✓ Transmission system with high resistance belt and steel gears in oil bath that are maintenance-free
- ✓ Towbar for road transportation up to 90 km/h (road towability is valid only in countries where this is allowed)
- ✓ 2 pneumatic wheels

115V/60Hz SPH

MOTOR AVAILABLE

✓ Syntesi 350 LA

## Syntesi 350 LA Standard Equipment

- ✓ Honda GX 160 4 kW or Subaru EX17 4.2 kW petrol engine
- ✓ Transmission system with high resistance belt and steel gears in oil bath that are maintenance-free
- ✓ Towbar for transport around the jobsite (not towable on road)
- ✓ 2 pneumatic wheels

## Syntesi 350RS Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor 1.4 kW
- ✓ Version with Honda GX 160 4 kW or Subaru EX17 4.2 kW petrol engine
- ✓ Transmission system with high resistant belt and steel gears in oil bath that are maintenance-free
- ✓ Towbar for transportation around the jobsite (not towable on road)
- ✓ 2 pneumatic wheels



Syntesi S350 R



Syntesi 350 LA

### Shipment and storage

The Syntesi 350 LA can be stacked for transport and storage

		SYNTESI 190R	SYNTESI 250R	SYNTESI 350R	SYNTESI 350 LA	SYNTESI 350RS
Drum capacity/batch output*	l	190/160	235/190	345/280	345/280	345/280
Drum diameter	mm	702	702	823	823	823
Wheel dimensions	Ø mm	2.50/8"	4.50/10"	135/13"	135/13"	4.50/10"
Electric motor power rate	kW	1	1	1.4	–	1.4
Running current 230V	A	5	5	8	–	8
Petrol engine power	kW	3.2	3.2	4/4.2	4/4.2	4.2
El. motor/petrol eng. LP in operator's position	dB(A)	72/85	72/85	72/83	–/85	72/85
El. motor/petrol eng. machine weight	kg	128/144	160/176	224/232	–/186	215/240
Machine dim. with electric motor w/l/h	mm	1500/1610/1440	1500/1750/1580	1610/2270/1690	–	1225/1875/1600
Machine dim. with petrol engine w/l/h	mm	1770/1610/1440	1770/1750/1580	1910/2270/1690	930/1920/1600	1225/1920/1600

(\*)The mixing capacity varies depending on the type of material and inclination of the drum.

# WORKMAN II

Road towable mixers with two pneumatic wheels

## Workman II 250/350 Standard Equipment

- ✓ Honda GX 160 4 kW or Subaru EX17 4.2 kW petrol engine
- ✓ Transmission system with high resistance belt and steel gears in oil bath that are maintenance free
- ✓ Towbar for road transportation up to 90 km/h (road towability is valid only in countries where this is allowed)
- ✓ 2 pneumatic wheels

## Applications

Designed and built to solve the problems of traditional mixers, the Syntesi R, Syntesi 350RS, Syntesi F, Syntesi 350 LA and Workman II 250-350 are fitted with two or four pneumatic wheels for displacement. The worm screw tilting system protects against accidental overturning of the drum and reduces effort, while the gearbox warrants maximum silence.



Workman II



**Shipment and storage**  
34 units in 40 feet HC container

		WORKMAN II 250	WORKMAN II 350
Drum capacity/batch output	l	235/190	345/280
Drum diameter	mm	702	823
Wheel dimensions	Ø mm	4.50-10"	4.50-10"
Electric motor power rate	kW	-	-
Running current 230V	A	-	-
Petrol engine power	kW	4/4.2	4/4.2
El. motor/petrol eng. LP in operator's position	dB(A)	-/83	-/83
El. motor/petrol eng. machine weight	kg	-/206	-/248
Machine dim. with electric motor w/l/h	mm	-	-
Machine dim. with petrol engine w/l/h	mm	914/1829/1397	953/1943/1422

## Syntesi F Standard Equipment

- ✓ Diesel or petrol engines or 230V/50Hz electric motors
- ✓ Transmission system with high resistance belt and steel gears in oil bath that are maintenance-free
- ✓ Towbar for transport around the jobsite (not towable on road)
- ✓ 4 large-sized ALL TERRAIN pneumatic wheels (front steering)

## Applications

Designed and built to solve the problems of traditional mixers, the Syntesi R, Syntesi 350RS, Syntesi F, Syntesi 350 LA and Workman II 250-350 are fitted with two or four pneumatic wheels for displacement. The worm screw tilting system protects against accidental overturning of the drum and reduces effort, while the gearbox warrants maximum silence.



Syntesi 350 FD  
**Lombardini 15LD350**  
 Diesel engine, 5.5 kW

**Yanmar L48**  
 Diesel engine, 3.5 kW

		SYNTESI 350 FD	SYNTESI 350 FG	SYNTESI 350 FES
Drum capacity/batch output*	l	345/280	345/280	345/280
Drum diameter	mm	823	823	823
Front wheels		4.50-10"	4.50-10"	4.50-10"
Rear wheels		135-13"	135-13"	135-13"
Electric motor power rate	kW	–	–	1.4
Running current 230V	A	–	–	8
Int. combustion engine power	kW	5.5	4	–
LP in operator's position	dB(A)	87	85	72
Machine weight	kg	220	218	210
Machine dimensions w/l/h	mm	950/1920/1600	950/1920/1600	950/1920/1600

(\*)The mixing capacity varies depending on the type of material and inclination of the drum.

## Standard Equipment

- ✓ Single-phase 230V/50Hz motor
- ✓ Gearmotor in die-cast aluminium with gears in oil bath protected by a shatter-resistant plastic housing;
- ✓ Available in the versions with steel drum and poly drum (HDPE)
- ✓ IP 55 switch with no-volt coil and IP 67 plug
- ✓ Electric safety: built to EN 60204-1 double insulation norms, protected against spraying water (IP 55), overload and also against inadvertent starting again after a power failure.
- ✓ Steel mixing paddles
- ✓ Packing: cardboard

**115V/60Hz SPH**

**MOTOR AVAILABLE**

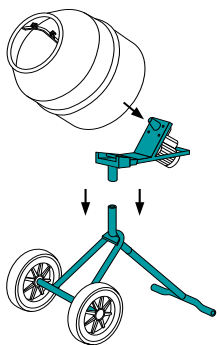
✓ **Minibeta**

## Applications

The simplicity of assembly/disassembly and a low noise level of 63 dB(A) make it particularly suitable for working indoors.



**MINIBETA**  
with **STANDARD**  
**DOUBLE INSULATION**   
in accordance with Std. EN12151



### Simple and fast assembly

Assembly and disassembly of the MINIBETA is simple and takes just 3 minutes. After use it can be split into the 3 main components and put back in the box.

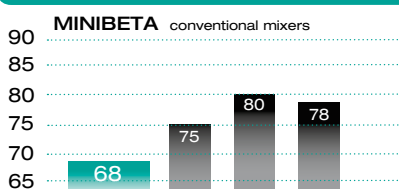
### Electrical safety

Fitted with double insulation, the Minibeta mixer is manufactured in accordance with Std. EN 60204-1 and is protected against spraying water (IP55) and also against overload and inadvertent starting again after a power failure.

### Maximum silence

The Minibeta is extremely quiet. The noise level of 63 dB(A) makes it possible to work indoors without causing bother.

SPL in operator's position in dB(A)



## MINIBETA

Drum capacity	l	138
Batch output	l	~100
Drum diameter	mm	610
Wheel dimensions	Ø mm	250x60
Motor power rate	kW	0.3
Running current	A	2.8
SPL in operator's position	dB(A)	63
Machine weight	kg	55
Machine dim. w/l/h	mm	720/1300/1430
Packing dim. w/l/h	mm	665/665/675



## Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor
- ✓ Gearmotor with steel and technopolymer gears
- ✓ Available in the versions with steel drum and poly drum (HDPE)
  - Electric safety: built to EN 60204-1 double insulation norms, protected
- ✓ against spraying water (IP 55) and against overload and inadvertent starting again after a power failure.
- ✓ Packing: cardboard

## Optional Accessory

- ✓ Rotating pivoting support

**115V/60Hz SPH**

**MOTOR AVAILABLE**

✓ **Rollbeta**

## Applications

It is the lightweight, compact concrete mixer easy to transport, ideal for small building sites or refurbishment work. Its construction features make it suitable for professional use.



**ROLLBETA**  
with **STANDARD DOUBLE INSULATION**   
*in accordance with Std. EN12151*



Rotating pivoting support (optional)

### ROLLBETA

Drum capacity	l	138
Batch output	l	~100
Drum diameter	mm	610
Wheel dimensions	Ø mm	370x60
Motor power rate	kW	0.3
Running current	A	2.3
SPL in operator's position	dB(A)	63
Machine weight	kg	46
Machine dim. w/l/h	mm	660/1170/920
Packing dim. w/l/h	mm	660/730/700

# BIO 2-400

Reversing Drum Concrete Mixer

## BIO 2-400 Standard Equipment

- ✓ Three-phase 400V/50Hz motor
- ✓ Cylinder with hopper fall prevention safety system
- ✓ Pneumatic wheels
- ✓ Water tank with level indicator
- ✓ Side protection guards

## Optional Accessories

- ✓ Scraping shovel with 20 m coiler unit and clutch
- ✓ Side conveyor

## Applications

BIO 2-400 is designed for big building sites. The scraping shovel loading system allows to get a concrete hour production up to 8 m<sup>3</sup>/h.

## Separate loading of water and aggregates

The materials are admitted to the drum separately; this feature improves the quality of the batch, making it more homogeneous and well blended.



