

ENG

# INNOVATIVE WATER PUMPING SOLUTIONS

GENERAL CATALOG  
2018/2019

***Euromachine***  
GROUP FORCE



# INNOVATIVE WATER PUMPING SOLUTIONS

GENERAL CATALOG  
2018/2019

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# YOUR FOCUS IS ON YOUR BUSINESS, LET US TAKE CARE OF YOUR WATERING

## Our groups are your power.

For more than 35 years, we have been delivering high-performance machines for the agricultural and water pumping irrigation sector. We provide innovative motor pump groups with a high added value: the widest possibility of

customization. We know how to listen your needs and translate those needs into customized products, designed for you, in a comprehensive and continuous manner. With an efficient and complete machine service line, you will have the security you need to explore your priorities.

## MACHINE RESULTS

Our numbers speak for themselves. They tell a story of corporate research, innovation, and passion. The results are before your eyes and they are your results as well.

+35

Years of Experience



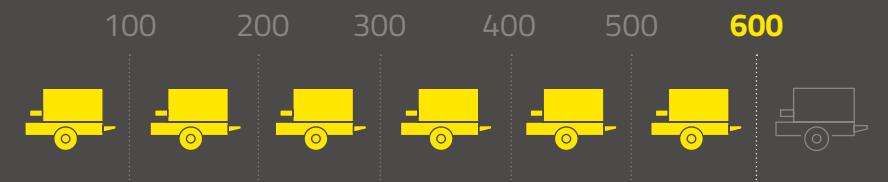
4.000

Active Customers



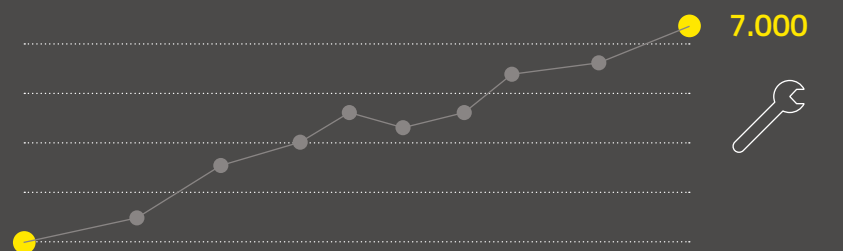
600

Machines Produced per Year



+7.000

Installations over the past 20 Years





# ADDED VALUE OVERVIEW

**Our machines reflect who we are.** They are the competitive product of a family run business. Reliability, performance and customization: qualities that we are proud to represent in products designed and patented by Euromacchine. Made in Italy has become a global brand and reflects a philosophy that combines innovation and high custom-made capability. We make all of our products in Italy, yet our reach is global.



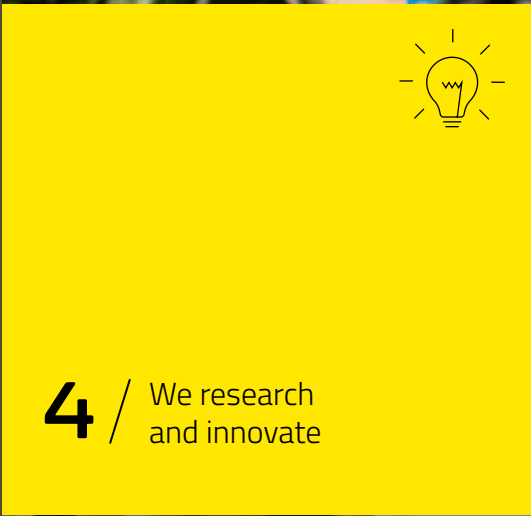
**1** / We are a family run business



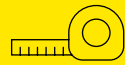
**2** / We produce in Italy and are present worldwide