### Bio 2-400

Drum capacity	l	400
Mix capacity	l	320
Water tank capacity	l	45
Concrete hour production	m <sup>3</sup> /h	8
Overall dimens. raised LxWxH	mm	1860/2350/2800
Machine weight	kg	930
Motor power rate 400V/50Hz	kW	3
Absorbed curr.	Amp	7.7
Pneumatic wheels		2

### Scraping Shovel

Motor rating 400V50Hz	kW	1.5
Absorbed current	Amps	4
Traction speed	m/sec	0.5
Traction capacity	kg	400
Drum rpm	n/min	63
Steel cable	m	20

## BIO 750/BIO 1000 Standard Equipment

- ✓ Three-phase 400V/50Hz electric motor 4.1 or 5.6 kW (BIO 750)
- ✓ Three-phase 400V/50Hz electric motor 7.5 kW (BIO 1000)
- ✓ Diesel engine version Lombardini 25LD425/2 Electric Starter 14.1 kW (BIO 750)
- ✓ Diesel engine version Lombardini 12LD477/2 Electr. Starter 17.25 kW (BIO 1000)
- ✓ Piston with hopper fall prevention safety system
- ✓ Pneumatic wheels
- ✓ Water tank with level indicator
- ✓ Side protection guards

## Optional Accessories

- ✓ Scraping shovel with 20 m coiler unit and clutch (only for electric models)
- ✓ Side conveyor (only for electric models)

**AVAILABLE ONLY FOR  
NON-EU COUNTRIES**

## Applications

BIO 750 and BIO 1000 are designed for big building sites. The scraping shovel loading system allows to get a concrete hour production up to 18 m<sup>3</sup>/h.



### Scraping Shovel Only for Bio 750 E2/E4 and BIO 1000 E4

Motor rating 400V50Hz	kW	1.85
Absorbed current	Amps	4.6
Traction speed	m/sec	0.72
Traction capacity	kg	257
Drum rpm	n/min	92
Steel cable	m	12

		BIO 750 D2	BIO 750 D4	BIO 750 E2	BIO 750 E4	BIO 1000 D4	BIO 1000 E4
Drum capacity	Liters	750	750	750	750	1000	1000
Mix capacity	Liters	550	550	550	550	600	600
Water tank capacity	Liters	80	80	80	80	80	80
Drum diameters	mm	1300	1300	1300	1300	1300	1300
Drum rpm	rpm	19	19	19	19	19	19
Concrete hour production	m <sup>3</sup> /h	17	17	17	17	18	18
Overall dims. raised LxWxH	mm	3000x2100x3000	3000x2100x3000	3000x2100x3000	3000x2100x3000	3150x2100x3000	3150x2100x3000
Machine weight	kg	1360	1360	1250	1250	1390	1260
Motor rating Electric	kW (Hp)	-	-	4.1 (5.5)	5.6 (7.5)	-	7.5 (10)
Motor rating Diesel	kW (Hp)	14.1 (19)	252525LD425/2	-	-	17.25 (23)	-
Diesel Engine /Motor		Lombardini 25LD425/2 Electr.Starter		400V50Hz		Lombardini 12LD477/2 Electr. Starter	400V/50Hz
Absorbed curr.	Amps	-	-	9.6	12	-	7.2
Pneumatic wheels		2	4	2	4	4	4

## Standard Equipment

- ✓ Three-phase 400V/50 Hz motor or Diesel engine: Lombardini 15LD500 8.1 kW
- ✓ Pneumatic wheels and legs adjustable in height
- ✓ Water tank with level indicator
- ✓ Separate loading of water and aggregates
- ✓ Side protection guards
- ✓ Drum rotation gear guard

## Optional Accessories

- ✓ Scraping shovel with 20 m coiler unit and clutch
- ✓ Side conveyor

## Applications

The mixing system with tilting drum makes it possible to mix different materials like mortars, plasters and concrete.



Scraping shovel and side conveyor



BRO 500  
**Lombardini 15LD500**  
Diesel engine, 8.1 kW

### BRO 500

Drum capacity	l	550
Batch output	l	290
Batches/h	n.	30
Water tank capacity	l	65
Motor power rate 400V/50Hz	kW	2.9 (8.1)
Running current	A	6.4
SPL in operator's position	dB(A)	85
Machine weight	kg	1020
Dimensions w/l/h	mm	1855/2150/3100

### SCRAPING SHOVEL

Motor power rate	kW	1.5
Running current	A	4
Electric cable length	m	20
Steel rope length	m	20
Traction speed	m/sec	0.5
Traction capacity	kg	400
Drum speed	rpm	63
Weight	kg	105



# MORTAR MIXERS



## **A** FORCED-DUTY PLANETARY MIXING SYSTEM

The planetary mixing system allows considerable material batching time saving. For example: to make an 80 litre batch of lean mortar, the Mix 120 Plus takes about 40 seconds.



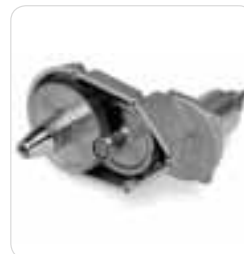
## **B** BROAD RANGE OF MIXABLE MATERIALS

Thanks to the forced-duty planetary mixing system, the IMER mixers can mix a broad range of both dry and wet materials, with low or high viscosity. The paddle cover head distributes the material evenly inside the drum.



## **D** GRID WITH SAFETY SENSOR

For operator safety, an electric device prevents rotation of the paddles when the drum grid is raised. The no-volt coil prevents starting the machine again inadvertently after a power failure. Moving mechanical parts are protected against accidental contact.



## **E** STURDY AND SILENT GEARMOTOR WITH GEARS IN OIL BATH

### **LOW NOISE LEVEL**

The use of the gearmotor with gears in oil bath lowers the noise level, offering a high level of working comfort for the operator.



### **C** EASY DISCHARGE OF THE MATERIAL

Optimized outlet for an easy discharge of the material. The grid protects against accidental contact with the mixing paddles.



### **F** THERMAL PROTECTION

All the machines with electric motor are fitted with protection devices against overloads and inadvertent starting again after a power failure.

### **LEGS ADJUSTABLE IN HEIGHT**

Due to the extensible legs it is possible to adjust the required discharge height and easily empty the batch into a wheelbarrow or plaster sprayer.

### **NORMATIVE REFERENCES**

- Compliance with the requirements of Machine Directive (2006/42/EC)
- Compliance with EEC Directives (2006/95/EC, 2004/108/EC, 2000/14/EC)
- The following Harmonised Standards have been applied: EN ISO 12100-1-2, EN 60204-1, EN 12151.

# MIX 60 PLUS

Compact mortar mixer

## Standard Equipment

- ✓ Electric safety limit switch
- ✓ Switch with IP 55 no-volt coil and IP 67 plug
- ✓ Placing handle
- ✓ 2 standard shatter-resistant poly drums suitable for low temperatures
- ✓ 1 universal paddle
- ✓ Packing: cardboard

## Optional Accessories

- ✓ Paddle for glues
- ✓ Residual current device kit (RCD)
- ✓ Kit with 5 drums

115V/60Hz SPH 220V/60Hz SPH

MOTOR AVAILABLE

✓ Mix 60 Plus

## Applications

Ideal for small building sites or refurbishment work. Lightweight, compact and very quiet, it is suitable for professional use.



Optional paddle for glues

### MIX 60 Plus

Drum capacity	l	56
Mixing performance	l	47
Drum diameter	mm	580
Paddle speed	rpm	55
Electric motor power rate 230V/50Hz	kW	0.55
Running current	A	5
SPL in operator's position	dB(A)	59
Machine weight (packing)	Kg	30 (32)
Dimensions w/l/h (packing)	mm	580/630/795 (585/620/455)

## Standard Equipment

- ✓ Single-phase 230V/50Hz motor – Gearmotor in oil bath and high performance Poly-V transmission belt
- ✓ Electric safety limit switch
- ✓ Thermal-magnetic switch with IP 55 no-volt coil and IP 67 plug
- ✓ Paddle rotation reversing gear
- ✓ Grid with bag-splitting blade
- ✓ Extendable handles
- ✓ Lifting hooks
- ✓ Additional wheels

## Applications

Powerful and versatile, it batches the most difficult products, both traditional and pre-mixed materials thanks to its high power, increased speed and the possibility to reverse the direction of rotation of the paddles.

115V/60Hz SPH

220V/60Hz SPH

MOTOR AVAILABLE

✓ Mix 120 Plus



## Fast and homogeneous batching

Thanks to the forced-duty planetary mixing system the batching time is minimal: batching 80 litres of lean mortar takes about 40 seconds.



## Outlet

(Mix 120 Plus seen from below)  
Optimized outlet for an easy discharge of the material.



### MIX 120 Plus

Drum capacity	l	120
Mixing performance	l	90
Drum diameter	mm	745
Max grain size	mm	8
Paddle speed	rpm	38
Electric motor power rate 230V/50Hz	kW	1.4
Running current	A	9
SPL in operator's position	dB(A)	70
Machine weight (packing)	Kg	130 (139)
Dimensions w/l/h (packing)	mm	745/842/1277 (770/880/955)

# MIX 360 MIX 750

Mortar mixers with high production capacity

## Standard Equipment

- ✓ 2 versions: Three-phase 400V/50Hz electric motor - Honda GXV340 petrol engine 8.1 kW
- ✓ Electric safety limit switch
- ✓ Thermal-magnetic switch with IP 55 no-volt coil and IP 67 plug (version with electric motor)
- ✓ Grid with bag-splitting blades: provides good visibility and protects against accidental contact
- ✓ Pneumatic wheels for excellent on-site mobility

**220V/60Hz** TPH

MOTOR AVAILABLE

✓ **MIX 750**



MIX 360



MIX 750

## Mixing system

New geometry of the mixing paddles for fast and homogeneous batching and an optimum discharging speed. The drum base is generously sized to reduce wear, the mixing paddles are fitted with rubber inserts for cleaning the mixing drum. The "mushroom" guard above the rotation shaft distributes the material evenly in the whole area of the drum. The newly-designed mixing gearmotor ensures torque even in the most demanding batches.



## Applications

They are an optimum answer to working requirements for both bagged pre-mixed materials and silos.



		MIX 360	MIX 750
Drum capacity	l	360	750
Mixing performance	l	200	480
Drum diameter	mm	952	1300
Paddle speed - electric motor/petrol engine	rpm	36/36	35/36
Motor power: electric motor/petrol engine	kW	3/8.1	4/8.1
Electric motor running current	A	7.2	9
SPL in operator's position: electric motor/petrol engine	dB(A)	70/88	70/88
Discharge height: max. - min.	mm	745-445	720-570
Machine weight: electric motor/petrol engine	kg	357/360	720/720
Dimensions w/l/h	mm	1080/1680/1155	1730/2279/1680

## Standard Equipment

- ✓ Single-phase 230V/50Hz motor
- ✓ Electric control panel
- ✓ Hopper with bag-breaker grid
- ✓ Removable mixing chamber
- ✓ Mixing shaft with wear-resistant steel paddles
- ✓ Water system
- ✓ 10-m water hose with quick couplings
- ✓ Fine mortar mixing kit (standard in the Spin 15A Cappotto version)
- ✓ Water pump
- ✓ Packing: in cardboard

## Optional Accessories

- ✓ Fine mortar mixing kit (standard in the Spin 15A Cappotto version)
- ✓ Flow meter kit

## Applications of Spin 15A:

Ideal for quickly mixing premixed plasters, masonry mortars, self-levelling materials and traditional pre-mixed materials in bags. If provided with special optional kit, it is particularly suitable for mixing fine mortar for laying external insulation and tiles. In combination with a plaster sprayer, it can form a single mixing and pumping unit.

## Applications of Spin 15A Cappotto:

Thanks to the specific standard mixer kit, it is suitable for mixing fine mortar for laying external insulation and tiles.

**220V/60Hz SPH**  
**MOTOR AVAILABLE**  
 ✓ Spin 15A



## NO LIMIT WITH BAGGED PRE-MIXED PRODUCTS

- ✓ Plasters
- ✓ Walling mortars
- ✓ Traditional floor screeds
- ✓ Self-levelling floor screeds

Fine mortar mixing kit



Flow meter kit



Spin 15A water pump



Patented IMER gearmotor

		SPIN 15A	SPIN 15A Cappotto
Hopper/drum capacity	l	60	60
Mixing performance	l/min	15-18	7
Mixer/paddle speed	rpm	280	280
Motor power rate	kW	1.4	1.4
Standard water pump	-	yes	yes
SPL in operator's position	dB(A)	<65	<65
Weight (with packing)	kg	78 (82)	78 (82)
Dimensions w/l/h	mm	720/1380/1165-950 (max-min)	720/1380/1165-950 (max-min)
Packing dimensions w/l/h	mm	800/590/830	800/590/830



## **A** GEARMOTOR WITH GEARS IN OIL BATH

The gearmotor unit is made with helical-toothed steel gears in oil bath. The helical-toothing allows quieter running of the gearmotor, while the use of oil as lubricant offers higher protection and lengthens the life of the machine.

## **GUARANTEED AGAINST SELF-ENERGISING**

The self-energising phenomenon, caused by a current failure during the downward movement at full load, tends to increase the speed up to compromising the hoist and support structure. All our hoists are guaranteed against this phenomenon and always keep the downward speed within permissible limits.



## **E** WORK POSITIONING LEVER

The work positioning lever prevents dangerous rotation of the load that occurs during lifting or lowering operations. This device eliminates the risk of uncontrolled movement of the load, reducing risks for the operator and for damage to structures.



## **B** DRUM TRANSVERSE TO THE MOUNTING BRACKET

The steel rope cable drum is installed transverse to the mounting bracket, with the exception of model BE 200; this improves smooth winding and eliminates dangerous accumulation of the rope on one side only, caused by flexing of the support structures.



## **D** DRUM WITH TWO FIXED TURNS OF STEEL ROPE

To warrant higher machine reliability and longer life, the drum is built with a special patented device, which when the metal rope is completely unwound, keeps two turns always wound. This prevents straining the rope attachment point on the drum.



## **RECYCLABLE PACKING**

All Imer hoists are packed in cardboard boxes and kept in place by air cushions to prevent damage during transport.





## C

### UPPER LIMIT SAFETY DEVICE

All hoists are fitted with upper limit safety device with positive drive that stops the upward movement of the load in the highest point.

### ARS DEVICE (ANTI REWINDING SYSTEM)

Models TR 225N and TR 225 VN are fitted with the ARS device. This exclusive, lever/limit switch patented by Imer prevents reversing of the rope winding on the drum and keeps the machine damage-free.

### ELECTRIC CABLES WITH NEOPRENE SHEATH

The electric cables and the pendant control cable type H07RN-F or A07RN-F are coated with Neoprene. This type of cables is advisable in on-site use, as it is highly resistant to mechanical stresses and atmospheric agents.

### CONTROLLED AND GUARANTEED PERFORMANCE

On-site electricity is subject to fluctuations: for this reason the capacity of our hoists is guaranteed for a comprehensive voltage change, from 210V to 235V. A change within these limits does not cause reductions of the hoist capacity.



### NORMATIVE REFERENCES

- Compliance with the requirements of Machine Directive (2006/42/EC)
- Compliance with EEC Directives (2006/95/EC, 2004/108/EC, 2000/14/EC)
- The following Harmonised Standards have been applied: EN ISO 12100-1-2, EN 60204-1.

# RIO 100 ES 150 N

Hoists with capacity 100-150 kg

## RIO 100 Standard Equipment

- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 1.5-m pendant control
- ✓ Self-braking motor brake rectifier
- ✓ Quick coupling hook
- ✓ Adjustable upper tie-rod

## Optional Accessories

- ✓ 0.80 m post attachment ready for fixing with scaffold clamps
- ✓ 1.50 m post attachment ready for fixing with scaffold clamps

## Applications

It is the small, lightweight hoist. Noiseless - <70 dB(A). Easy to install thanks to its quick coupling hook, RIO 100 can be used in different areas of the construction site. Versatile in set-up because of the variety of attachments available.



## ES 150 N Standard Equipment

- ✓ IP67 plug
- ✓ Trolley available for use with a gantry
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 1.5 m pendant control
- ✓ Scaffold clamps
- ✓ Self-braking motor with magnetic device

## Applications

Ideal for operations that do not require frame extension. It can lift materials up to 150 kg.



### RIO 100

Maximum capacity	kg	100
Av. full load lifting speed	m/min	15
Max. working height	m	20
Ø steel rope	mm	3
Rope length	m	21
Motor power rate 230V/50Hz	kW	0.37
Motor speed	rpm	1400
Running current	(A)	4.5
Machine weight	kg	18
SPL in operator's position	dB(A)	<70
Packing dimensions w/l/h	mm	280/300/290

### ES 150 N

Maximum capacity	kg	150
Av. full load lifting speed	m/min	19
Max. working height	m	30
Ø steel rope	mm	5
Rope length	m	31
Motor power rate 230V/50Hz	kW	0.45
Motor speed	rpm	1310
Running current	A	4.8
Machine weight	kg	39
SPL in operator's position	dB(A)	<70
Dimensions w/l/h	mm	330/770/520
Packing dimensions w/l/h	mm	350/820/500

## ET 150 N Standard Equipment

- ✓ Work positioning lever
- ✓ IP67 plug
- ✓ Trolley available for use with a gantry
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 pendant control
- ✓ Self-braking motor with magnetic device
- ✓ Bracket can be extended up to 1120 mm

## Applications

It is ideal for lifting loads up to great heights because it has a high lifting speed (30 m/min). Maximum capacity remains unchanged for the entire arm extension so bulky materials can be lifted without the risk of striking against the structures.

**Ideal for construction sites up to 40 m high.**



✓ High Speed

### ET 150 N

Maximum capacity	kg	150
Av. full load lifting speed	m/min	30
Max. working height	m	40
Ø steel rope	mm	4
Rope length	m	41
Motor power rate 230V/50Hz	kW	0.8
Motor speed	rpm	1370
Running current	A	7.1
Machine weight	kg	48
SPL in operator's position	dB(A)	<72
Dimensions w/l closed (open)/h	mm	330/770(1170)/520
Packing dimensions w/l/h	mm	350/820/550

## TR 225 VN Standard Equipment

- ✓ Work positioning lever
- ✓ IP67 plug
- ✓ Trolley available for use with a gantry
- ✓ ARS upward and downward limit safety device
- ✓ Multipin connector for changing the pendant control
- ✓ Self-braking motor with magnetic device
- ✓ Bracket can be extended up to 1120 mm

## Optional Accessories

- ✓ Low voltage control 24V 30 m
- ✓ Low voltage control 24V 50 m

## Applications

The low noise level allows working without causing noise harmful to the operator's health and bothersome to others. TR 225 VN has a high lifting speed (38 m/min) that allows to rapidly work on construction sites with great heights.

**Ideal for construction sites up to 50 m high.**



✓ High Speed

### TR 225 VN

Maximum capacity	kg	150
Av. full load lifting speed min./max.	m/min	38
Max. working height	m	50
Ø steel rope	mm	4
Rope length	m	51
Motor power rate 230V/50Hz	kW	1.3
Motor speed min/max	rpm	2650
Running current	A	10.1
Machine weight	kg	48
SPL in operator's position	dB(A)	<75
Dimensions w/l closed (open)/h	mm	390/770(1170)/520
Packing dimensions w/l/h	mm	350/820/550

# BE 200 ET 200 N

High capacity hoists – 200 kg

## BE 200 Standard Equipment

- ✓ Work positioning lever
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton pendant control, with emergency button and 16A IP67 EC flying plug
- ✓ Adjustable upper tie-rod
- ✓ Self-braking motor with magnetic device

## Optional Accessories

- ✓ Rigid frame
- ✓ Trolley with brake for the gantry

## Applications

Compact and lightweight, BE 200 can be transported and installed easily. Extremely versatile to install thanks to the variety of attachments available. The standard configuration envisages a bracket with an adjustable upper tie-rod.



## ET 200 N Standard Equipment

- ✓ Work positioning lever
- ✓ IP67 plug
- ✓ Trolley available for use with a gantry
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 1.5 m pendant control
- ✓ Self-braking motor with magnetic device

## Applications

Ideal for operations that do not require bracket extension.