**4** / We research and innovate



**5** / We design and patent our products



**3** / We manufacture customized products and solutions







# OUR STRENGTH? TEAM UP WITH YOU

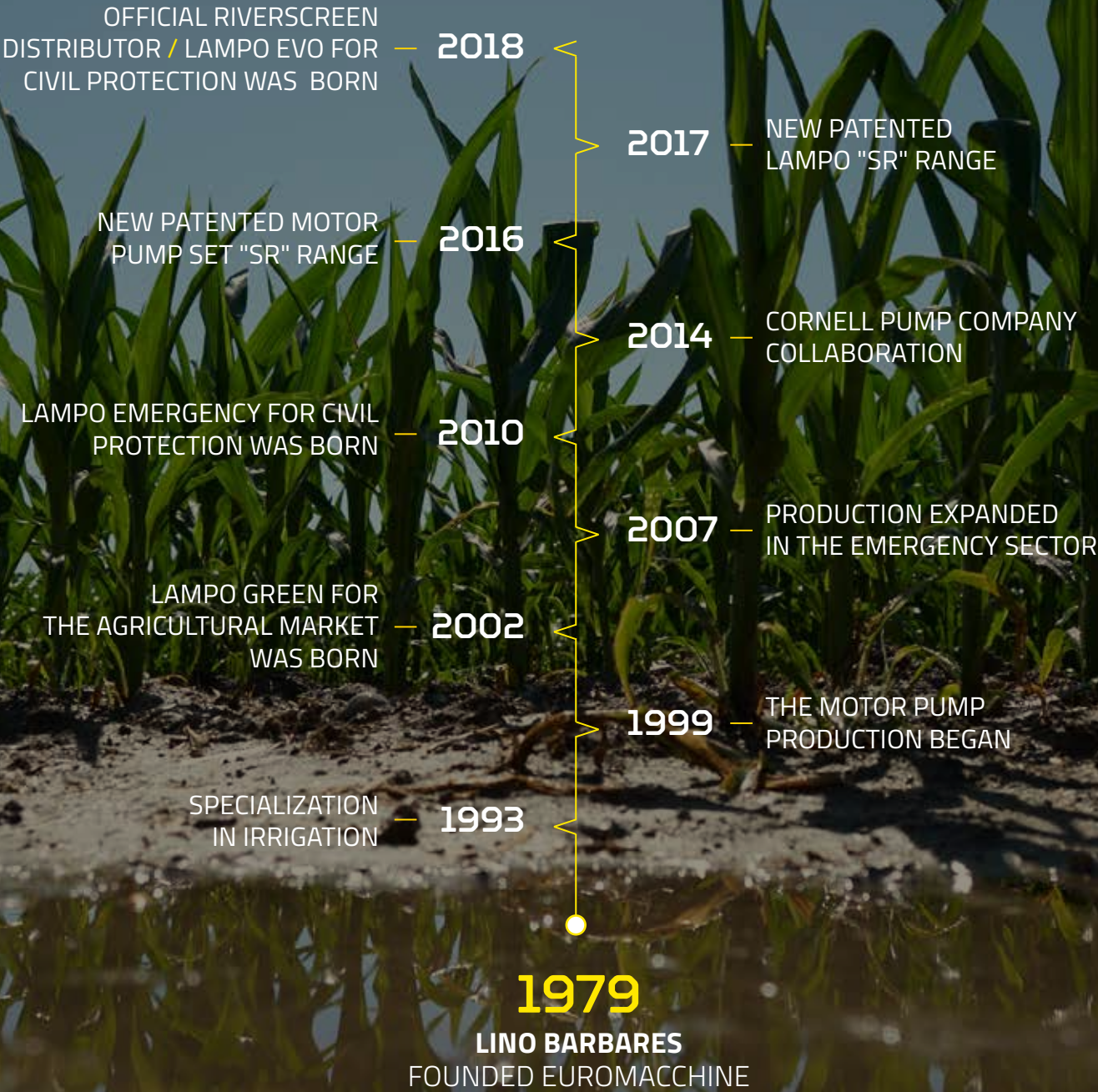
**Be by your side is our task.**

This is our competitive advantage: quality assurance and continuous reliability that's what we offer to our customers. As specialized experts in the agriculture and water pumping sectors even in emergency

situations, we know how important it is to create lasting relationships built on trust and cooperation. This is why our service begins with the initial consultation, installation, service and constant monitoring. Our service goes a long way with you.

## WE GENERATE POSITIVE ENERGY

Our business began over 35 years ago, yet we continue to bring to the equation that fresh energy and initial desire to seek out. This is precisely the spirit that has allowed us to grow and establish ourselves in the market.







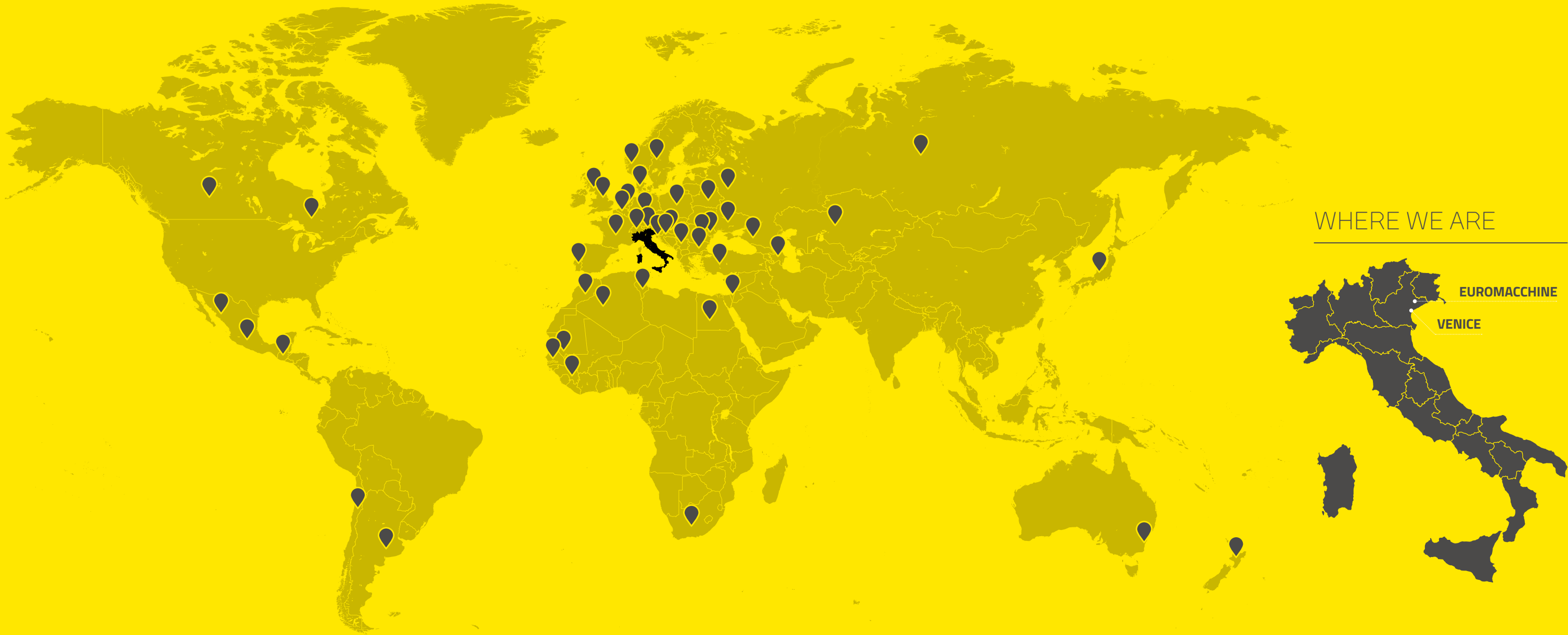


GLOBAL SERVICE FOR  
LOCAL NEEDS IN MORE  
THAN 35 COUNTRIES

**We have built a solid reputation.**  
We have succeeded in ensuring the highest capacity for customization while maintaining the quality and reliability of our products. That is why Euromacchine is present in more than 35 countries around the world. We are just getting started.