## Standard version

with adjustable upper tie-rod

BE 200		
Maximum capacity	kg	200
Av. full load lifting speed	m/min	20
Max. working height	m	30
Ø steel rope	mm	5
Rope length	m	31
Motor power rate 230V/50Hz	kW	0.75
Motor speed	rpm	1380
Running current	(A)	7.5
Machine weight	kg	30
SPL in operator's position	dB(A)	<74
Packing dimensions w/l/h	mm	250/820/350

ET 200 N		
Maximum capacity	kg	200
Av. full load lifting speed	m/min	19
Max. working height	m	30
Ø wire rope	mm	5
Rope length	m	31
Motor power rate 230V/50Hz	kW	0.75
Motor speed	rpm	1380
Running current	A	7.2
Machine weight	kg	42
SPL in operator's position	dB(A)	<70
Dimensions w/l/h	mm	330/770/520
Packing dimensions w/l/h	mm	350/820/500

## ETR 200 N Standard Equipment

- ✓ Work positioning lever
- ✓ IP67 plug
- ✓ Trolley available for use with a gantry
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 1.5-m pendant control
- ✓ Self-braking motor with magnetic device
- ✓ Bracket can be extended up to 1120 mm

## Applications

ETR 200 N lets you work with a bracket from 720 mm up to 1120 mm. Maximum capacity remains unchanged for the entire arm extension so bulky materials can be lifted without the risk of striking against the structures. The low noise level allows working without causing noise harmful to the operator's health and bothersome to others.

## TR 225 N Standard Equipment

- ✓ Work positioning lever
- ✓ IP67 plug
- ✓ Trolley available for use with a gantry
- ✓ Upper limit safety device
- ✓ Self-braking motor with magnetic device
- ✓ Bracket can be extended up to 1120 mm

## Optional Accessories

- ✓ 3-pushbutton IP65 pendant control 5 m
- ✓ 3-pushbutton IP65 pendant control 30 m - low voltage

## Applications

The low noise level allows working without causing noise harmful to the operator's health and bothersome to others.



### ETR 200 N

Maximum capacity	kg	200
Av. full load lifting speed	m/min	19
Max. working height	m	30
Ø steel rope	mm	5
Rope length	m	31
Motor power rate 230V/50Hz	kW	0.75
Motor speed	rpm	1380
Running current	A	7.2
Machine weight	kg	45
SPL in operator's position	dB(A)	<70
Dimensions w/l closed (open)/h	mm	330/770(1170)/520
Packing dimensions w/l/h	mm	350/820/500

### TR 225 N

Maximum capacity	kg	200
Av. full load lifting speed min/max	m/min	19
Max. working height	m	30
Ø wire rope	mm	5
Rope length	m	31
Motor power rate 230V/50Hz	kW	0.75
Motor speed	rpm	1380
Running current	A	7.2
Machine weight	kg	46
SPL in operator's position	dB(A)	<70
Dimensions w/l closed (open)/h	mm	330/770(1170)/520
Packing dimensions w/l/h	mm	350/820/500

# AIRONE 200 N/300 NEW

Hoists with telescopic arm – capacity 200-300 kg

# ET 300 N

Stand hoist capacity 300 kg

## Airone 200 N/300 New Standard Equipment

- ✓ Work positioning lever
- ✓ IP67 plug
- ✓ Prearrangement for all IMER supports (gantry excluded) on Airone 200 N
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 1.5-m pendant control
- ✓ Self-braking motor with magnetic device

## Optional Accessories for Airone 300 New

- ✓ Prop
- ✓ Ballast container

## Applications

The special machine configuration makes it easy to install thanks to better weight distribution for the operator. The raised loading point simplifies the passing of materials through windows. Airone 200 N and Airone 300 New have an extensible arm up to 1100 mm. Maximum capacity remains unchanged for the entire extension so bulky material can be lifted without the risk of striking the structures.

## ET 300 N Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor
- ✓ IP67 plug
- ✓ Frame with 4 aluminium wheels
- ✓ Upper limit safety device
- ✓ Direct controls with 3-pushbutton 1.5-m pendant control
- ✓ Positioning brake
- ✓ Self-braking motor with magnetic device

## Applications

It ensures maximum reliability and durability. The gearmotor is built with helical-toothed steel gears in oil bath.



Airone 200 N

## Column prop for Airone 300 New

The Airone 300 New has the possibility of a specific optional column prop for hoists with max. capacity of 300 kg.



Airone 300 New



ET 300 N

		AIRONE 200 N	AIRONE 300 New	ET 300 N
Maximum capacity	kg	200	300	300
Av. full load lifting speed	m/min	19	19	19/18
Max. working height	m	30	30	30
Ø steel rope	mm	5	5	5
Rope length	m	31	31	31
Motor power rate 230V/50Hz	kW	0.75	1.1	1.1
Motor speed	rpm	1380	1320	1320
Running current	A	7.5	10	12
Machine weight	kg	45	55	50
SPL in operator's position	dB(A)	72	72	<75
Dimensions w/l /h	mm	350/820/550	350/820/550	330/780/380
Packing dimensions w/l/h	mm	330/850(1100)/625	330/850(1100)/625	350/820/440



Gantry for stand hoists

# PULL UP 450 G 500 G 1000

60 Hz electric motor hoists – capacity 200 kg and 500/1000 kg

## PULL UP 450 Standard Equipment

- ✓ Single-phase 115V/60Hz or 230V/60Hz electric motor
- ✓ Lifting hook with counterweight
- ✓ Prearrangement for use with a gantry
- ✓ Upper limit safety device
- ✓ Down position control lever
- ✓ 24 V command control
- ✓ Pendant control with emergency button
- ✓ Telescopic frame
- ✓ Pivoting frame

## Optional Accessories

- ✓ Scaffold Mount Trolley Track (500 kg)
- ✓ Track Trolley (500 kg)

## Applications

The telescopic arm on Pull Up 450 can be extended up to 1118 mm.

## G 500/G 1000 Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor
- ✓ IP67 plug
- ✓ Frame with 4 steel wheels
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 1.5-m pendant control
- ✓ Positioning brake
- ✓ Self-braking motor with magnetic device



## Applications G 500/G 1000

Thanks to their sturdy structure and powerful motor, G 500 and G 1000 are particularly suitable for heavy duty use on site.

ELECTRIC MOTOR  
SINGLE-PHASE



PULL UP 450



G 500



		SINGLE-PHASE	SINGLE-PHASE	SINGLE-PHASE
		PULL UP 450*	G 500	G 1000*
Maximum capacity	kg	200	500	1000
Av. full load lifting speed	m/min	21	17	8.5
Max. working height	m	49	42	21
Ø wire rope	mm	5	6	6
Rope length	m		43	43
Motor power rate	kW	1.1 (110V/60Hz)	1.5 (230V/50Hz)	1.8 (230V/50Hz)
Motor speed	rpm	1620	1300	1320
Running current	A	14 (115V) / 7.5 (230V)	12	14
Machine weight	kg	58	71	75
SPL in operator's position	dB(A)	79	<72	<72
Dimensions w/l/h	mm	330/800/520	382/800/410	382/800/410
Packing dimensions w/l/h	mm	340/810/540	400/820/440	400/820/440

\* AVAILABLE ONLY FOR NON-EU COUNTRIES



G 1000

# ET 500 N    ET 500 TF    ET 1000

Stand hoists – capacity 500 and 1000 kg

## ET 500 N Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor
- ✓ Swivel hook with leading block with cast iron pulley
- ✓ Double pull rope
- ✓ IP67 plug
- ✓ Frame with 4 aluminium wheels
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton 1.5-m pendant control
- ✓ Positioning brake
- ✓ Self-breaking motor with magnetic device

## Applications

Double pull hoist with transverse drum. High capacity and extremely versatile. The gearmotor is built with helical-toothed steel gears in oil bath.

## ET 500 TF/ET 1000 Standard Equipment

- ✓ Three-phase 400V/50-60Hz electric motor
- ✓ IP67 plug
- ✓ Frame with 4 steel wheels
- ✓ Upper limit safety device
- ✓ Direct control with 3-pushbutton IP65 1.5-m pendant control
- ✓ Positioning brake
- ✓ Self-braking motor with magnetic device



## Applications

Thanks to its sturdy structure and powerful motor, ET 1000 is particularly suitable for heavy duty use on site.



ET 500 N

Double pull rope with cast iron pulley



ET 500 TF



ET 1000

		SINGLE-PHASE	THREE-PHASE	THREE-PHASE
		ET 500 N*	ET 500 TF*	ET 1000*
Maximum capacity	kg	500	500	1000
Av. full load lifting speed	m/min	10	20	10
Max. working height	m	21	42	21
Ø wire rope	mm	5	5	6
Rope length	m	43	43	43
Motor power rate	kW	1.1 (230V/50Hz)	2.2 (400V/50-60Hz)	2.2 (400V/50-60Hz)
Motor speed	rpm	1320	1320	1320
Motor running current	A	10	7	7
Machine weight	kg	50	71	75
SPL in operator's position	dB(A)	<74 (1.5 m)	<72 (1.5 m)	<72
Dimensions w/l/h	mm	340/800/390	380/800/410	382/800/410
Packing dimensions w/l/h	mm	380/810/420	380/810/420	400/820/440

\*AVAILABLE ONLY FOR NON-EU COUNTRIES



ET 500 N on a gantry



## Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor
- ✓ Direct control with 3-pushbutton IP65 5-m pendant control
- ✓ Swivelling bracket
- ✓ Upper limit safety device
- ✓ Self-braking motor with magnetic device

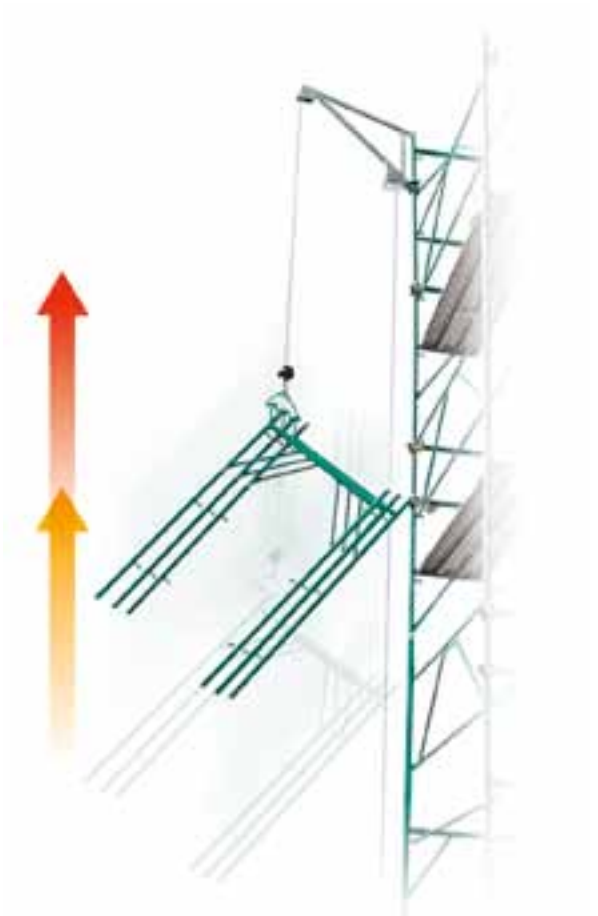
**NEW**

## Applications

It simplifies assembly operations and provides particular technical solutions which differentiate it from traditional hoists. After having put the hoist at the foot of the structure, during use it is sufficient to move the swivelling bracket into the desired position. Versatility and high resistance of the swivelling bracket to atmospheric agents: equipped with quick attachment, adaptors for various types of scaffolds and work positioning lever, it can be also applied at half-structure using the optional scaffold attachment.



Hoists



AP 150		
Maximum capacity	kg	150
Av. full load lifting speed min./max. m/min	m/min	30
Max. working height	m	40
Ø steel rope	mm	4
Rope length	m	81
Motor power rate 230V/50Hz	kW	0,8
Motor speed min./max.	rpm	1350
Running current	A	7,1
Machine weight without bracket	kg	50
SPL in operator's position	dB(A)	<72
Dimensions w/l/h	mm	355/570/330
Packing dimensions w/l/h	mm	410/540/350

# ACCESSORIES for HOISTS



**[ A ]**  
**Scaffold attachment for hoist**  
 For better distribution of the stress on the scaffold caused by using the hoist. Equipped with plate for locking the work positioning lever.



**[ B ]**  
**Internal adjustable prop (2.45 m to 3.3 m)**  
 For using the hoists indoors or where there are no external scaffolding structures; height adjustable from a min. of 2.45 m to a max. of 3.3 m.



**[ C ]**  
**Window prop**  
 Useful at construction sites or for refurbishment jobs with little work space. Easy and quick installation without using assembly tools.



**[ D ]**  
**External prop for hoists with max. capacity 200 kg**  
 To install hoists outdoors without overhanging support points; consisting of an internal adjustable prop and conversion kit with ballast container. Ballast container dimensions: P460xL2500xH415 mm

**Handle for hoist**  
 Useful for transporting the elevator on the construction site. Suitable for the TR-ET-ES-ETR series.



		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Max. capacity with extendible bracket hoist	kg	200	200	200	200
Max. capacity with fixed bracket hoist and swivelling extension	kg	200	200	-	200
Max. capacity with ext. bracket hoist and swivelling extension	kg	150	150	-	150
Weight	kg	18	44	44	85
w/l/h	mm	210/180/1950	540/540/2630	640/340/1320	2505/1400/2630

**[ E1 - E2 ]**

**Gantries with capacity 300 kg (E1) and 500 kg (E2)**

Suitable for all IMER hoists, except for RIO 100, Airone 200N and Airone 300N



**[ E3 ]**

**Gantry with capacity 1.000 kg**



**AVAILABLE ONLY FOR NON-EU COUNTRIES**

**[ E4 ]**

**Transformation kit for 500 kg gantry to 1.000 kg gantry**



**AVAILABLE ONLY FOR NON-EU COUNTRIES**

**[ F ]**

**Swivelling extensions**

- For prop clamp attachment with work positioning lever for Rio 100 (F1)
- For prop hoist attachment with work positioning lever (F2)

For lifting bulky material with fixed bracket hoists, allowing the loading distance to be increased 360 mm; for increasing the loading distance with extendible bracket hoists up to 1,480 mm, with carrying capacity reduced to 150 kg.



**[ F1 ]**



**[ F2 ]**

**[ G ]  
Hoist  
trolley**



**[ H1 ] Two-bucket carrier  
[ H2 ] Four-bucket carrier**



**[ I ]  
Three-way scaffold  
frame lifting hook**



**[ L ]  
Wedge-shaped bucket  
45/90/120 litres**



**[ M ]  
Scaffold  
clamps**



		E1	E2	E3	E4	F1	F2	G	H1	H2	I	L	M
Maximum capacity	kg	300	500	1000	-	100	200	-	70	150	60	150/200/300	200
Weight	kg	-	-	-	-	7	13	8	4/8	3	3	12/15/19	25
Width	mm	2310	2310	2310	1450	120	90	450	340	820	65	400/420/450	-
Length	mm	3170	3280	3310	-	700	680	875	810	820	360	460/615/720	-
Height	mm	2250	2260	2260	2260	445	275	430	450	450	410	310/370/430	-



**A**

## STAINLESS STEEL OR ANODISED EXTRUDED ALUMINIUM CUTTING SURFACE

The COMBI 200VA, 250VA machines have a cutting surface made of anodised extruded aluminium. The C350 iPower machine has a cutting surface made of stainless steel. The cutting surface is normally the part most subject to wear and corrosion as it is constantly in contact with water and highly abrasive materials. Stainless steel and anodised aluminium completely eliminate the risk of corrosion and guarantee high resistance to wear. The holes and fretting of the aluminium on the cutting surface facilitate the flow of water to the tray and eliminate the suction effect of the material.



**B**

## ELECTRIC WATER PUMP

IMER saws are fitted with an electric pump that ensures a constant flow of water to the cutting disk. The water flow is regulated through a special tap to allow correct disk cooling and optimise cutting.



## WATER RECOVERY TRAY

The water recovery tray is made of plastic to prevent any possibility of corrosion. Thanks to the lightweight material used, the tray is also easy to remove from the machine for cleaning. In the Combi 200VA, COMBI 250VA, C350 iPower, M400 Smart, Masonry 750 models emptying can be carried out without removing the tray from the machine.

**D**

## 45° CUTTING

All the machines have the possibility of 45° cutting. The cutting head and travel bar can be sloped in just seconds.

A clamp ensures the stability of the travel bar, keeping cutting accuracy unchanged.

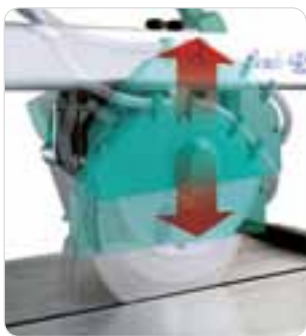


**E**

## MAXIMUM CUTTING ACCURACY

In order to guarantee the maximum cutting accuracy, the travel bar is made of extruded aluminium or steel section bars depending on the models. The runner parts of the cutting head are formed of wheels mounted on sealed ball bearings. This system offers very smooth running and maximum cutting accuracy.





**C** **VERSATILITY**  
 All the machines of the Combi range, starting from the 200 model, have the possibility of vertical cutting for making uninterrupted cuts.



**F** **EASY HANDLING**  
 Depending on the models, all Imer saws are provided with various devices to facilitate machine handling and transport: handles, wheels, guides for the hoist trolley and coupling points for taking from above.



**PACKING**  
 To reduce the risks of damage during transport and to facilitate handling and storage operations, all the machines are delivered with cardboard packing.

**NORMATIVE REFERENCES**

- Compliance with the requirements of Machine Directive (2006/42/EC)
- Compliance with EEC Directives (2006/95/EC, 2004/108/EC, 2000/14/EC)
- The following Harmonised Standards have been applied: EN ISO 12100-1-2, EN 60204-1, EN 12418, EN 1870.

# COMBI 200 VA

Water-cooled tile saw - blade Ø 200 mm

## Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor, 1.5 kW with thermal protection and minimum voltage coil
- ✓ IP 55 switch
- ✓ IP 67 plug
- ✓ Cutting guide
- ✓ Blade Ø 200 mm for tiles - continuous rim
- ✓ Protractor with large support surface
- ✓ Anodised extruded aluminium cutting surface 240 mm
- ✓ Shatter-resistant plastic tray to contain and recover water
- ✓ Stand

## Optional Accessories and recommended blades

- ✓ Side cutting surface
- ✓ Diamond blade Ø 200 mm for tiles - continuous rim
- ✓ Diamond blade SUPER Ø 200 mm for hard gres tiles - continuous rim

## Applications

It is the small portable tile saw with lots of power. Lightweight, compact and handy to use, it is ideal for installers. It offers high cutting capacity: the blade is suitable for all types of material to be cut. Cuts (90°) vertically to the support surface or cuts in tilted position between 90° and 45° (depth adjustment is maintained in all positions). Side cutting surface optional to extend cutting by 240 mm, maintaining stability, due to a bracket bolted onto the stand.

**115V/60Hz SPH**  
**MOTOR AVAILABLE**  
 ✓ **Combi 200 VA**



Rip guide



High cutting capacity



Optional side surface



Direct transmission



Cutting at 45°

### COMBI 200 VA

Blade/bore diameter	Ø mm	200/25.4
Cutting length with (w/out) plunging blade	mm	600(500)
Cutting depth 90° 1 pass/2 passes	mm	40/55
Cutting surface dimensions	mm	700x420
Motor power 230V/50Hz/absorption	kW/A	1.5/9.4
Motor speed	rpm	2800
Water pump	-	IP67, flow rate 13 l/min
Water recovery tray capacity	l	28
Machine dimensions	mm	490/900/480
Packing dimensions	mm	500/950/530
Stand dimensions	mm	480/1060/750
Machine weight (with packing)	kg	33.6 (38)
Stand weight	kg	8.6
Optional surface weight (with packing)	kg	2.34 (4.1)
Side surface bracket weight	kg	0.7
SPL in operator's position	dB(A)	86

## Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor, 1.5 kW with thermal protection and minimum voltage coil
- ✓ IP 55 switch
- ✓ IP 67 plug
- ✓ Cutting guide
- ✓ Blade Ø 250 mm for tiles - continuous rim
- ✓ Protractor with large support surface
- ✓ Anodised extruded aluminium cutting surface
- ✓ Shatter-resistant plastic tray to contain and recover water
- ✓ Stand with two rubber wheels

## Optional Accessories and recommended blades

- ✓ Side cutting surfaces
- ✓ Diamond blade Ø 250 mm for tiles - continuous rim
- ✓ Diamond blade Ø 250 mm SUPER for hard gres tiles - continuous rim
- ✓ Diamond blade Ø 250 mm for bricks/roof tiles/block - segm.
- ✓ Diamond blade Ø 250 mm for granite / stone - segm.