IN THE WORLD

France	the Netherlands	Chile	UK	Ivory Coast
Germany	Belgium	South Africa	Ireland	Burkina Faso
Serbia	Austria	Senegal	Sweden	Japan
Croatia	Switzerland	Tunisia	Finland	Australia
Slovenia	Romania	Morocco	Norway	Mali
Hungary	Moldova	Portugal	Kazakhstan	New Zealand
Bulgaria	Ukraine	Equador	Georgia	
Poland	Azerbaijan	Honduras	Egypt	
Russia	Belarus	Costa Rica	Israel	
Denmark	Canada	Mexico	Algeria	



WHERE WE ARE

# COMPANY



HEAD  
OFFICE

**5.000 m<sup>2</sup>**

the total area

**10**

commercial employees



CUSTOMER  
SERVICE

**35+**

countries covered by our  
support team



STOCK  
& JUST  
IN TIME

**15.000**

articles available with  
automated "bar code"  
management system



LEAN  
MANUFACTURING

**5**

multiproduct stations

**600**

machines produced per year







# IRRIGATION

MULTIFUNCTIONALITY, CUSTOMIZATION,  
INNOVATION, REDUCED CONSUMPTION:  
THIS IS OUR POWER

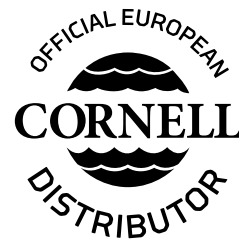
**We have concrete answers to contemporary agriculture needs.** Euromacchine responds to modern pumping problems with a full range of technologically advanced Motor Pump Multifunctional Groups. Our high performance machines combine extensive customization capabilities with the best

market components and innovative design with new and functional solutions. To add to this: our innovative machines offer remarkably reduced consumption. We understand your needs, and support your business.

## IRRIGATION RANGE

- LAMPO GREEN
- MOTOR PUMP GROUPS
- IRRIGATION SYSTEMS





# CORNELL PUMPS. EFFICIENT BY DESIGN

**Cornell clear liquid centrifugal pumps** are found in many agricultural irrigation applications. These pumps are designed to deliver best-in-class efficiency. Depending on operating hours, fuel, and horsepower required, you can save thousands per year in energy costs. Euromacchine offers a large selection of pumps that meet or exceed optimum efficiency standards.

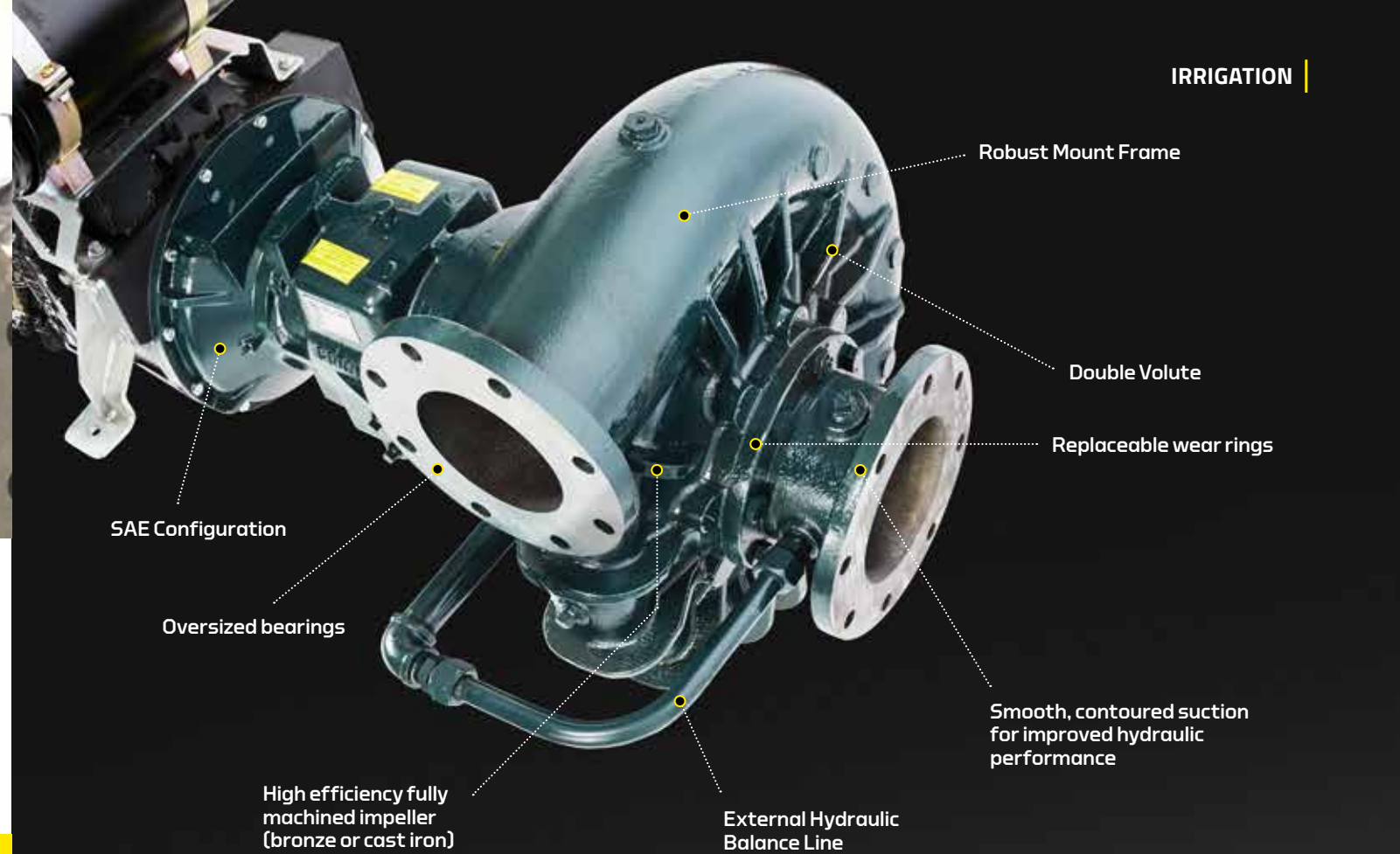
## PRODUCT PLUS



**ENERGY EFFICIENT:**  
LOWER COST OF OPERATION



**INNOVATION FOR LESS WEAR:**  
LESS MAINTENANCE  
LESS PARTS  
LESS DOWNTIME



## TOP QUALITY MATERIALS

All Cornell irrigation pumps are constructed with top quality materials. Cornell irrigation pumps are cast iron, bronze fitted or all iron construction. Optional materials are available for abrasive or caustic applications. Standard features include balanced impellers, heavy-duty shafts, replaceable shaft sleeves, and replaceable wear rings.

## ENERGY EFFICIENCY

Features unique to Cornell pumps, such as Cycloseal, Run-Dry®, and Redi-Prime®, allow Cornell pumps to handle the most demanding applications. These features, coupled with efficiencies up to 89%, are why Cornell is considered the benchmark in agricultural pumps.



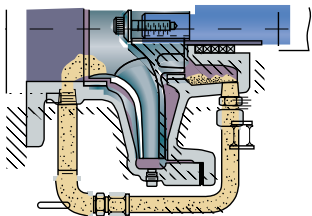
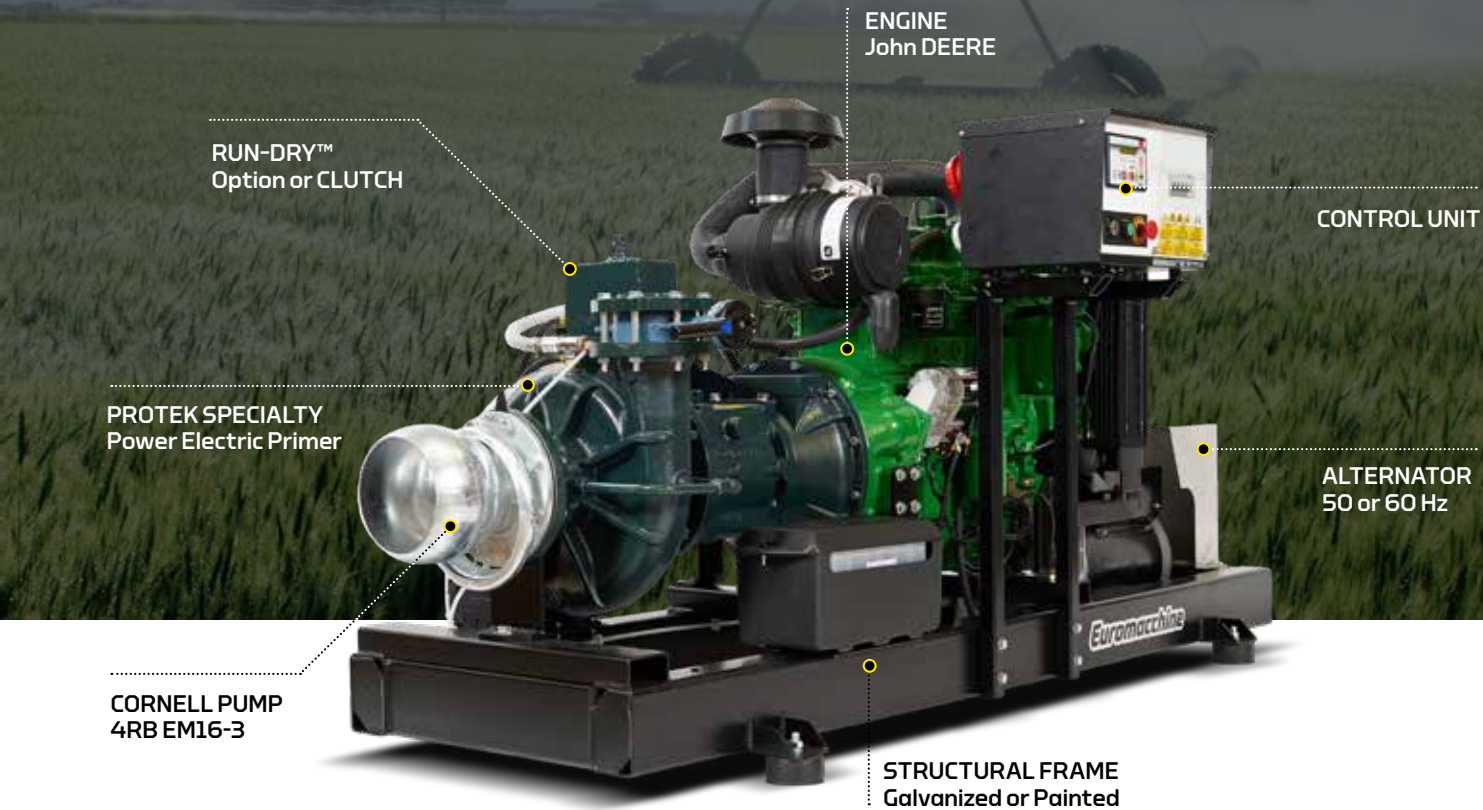