## Applications

It is ideal for cutting ceramic, stone materials, bricks and stone. Lightweight and compact, it ensures maximum cutting precision thanks to its user-friendly structure and the accessories that come with it. It offers high cutting capacity: the blade is suitable for all types of material to be cut. Cuts (90°) vertically to the support surface or cuts in tilted position between 90° and 45° (depth adjustment is maintained in all positions). Side cutting surface optional to extend cutting, maintaining stability, due to a bracket bolted onto the stand.

**115V/60Hz SPH** **220V/60Hz SPH**  
**MOTOR AVAILABLE**  
 ✓ **Combi 250 VA**



COMBI 250 VA		
Blade/bore diameter	Ø mm	250/25,4
Cutting length	mm	760/660 (with/without plunging blade)
Cutting depth 1 pass	mm	66
Cutting depth 2 passes	mm	105
Cutting surface dimensions	mm	500x850
Motor power 230V/50Hz/absorption	kW/A	1.5 / 9.4
Motor speed	rpm	2800
Water pump	-	IP67, flow rate 13 l/min
Water recovery tray capacity	l	36
Machine dimensions	mm	565/1050/480
Packing dimensions	mm	610/1090/525
Stand dimensions	mm	545/1060/750
Machine weight (with packing)	kg	38 (43)*
Stand weight	kg	8.8
Optional surface weight (with packing)	kg	2.6 (4.5)
Side surface bracket weight	l	0.7
SPL in operator's position	dB(A)	86



High cutting capacity



Optional side surface



Cutting at 45°



Rip guide

(\*) With stand

# COMBI 250-1000 VA

Water-cooled tile saws - blade Ø 250 mm

## Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor, 1.5 kW with thermal protection and minimum voltage coil
- ✓ IP 55 switch
- ✓ IP 67 plug
- ✓ Laser pointer
- ✓ Cutting guide
- ✓ Blade Ø 250 mm for tiles - continuous rim
- ✓ Protractor with large support surface
- ✓ Anodised extruded aluminium cutting surface
- ✓ Shatter-resistant plastic tray to contain and recover water
- ✓ Stand with two rubber wheels

## Optional Accessories and recommended blades

- ✓ Side cutting surfaces
- ✓ Diamond blade Ø 250 mm for tiles - continuous rim
- ✓ Diamond blade Ø 250 mm SUPER for hard gres tiles - continuous rim
- ✓ Diamond blade Ø 250 mm for bricks/roof tiles/block - segm.
- ✓ Diamond blade Ø 250 mm for granite / stone - segm.

## Applications

For a quality cut even on large tiles: 300x600 mm, 900x900 mm and over. Max. cutting length 1000 mm. It offers high cutting capacity: the blade is suitable for all types of material to be cut. Cuts (90°) vertically to the support surface or cuts in tilted position between 90° and 45° (depth adjustment is maintained in all positions). Side cutting surface optional to extend cutting, maintaining stability, due to a bracket bolted onto the stand.

**115V/60Hz SPH** **220V/60Hz SPH**

**MOTOR AVAILABLE**

✓ **Combi 250-1000 VA**



Rip guide



OFF button incorporated in the handle



Standard protractor



Cutting at 45°



Standard laser pointer

### COMBI 250-1000 VA

Blade/bore diameter	ø mm	250/25.4
Cutting length	mm	1100/1000 (with/without plunging blade 2 passes)
Cutting depth 1 pass	mm	66
Cutting depth 2 passes	mm	105
Cutting surface dimensions	mm	500x1115
Motor power 230V/50Hz/absorption	kW/A	1.5 / 9.4
Motor speed	rpm	2800
Water pump	-	IP 67, flow rate 13 l/min
Water recovery tray capacity	l	40
Machine dimensions	mm	636/1420/619
Packing dimensions	mm	669/1454/654
Stand dimensions	mm	545/1060/750
Machine weight (with packing)	kg	53 (65)
Stand weight	kg	24
Optional surface weight (with packing)	kg	5.5 (6)
Side surface bracket weight	l	0.6
SPL in operator's position	dB(A)	86

## Standard Equipment

- ✓ Single-phase 230V/50Hz electric motor 2.5 kW
- ✓ IP 55 circuit breaker with no-volt coil
- ✓ IP 67 plug
- ✓ Laser Pointer
- ✓ Blade Ø 350 mm for bricks/roof tiles/blocks - sectors
- ✓ Large protractor
- ✓ Cutting surface in stainless steel
- ✓ Shatter - resistant plastic tray to contain and recover water
- ✓ Handles and wheels for manual handling and loading on vehicles
- ✓ Folding legs

## Recommended blades

- ✓ Blade Ø 350 mm for tiles - continuous rim
- ✓ Blade Ø 350 mm SUPER for hard gres tiles - continuous rim
- ✓ Blade Ø 350 mm for bricks/roof tiles/blocks - sectors
- ✓ Blade Ø 350 mm for granite/stone - sectors s. laser



**CUTTING LENGTH 120 cm**



### User-friendly and easy to use:

- Sound absorption panel inside the blade guard to reduce noise;
- Blade guard easy dismantable by means of two captive knobs;
- Rapid blade replacement through locking system on the drive shaft;
- Water inlet quick release coupling;
- Transportable by a single person.



### Sturdiness and durability:

- **Travel bar** made of extruded aluminium with special profile (no maintenance is required - high resistance against load deformations and torsions);
- 1390 x 696 mm **cutting surface** in stainless steel;
- Shatter-resistant **plastic tray** to contain and recover water, with settling compartments;
- **Submersible pump** protected against deposits;
- Generously-sized **tray plug**.



## Applications

High power saw for cutting marble, bricks and stone. It is designed both for building sites and for the installer. It allows installer to cut tiles up to 1200 mm length with plunge cutting. The C350iPower can be also used in building sites to cut blocks up to 250 mm height with two passes. The tilting cutting head allows for high speed in performing special cuts (45° bevel cut without optional cutting accessories).

**220V/60Hz SPH**

**MOTOR AVAILABLE**

✓ **C350 iPower**



### High cutting quality:

- Cut alignment by means of **3 adjustment points** (travel bar, arms and frame rebate) to keep cutting accuracy unchanged;
- Setting of **cutting height** by means of a simple selector;
- **Cutting head locking system at 90° or 45°** for utmost stability and high cutting accuracy;
- **High cutting depth:** max. 250 mm.



### Maximum safety for the operator:

- Fast travel bar **locking system**;
- **Folding legs**;
- **Handles and wheels** for manual handling and loading on vehicles.



### Top efficiency:

- Special motor with **power rating and torque 40% higher** than similar machines available on the market;
- Motor power is entirely transmitted to blade through the **high resistance belt**, which is adjustment/maintenance free.



C350 IPOWER		
Blade/bore diameter	Ø mm	350/25.4
Max. cutting length (plunge cutting)	mm	1050 (1200)
Max. cutting depth, 1/2 runs	mm	120/250
Cutting surface dimensions	mm	1390x696
Work table height	mm	785
Electric motor power 230V/50Hz	kW	2.5
Motor revolutions	rpm	2800
Running current 230V/50Hz	A	13.5
Water recovery tray capacity	l	40
Machine dimensions w/l/h head down (head up)	mm	760/1746/1410(1535)
Packing dimensions w/l/h	mm	746/1770/1080
Machine weight (packed)	mm	113 (133)

# SMART CUT 350 14"

Water-cooled saw for slabs - blade Ø 350 mm

## Standard Equipment

- ✓ Single-phase electric motor: 230V/60Hz 2.2 kW or 115V/60 Hz 1.5 kW
- ✓ IP55 plug
- ✓ Diamond blade Ø 350 mm for brick/roof tiles/blocks - segments
- ✓ Shatter-resistant plastic tray to contain and recover water
- ✓ Transport handle and wheels for manual handling and loading
- ✓ Folding legs
- ✓ Arm guard
- ✓ Exclusive IMER arm adjustment and locking system
- ✓ Wooden cutting surface
- ✓ Carriage anti-overturning system
- ✓ Large protractor

## Optional Accessories and recommended blades

- ✓ Support for cutting at 45°
- ✓ Diamond blade Ø 350 mm for tiles - continuous rim
- ✓ Diamond blade Ø 350 mm SUPER for hard gres tiles - continuous rim
- ✓ Diamond blade Ø 350 mm for granite / stone - segm.
- ✓ Diamond blade Ø 350 mm brick/ roof tiles / blocks- segm.

## Applications

The Smart Cut 350 14" saw is designed for cutting bricks, stone materials and stones. The tilting cutting head allows for higher speed in performing special cuts like grooves, profiles and cut-outs.

AVAILABLE ONLY FOR  
NON-EU COUNTRIES



### High cutting quality:

- cut alignment by means of an **arm adjustment and locking system**, mainly constituted by a special, purposely designed pivot (patent pending);
- **wooden cutting surface** allowing for better friction of the material to be cut;



### User-friendly and easy to use:

- transportable by a **single person**;
- easy to remove **arm guard** for speedy maintenance of the electric panel;
- **rapid blade replacement** through locking system on the drive shaft;
- **blade guard easily dismantable** by means of two captive knobs;
- **water inlet** quick release coupling.