FEATURES  
& BENEFITS

- / Replaceable wear rings
- / Double volute
- / Various mounting configurations
- / Robust mount frame
- / Shower curtain shield on close-coupled models
- / Oversized bearings
- / High efficiency
- / Fully-machined impellers
- / Efficiencies up to 89%
- / Heavy walled castings
- / External balance line
- / Two-year warranty



LINEAR MOTOR PUMP UNIT  
FOR FARM IRRIGATION

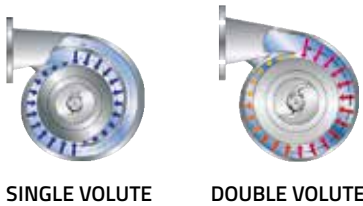


EXTERNAL HYDRAULIC BALANCE LINE

Cornell's external hydraulic balance line equalizes pressure between the impeller hub area and the pump suction to reduce axial loading acting on the impeller, shaft and bearings. The balance line also assists in moving sand and silt from the stuffing box to the low pressure area at the pump suction, reducing wear of the wetted parts.

DOUBLE VOLUTE

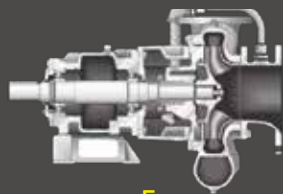
The double volute system effectively balances forces within the pump to reduce radial load, shaft deflection and fatigue. This eliminates shaft breakage and extends the service life of packing and mechanical seals, wear rings and bearings while maintaining high hydraulic efficiency.



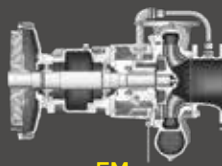
SINGLE VOLUTE

DOUBLE VOLUTE

MOUNTING CONFIGURATIONS



F  
Frame Mount



EM  
Engine Mount



CC  
Close-Coupled



VM/VC/VF  
Close-Coupled  
Frame Mount

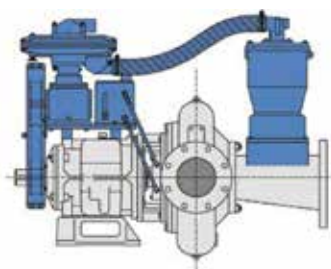
RUN-DRY™

For applications where there is the possibility of the pump operating in dry conditions, Cornell's Run-Dry system is the answer. Cornell's Run- Dry system consists of an auxiliary gland and oil reservoir that keeps the seal faces lubricated and prevents dry running of the seal faces during priming, re-priming, or standby operation. The Run-Dry gland is connected to a lubricant reservoir via inlet and outlet lines such that shaft rotation provides continuous circulation and cooling of the lubricant and seal faces. With the Run-Dry system your pump can run dry for hours without damaging the mechanical seal.



REDI-PRIME®

Cornell Redi-Prime pumps are designed with oversized suctions to provide more flow, reduced friction losses, and higher suction lift. The priming system was designed with the environment in mind. By using a positive sealing float box and a diaphragm vacuum pump, there is no water carry-over to contaminate the environment. With suction lifts of up to 28 feet, heads to 800 feet and flow rates exceeding 20,000 GPM, most Cornell pumps can be readily fitted with the Redi-Prime system.





# MOTOR PUMP EMP "SR" RANGE

## THE REVOLUTION IS HERE

### E-SUPERTANK

with heat exchanger

Euromacchine system protected by an **International Patent** is mounted on the pump delivery and takes out big benefits. **Quality care** on details and **customization** make the SR motor pump unit a unique product in the irrigation world.



**MOTOR PUMP SR Range**  
SuperSilent Version



SUPERTANK «SR»  
Automatic

ELECTRIC VALVE  
12 Volt

CHECK VALVE  
No Return

SPIRAL HEAT EXCHANGER  
In & Out cooling water

### FEATURES & BENEFITS

- / Lower fuel consumption
- / Less absorbed power
- / Lower noise
- / Compact dimensions
- / Manual or automatic filling system
- / Low maintenance
- / Less hassle
- / Less air emission
- / More efficiency

### TECHNICAL SPECS



**PUMP FLOW RATE**  
From 40 to 200 m³/h



**PRESSURE**  
From 6 to 16 bar



**IVECO**



**FPT**



**caprari**  
pumping power

**rovatti pompe**



App Management



## LAMPO "SR" KILLER SUPERTANK & HEAT EXCHANGER + ALTERNATOR & SUBMERSIBLE PUMP



## NEW LAMPO ECO VERSION. THE SMARTEST SOLUTION TO FIGHT LOWERING WATER LEVEL

**LAMPO-SR Killer** is Euromacchine's real revolution. **International Patented Machine.** A new and unique pump station solution. **Lowering water level** is won with LAMPO-SR Killer.