### Easy loading and handling at the building site:

- **folding legs**;
- **wheels** for manual handling and loading on vehicles



### Utmost operator safety:

- **folding legs with snap opening and closing**;
- carriage **anti-overturning system**;



### Sturdiness and durability:

- shatter and wear resistant **plastic tray** to contain and recover water, with settling compartments;
- **submersible pump** protected against deposits;
- **structural rigidity** for enhanced stability;
- wear resistant **stainless steel carriage guides**;
- generously-sized **tray plug**;



## SMART CUT 350 14"

Blade/bore diameter	Ø mm	350/25.4
Max. cutting length	mm	500
Cutting depth, 1/2 passes	mm	107/204
Cutting surface dimensions	mm	510x410
Work table height	mm	847
El. motor power 230V-60Hz/115V-60Hz	kW	2.2/1.5
Motor speed	rpm	3.400
Running current 230V-60Hz/115V-60Hz	A	11.7/14.4
Water recovery tray capacity	l	40
Machine dimensions w/l/h	mm	722/1186/850
Packing dimensions w/l/h	mm	732/1196/895
Machine weight with packing	kg	102

# M400 SMART

Water-cooled saw for slabs - blade Ø 350 or 400 mm

## Standard Equipment

- ✓ 230V/50Hz direct drive electric motor, 2.2 kW
- ✓ IP67 plug
- ✓ Blade Ø 350 mm, universal-sectors
- ✓ Shatter-resistant plastic tray to contain and recover water
- ✓ Transport handle and wheels for manual handling and loading
- ✓ Folding legs
- ✓ Arm guard
- ✓ Exclusive IMER arm adjustment and locking system
- ✓ Wooden cutting surface
- ✓ Carriage anti-overturning system
- ✓ Large protractor

## Optional Accessories and recommended blades

- ✓ Support for cutting at 45°
- ✓ Diamond blade Ø 350 mm for tiles - continuous rim
- ✓ Diamond blade Ø 350 mm SUPER for hard gres tiles - continuous rim
- ✓ Diamond blade Ø 350 mm for granite / stone - segm.
- ✓ Diamond blade Ø 350 mm brick/ roof tiles / blocks - segm.
- ✓ Diamond blade Ø 400 mm brick/ roof tiles / blocks - segm. (only 230V/50Hz version)

## Applications

The M400 Smart saw is designed for cutting bricks, stone materials and stones. Thanks to the interchangeable blade (Ø 350 or 400 mm), it adapts to the many needs of a building site. The tilting cutting head allows for higher speed in performing special cuts like grooves, profiles and cut-outs.

115V/60Hz SPH

220V/60Hz SPH

MOTOR AVAILABLE

✓ M400 Smart



### High cutting quality:

- cut alignment by means of an **arm adjustment and locking system**, mainly constituted by a special, purposely designed pivot (patent pending);
- setting of **cutting height** for the Ø 350 mm or Ø 400 mm blade by means of a simple selector;
- **wooden cutting surface** allowing for better friction of the material to be cut;
- **high cutting depth** max. 250 mm



### User-friendly and easy to use:

- transportable by a **single person**;
- easy to remove **arm guard** for speedy maintenance of the electric panel;
- **rapid blade replacement** through locking system on the drive shaft;
- **blade guard easily dismantable** by means of two captive knobs;
- **water inlet** quick release coupling.



### Cutting flexibility:

- set up for **blades Ø 350 or 400 mm** (only 230V/50Hz version)



### Top efficiency:

- special motor with **power rating and torque 20% higher than similar motors** available on the market;



### Easy loading and handling at the building site:

- **folding legs**;
- **wheels** for manual handling and loading on vehicles



### Utmost operator safety:

- **folding legs with snap opening and closing**;
- carriage **anti-overturning system**;



### Sturdiness and durability:

- shatter and wear resistant **plastic tray** to contain and recover water, with settling compartments;
- **submersible pump** protected against deposits;
- **structural rigidity** for enhanced stability;
- wear resistant **stainless steel carriage guides**;
- generously-sized **tray plug**;



## M400 SMART

Blade/bore diameter	Ø mm	350-400/25.4
Max. cutting length	mm	500
Cutting depth, Ø 350 blade 1/2 passes	mm	107/204
Max. cutting depth, Ø 400 blade 1/2 passes	mm	129/250
Cutting surface dimensions	mm	510x410
Work table height	mm	847
El. motor power 230V/50Hz	kW	2.2
Motor speed	rpm	2.800
Running current 230V/50Hz	A	12
Water recovery tray capacity	l	40
Machine dimensions w/l/h with lowered/fully raised head	mm	722/1186/1293(1390)
Packing dimensions w/l/h	mm	732/1196/895
Machine weight (with packing)	kg	77 (97)

# MASONRY 750

Water-cooled saw for large-sized slabs - blade Ø 750 mm

## Standard Equipment

- ✓ Three-phase 400V/50Hz (5.5 kW) or single-phase 230V/50Hz (2.2 kW) electric motor
- ✓ IP 67 plug
- ✓ Shatter-resistant plastic tray to contain and recover water
- ✓ Guide rails for forklift and hooking points for lifting
- ✓ 4 Wheels (2 revolving with brake)
- ✓ Cutting height adjustment knob
- ✓ Carriage clamp for transport
- ✓ Carriage pushing handle
- ✓ Side protections

## Optional Accessories and recommended blades

- ✓ Protractor
- ✓ Blade lateral guards
- ✓ Additional table
- ✓ 45° meter guide
- ✓ Diamond blade Ø 750 mm bricks / blocks segm.
- ✓ Diamond blade Ø 750 mm Poroton / stone segm.

## Applications

For cutting large materials like structural stone blocks, cement blocks and stone facing. The sturdy structure of the Masonry 750 and the powerful motor ensure excellent efficiency. The single-phase version is a particularly efficient and versatile machine, for working also in places where there is no 400V/50Hz power supply. The combined cutting action between the downward movement of the cutting head and the horizontal movement of the carriage allows higher speed and accuracy in cutting on large materials or on grooves and profiles. Starting in two steps on the three-phase version (start and run) ensures reliability and durability. The machine is fitted with an emergency button with reset.



**CUTTING HEIGHT 30 cm**



Side protections



Blade lateral guards



45° meter guide



Protractor kit



Additional table



Kit for blade protection

### MASONRY 750

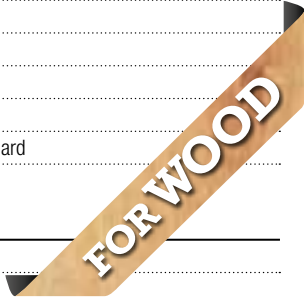
Blade/bore diameter	Ø mm	750/25,4
Cutting length with lowered/raised blade	mm	500/560
Max. cutting height	mm	300
Working surface height	mm	675
Electric motor power 230V/50Hz / Running current	kW/A	2,2/13,3
Electric motor power 400V/50Hz / Running current	kW/A	5,5/12,8
Motor speed 230V/50Hz (blade)	rpm	1440(1010)
Motor speed 400V/50Hz (blade)	rpm	1430(1430)
Machine dimensions	mm	850/1550/1600
Tray capacity	l	80
Machine weight for transport	kg	202
SPL in operator's position	dB(A)	95

## Standard Equipment

- ✓ Three-phase 400V/50Hz (3 kW) or single-phase 230V/50Hz (2.5 kW) electric motor
- ✓ IP55 switch
- ✓ IP 67 plug
- ✓ Emergency push button
- ✓ Adjustable cutting height (H110VR)
- ✓ Steel blade with Widia plates Ø 315 mm x 3.2 Z= 28 teeth with limiting device
- ✓ Protractor
- ✓ Piece pusher
- ✓ Additional snap-mounted rear table
- ✓ Hooking points for hoisting
- ✓ Split pin for locking the blade shaft
- ✓ Mobile transparent polycarbonate blade guard

## Optional Accessories

- ✓ Wheel kit



## Applications

Suited to many applications and needs of wood carpentry cutting at the construction site. The adjustable cutting height (H110VR) and installed power (single-phase and three-phase motors) make it possible to work on wooden planks, site panels and wooden or laminar structural works. Transmission with two trapezoidal belts to reach a max. 110-mm cutting height without transferring motor vibrations to the blade.

**220V/60Hz SPH**

**MOTOR AVAILABLE**

✓ **H110VR**



## Large cutting table

Large cutting table and additional rear table (for long pieces), which can be snapped on without the help of any support.



		H110VF	H110VR
Blade/bore diameter	Ø mm	315/25.4	315/25.4
Blade cutting thickness	mm	3.2	3.2
Cutting depth	mm	110	da 0 a 110
Cutting surface dimensions	mm	700x900	700x900
Size of additional cutting surface	mm	500x740	500x740
Motor power rate 230V 50Hz / 400V 50Hz	kW	2.5/3	2.5/3
Blade speed	rpm	3200	3200
Machine dimensions	mm	720/1640/1000	720/1640/1000
Machine weight	kg	85	85
SPL in operator's position	dB(A)	91	91

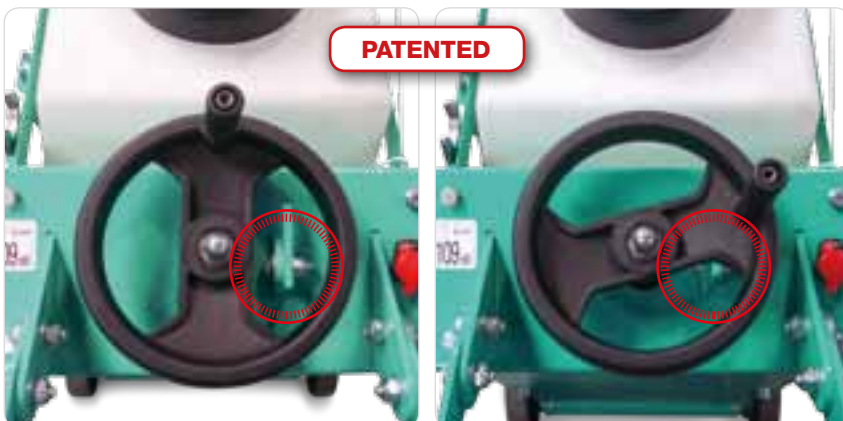
# FLOOR SAWS



**A**

## FAST SYSTEM FOR LOCKING/ UNLOCKING THE HANDWHEEL

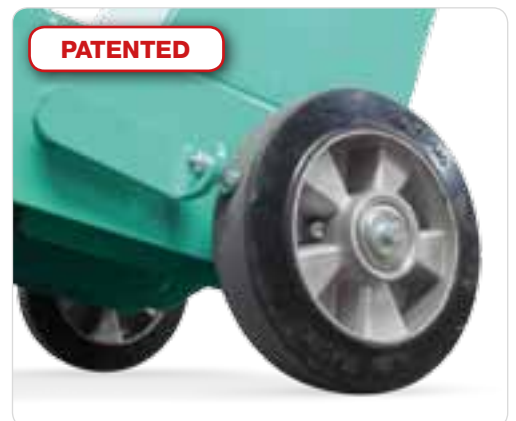
Fast system for locking/unlocking the handwheel that allows to keep the cutting depth set.