## PRODUCT PLUS

- / Energy & water at the same time
- / Motor pump or Lampo SR
- / Motor pump SR equipped with Caprari/Rovatti pump
- / Supertank automatic or manual version
- / Grundfos electric submersible pump 7,5 kW
- / Alternator 50 Hz – 4 poles
- / Remote control system (GSM)

## TECHNICAL SPECS



**DEPTH**  
Up to 25 m



**WELL Size**  
Minimum 180 mm



**TANK**  
650 l



**GENERATOR**  
20 kVA



**PRESSURE**  
From 6 to 13 bar



**CAPACITY**  
Up to 120 m³/h





# MOTOR PUMP FOR IRRIGATION

CUSTOM SOLUTIONS FOR EVERY  
TYPE OF FLOW

## GENERAL FEATURES

- / Pivot & linear unit
- / Hose reel machine
- / Frost irrigation project
- / Drip irrigation system
- / Transport water solution

## TECHNICAL SPECS



**PRESSURE**  
From 3 to 14 bar



**CAPACITY**  
From 20 to 600 m<sup>3</sup>/h



**TANK**  
From 50 to 1.500 l



**VERSION**  
Open – Silent – Super Silent



**EMP CAPRARI - IVECO**  
CAPACITY: 100 m<sup>3</sup>/h  
PRESSURE: 12 bar



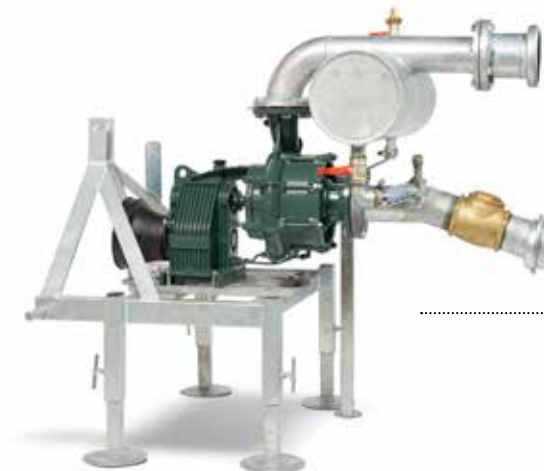
**EMP ROVATTI - DEUTZ**  
CAPACITY: 250 m<sup>3</sup>/h  
PRESSURE: 6 bar



**EMP ROVATTI - KOHLER**  
CAPACITY: 50 m<sup>3</sup>/h  
PRESSURE: 10 bar



**EMP ROVATTI - PERKINS**  
CAPACITY: 35 m<sup>3</sup>/h  
PRESSURE: 7 bar



**CAPRARI Tractor PUMP**  
CAPACITY: 100 m<sup>3</sup>/h  
PRESSURE: 13 bar



**EMP CAPRARI - J.DEERE**  
CAPACITY: 180 m<sup>3</sup>/h  
PRESSURE: 13 bar



# LAMPO GREEN

MANY FUNCTIONS IN A SINGLE MACHINE  
VERSATILE, PRATICAL, SAFE



App Management

Handling with remote control

Control Panel

MOTORS

IVECO



Soundproofed Canopy  
70 dBA

Parking Jack

The patented multifunctional pump unit LAMPO can be used simultaneously as a generator and as a pump with the ability to vary the flow rates and pressure through an inverter. LAMPO Green guarantees the draft of water from wells **with a maximum depth of up to 50 m** and

pumps from **25 to 500 m³/h**. Framed with a wheeled tank of 1000 l or 1500 l and a SUPERSILENT canopy standard, it is available in two different versions: with pipes or with hose, according to requirements.

Panel with Sockets

Socket for Inverter

ELECTRIC PUMPS



Electric Pump Movement System



## LAMPO GREEN Horizontal Pump

LAMPO Green with **Horizontal pump**.  
The right solution when you have to  
pump water from **a river, a lake or a lagoon**.  
A flexible system able to move **pivot and  
pump water at the same time**.



App Management



rovatti pompe

## FEATURES

- / Variable frequency driver on board
- / Possibility to change pump performances
- / Remote control system
- / GSM control
- / Gen-set 24/7
- / Automatic pressure regulation
- / Energy and water at the same time
- / Automatic filling system
- / Supertank filling system available



## LAMPO GREEN Double Pump

Serie DP: Double Pump  
**SUBMERSIBLE Electric Pump**  
**BOOSTER Pump**

In case of **very small well diameter**  
for a standard LAMPO Green the  
solution is the DP.



App Management



rovatti pompe

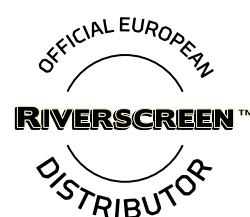
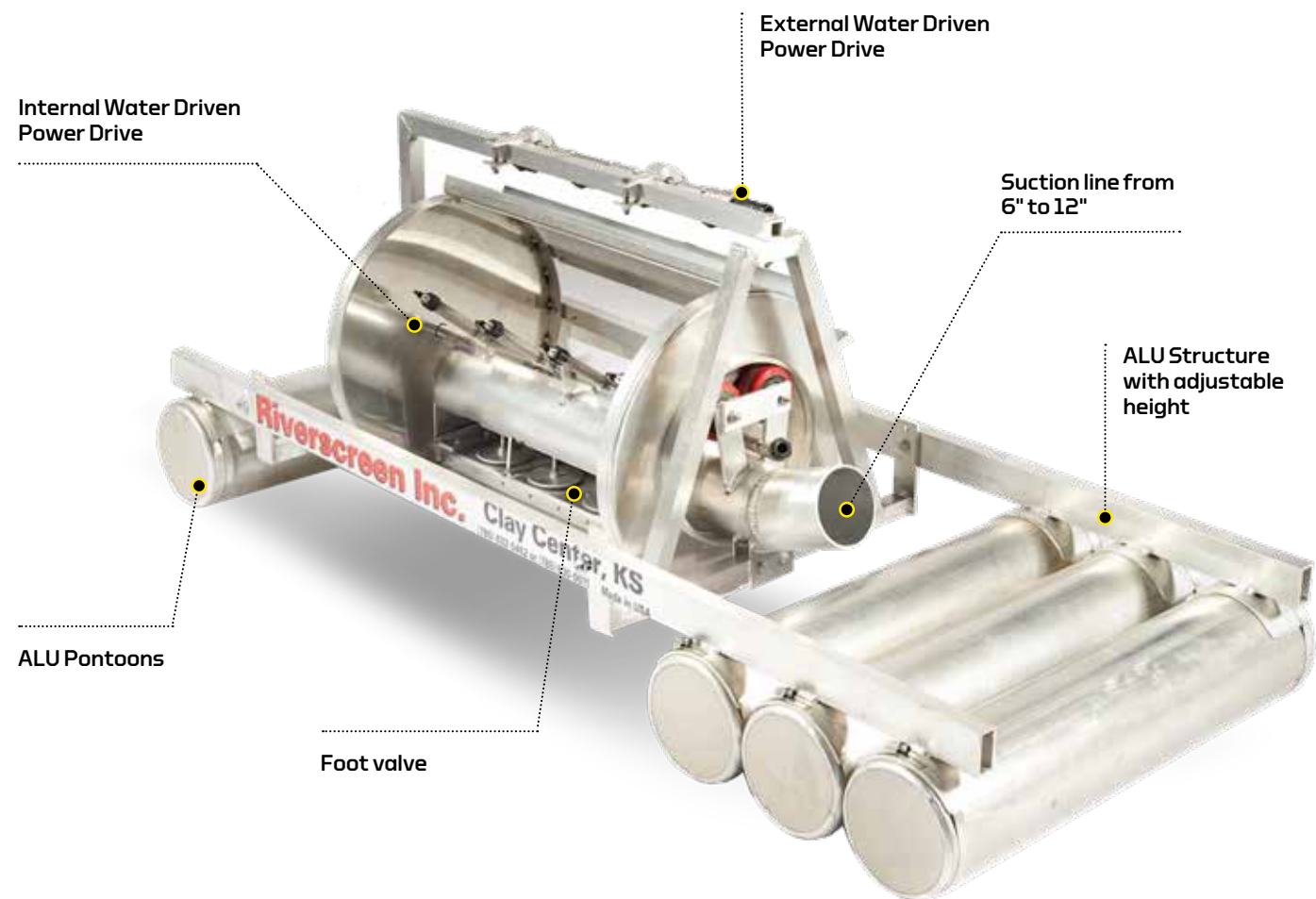


## FEATURES

- / Submersible pump 4"
- / Depth up to 25 m
- / Booster under variable frequency driver
- / Suck water from well or river
- / Remote control system available
- / Start – stop – regulation by smartphone







## A ROTATING, WATER DRIVEN, SELF-CLEANING SCREEN THAT DEPENDABLY DELIVERS GOOD WATER FROM DEPTHS AS LOW AS 4"

A rotating **water-driven self-cleaning screen** that dependably delivers good water from as little **as 4 inches in depth!** The ideal solution for the operation depends upon river or canal water sources for pivot irrigation systems.

**RIVERSCREEN is built for shallow water pumping - prevents sand problems.** Low maintenance operation. Standard on all Riverscreens is a **#8 304 stainless steel mesh**. Other sizes available upon request.

## RIVERSCREEN™ DEPENDABLE WATER SUPPLY SELF-CLEANING OPERATION

The ideal solution for any operation which depends on river or canal water sources for pivot irrigation systems. Riverscreen is built for shallow water pumping to prevent sand problems.

Standard on all Riverscreen models is #8 304 stainless steel mesh. Other sizes available upon request. The optional power drive unit keeps drum turning in slow moving currents (uses approx. 6 gpm).

## OPTIONAL LIFTING BOOM

- / Galvanized for long life
- / Heavy 6" upright main pipe
- / Trussed boom for greater strength
- / Brake winch for ease of operation
- / Quick latch hook for easy hookup

## OPTIONAL POWER DRIVE

- / Keeps drum turning even in slow moving current or still water
- / Only requires 6 gpm