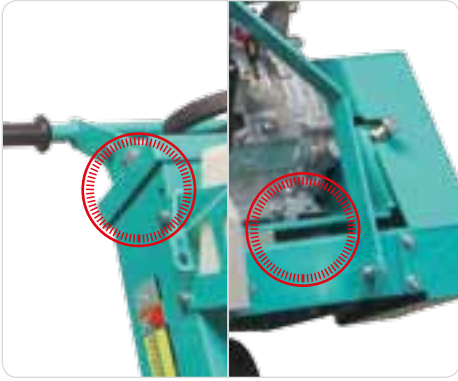
**B**

## AUTOMATIC PARKING BRAKE

Braking system connected to the lifting wheel of the blade. It acts based on the height of the machine.



**C** **DOUBLE VIBRATION DAMPING SYSTEM**  
Vibration damping both of the blade and the engine through vibration dampers mounted on the engine plate and under the support of the handle. Increased ergonomics and comfort for the operator.



**D** **EASY TO HANDLE**  
When the machine is fully up the 2 wheels' axes become very narrow. The resulting perfect balance allows to easily move the machine with minimal effort.



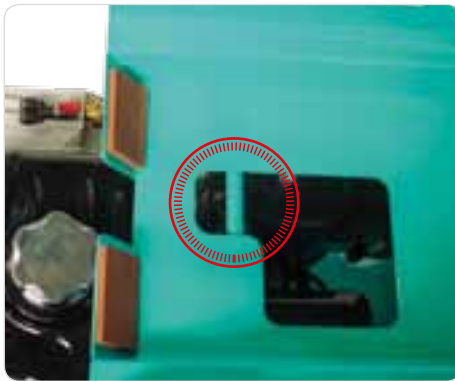
**E** **TRANSMISSION BY POLY-V BELT**  
Quick system to reset the belt tension through the belt tensioner.



**F** **CUT GUIDING ROD**  
Cut guiding rod fixed on two points for better stability and precision.



**G** **LIFTING HOOK**  
Placed under the water tank for the transport of the machine.



**H** **INDICATOR OF THE CUTTING DEPTH**



**I** **WATER TANK (30 LITRES)**  
Made in Polyethylene, with large capacity (30 litres), fixed with quick joint system. Easy positioning and extraction.



**L** **HIGH STIFFNESS OF THE CHASSIS**  
Welded steel chassis with stiffening ribs for an increased stiffness of the structure. The cutting precision is maintained in every working condition.



**M** **EASILY REMOVABLE BLADE GUARD**  
Easily removable blade guard for quick replacement of the cutting blade. Impact protection device for the water connection is integrated on the carpentry.

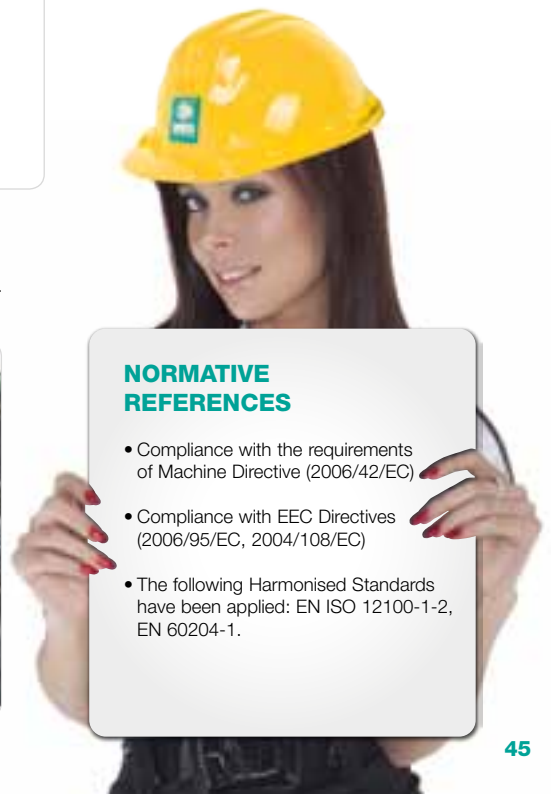


**N** **CYCLONE FILTER**  
Available engine with Cyclone filter, which allows a greater dust filtering (double stage air filtering).



### NORMATIVE REFERENCES

- Compliance with the requirements of Machine Directive (2006/42/EC)
- Compliance with EEC Directives (2006/95/EC, 2004/108/EC)
- The following Harmonised Standards have been applied: EN ISO 12100-1-2, EN 60204-1.



# TERRA 450

Floor saw

## Standard Equipment

- ✓ Honda GX 390 unleaded fuel petrol engine, 8.7 kW
- ✓ Honda GX 390 unleaded fuel petrol engine, 8.7 kW with Cyclone filter
- ✓ IC 39 petrol engine, 8 kW
- ✓ Yanmar L100N Diesel engine, 7.4 kW
- ✓ Removable water tank 30 l
- ✓ Water connection
- ✓ Adjustable handle bar with integrated vibration damping system
- ✓ Cutting depth adjustment system
- ✓ Removable blade guard for cleaning and maintenance
- ✓ **Cutting blade Ø 450 mm asphalt**



## Applications

Lightweight, compact and easy to handle. For small repair and maintenance works of industrial floors or roadways.



### TERRA 450

Engine Power	Honda GX390 / IC39	kW	8,7 / 8
	Yanmar L100N		7,4
Max. engine speed		rpm	3850
Starting		-	manual
Forward drive		-	manual
Blade/bore diameter		mm	450/25,4
Max. cutting depth		mm	165
Max. blade speed		rpm	2900
Max. blade peripheral speed		m/sec	68
Lp in operator's position		dB(A)	91
Machine weight	Honda GX390 / IC39	kg	130
	Yanmar L100N		148
Packed machine weight	Honda GX390 / IC39	kg	140
	Yanmar L100N		158
Dimensions with mounted blade and lifted rod w/l/h		mm	610x1347x1226
Packing dimensions w/l/h		mm	670x1205x1224

### Recommended blades Ø 450 mm



Cement



Asphalt

## Standard Equipment

- ✓ Honda GX 390 unleaded fuel petrol engine, 8.7 kW
- ✓ Honda GX 390 unleaded fuel petrol engine, 8.7 kW with Cyclone filter
- ✓ IC 39 petrol engine, 8 kW
- ✓ Yanmar L100N Diesel engine, 7.4 kW
- ✓ Removable water tank 30 l
- ✓ Water connection
- ✓ Adjustable handle bar with integrated vibration damping system
- ✓ Cutting depth adjustment system
- ✓ Removable blade guard for cleaning and maintenance
- ✓ **Cutting blade Ø 500 mm asphalt**



## Applications

For cutting large concrete and asphalt surfaces.



## Recommended blades Ø 500 mm

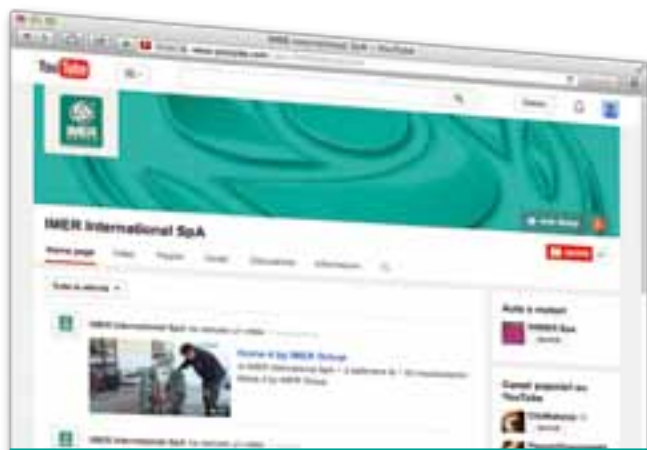


Cement



Asphalt

			TERRA 500
Engine Power	Honda GX390 / IC39	kW	8,7 / 8
	Yanmar L100N		7,4
Max. engine speed		rpm	3850
Starting		-	manual
Forward drive		-	manual
Blade/bore diameter		mm	500/25,4
Max. cutting depth		mm	190
Max. blade speed		rpm	2900
Max. blade peripheral speed		m/sec	75
Lp in operator's position		dB(A)	91
Machine weight	Honda GX390 / IC39	kg	130
	Yanmar L100N		148
Packed machine weight	Honda GX390 / IC39	kg	140
	Yanmar L100N		158
Dimensions with mounted blade and lifted rod w/l/h		mm	610x1376x1235
Packing dimensions w/l/h		mm	670x1205x1224



## Website

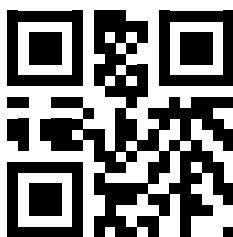
Through the IMER Group website, recently renewed, you can easily access all the IMER Group's products, consult features and technical specifications, view pictures and download the pdf pages of the catalog.

Once registered on the website, you can access the Confidential Area, where you can find the exploded views of the machines and make spare parts online orders, download manuals of the machines or consult other specific technical or commercial information.

***The IMER Group website keeps you always connected with the IMER world!***

[www.imergroup.com](http://www.imergroup.com)

Scan the code and look at the website



## YouTube Channel

The IMER International YouTube Channel is an easy and instant system to view many videos showing how to use the machines on the construction site.

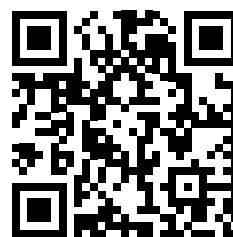
The company, always investing on training activities, provides this channel to show the correct use of the IMER machines and the possible applications.

An additional tool to share the information about our products with our Customers, help them choosing the right product and provide an important support for the best use of the product.

***IMER is always alongside the Customer also with the on-site videos!***

[www.youtube.com/user/IMERinternational](http://www.youtube.com/user/IMERinternational)

Scan the code and look at the videos on YouTube



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