# SLURRY PUMPS FOR TRANSFER INJECTION & IRRIGATION

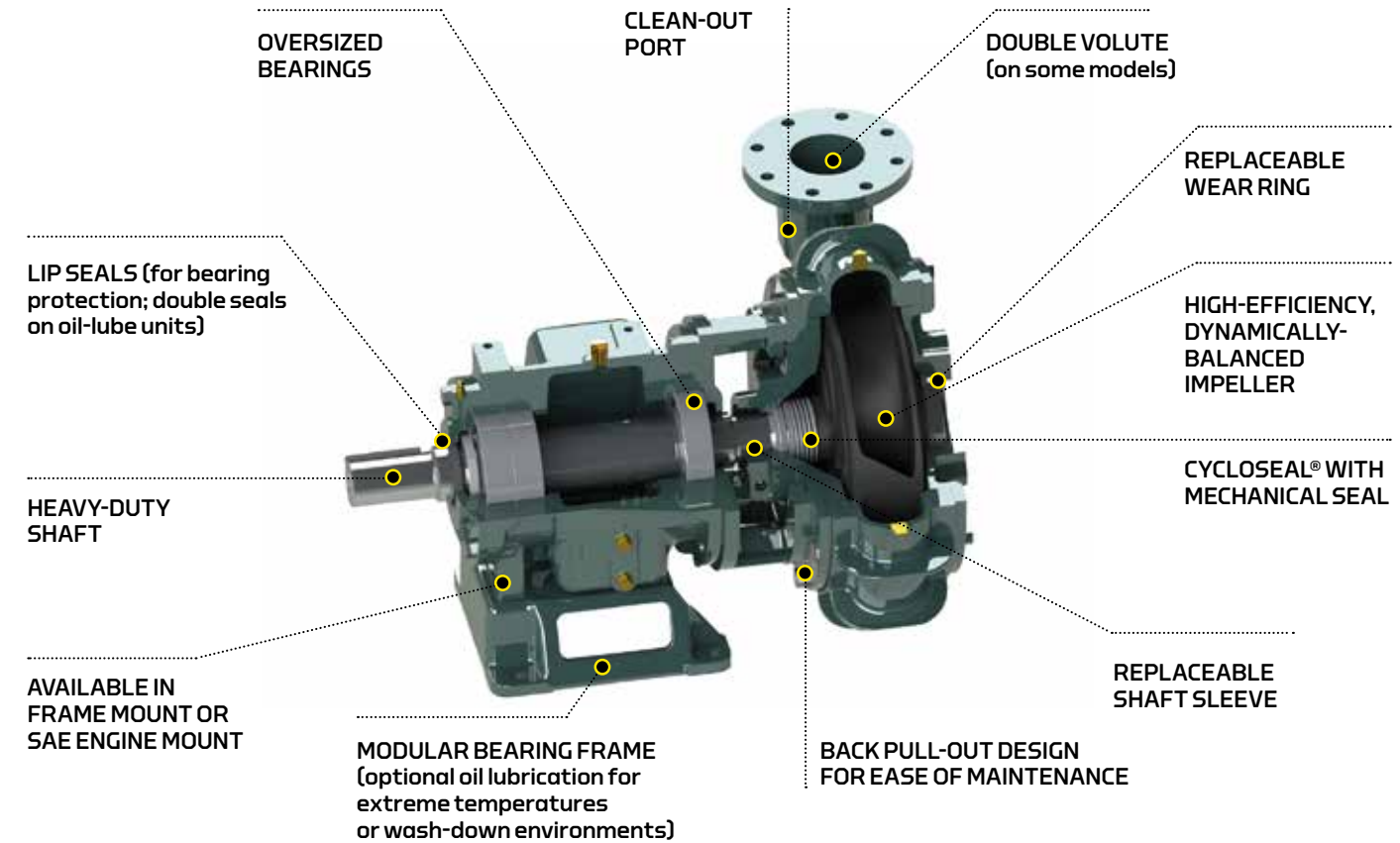


## FEATURES & BENEFITS

- / High hydraulic efficiency
- / Rigid, heavy walled construction
- / Large bearings and shaft
- / Impeller backvanes reduce axial thrust
- / Low maintenance, long life
- / Solid handligs capability
- / Low power costs
- / Ease of maintenance
- / Smooth operating
- / Versatile configuration
- / Extended seal life

## TECHNICAL SPECS

-  **PRESSURE**  
Up to 145 m
-  **CAPACITY**  
Up to 8.600 m3/h
-  **TANK**  
From 650 lt to 1500 lt
-  **VERSION**  
Open - Silent
-  **MAX SOLIDS HANDLING**  
90 mm - 3"



## CORNELL SLURRY SERIES

Resistance & long life

Cornell Pump Series combines 70 years of innovative pump manufacturing and design.

Offering high operating pressures, pumps are specifically designed for coarse abrasive slurry applications such as sand, gravel, and manure.

Cornell Manure Slurry pumps are iron or ductile iron construction with hard face mechanical seals for extended seal life. Optional materials are available for abrasive applications.



# GROWING AS GROUP FORCE



## EUROMACCHINE PUMP SCHOOL

- / Test all our topic products
- / Share 38 years of experience
- / Know our mentality
- / Maximize your pump solution
- / Create efficiency all together
- / Discuss how to grow in the future
- / Find new solutions
- / Resolve old problems

# JOIN EUROMACCHINE PUMP SCHOOL!

**Euromacchine Pump School** is held by our technicians who share what they have learned over their past experience and show you the best ways to analyze the problem and find the right solution.

During the lessons, you will have the possibility to access our new **Test Area** where we test all the assembled machines and check water pressure parameters.

Regular topics are basic hydraulics, pump selection, control unit management, remote control of the motor pump unit via GSM, troubleshooting.

Private lessons are organized according to the needs and suggestions of the attendee. We believe Pump School can offer customers the knowledge and equipment to maximize their profit potential.



## FEATURES & BENEFITS

- READ Pump Curves
- DISCOVER Friction loss
- KNOW NPSH
- REACH Quality of Life Topics
- BELIEVE in Safety Features
- STUDY best application Process
- DO Service & Usage



## HOW TO SIGN UP FOR EUROMACCHINE PUMP SCHOOL?

You can send an e-mail to [info@euromacchine.it](mailto:info@euromacchine.it) and you will be contacted directly by our Customer Service. The Pump School will be held during Autumn and Winter season.



## EUROMACCHINE TEST AREA

- / Test all our topic products
- / Play with our new test room
- / Reach the target of your unit
- / Test before working in the field







# EMERGENCY

IN A GROUP WE ARE ALL SAFER

**The emergency sector is a constant challenge.** We interpret this literally. We challenge ourselves every day in the design of machines that guarantee a higher standard of safety and capacity. Here's how they are born: our Multifunctional Motor Pump Units, our Lighting Towers and our Generating Sets. Our tools are used by the Civil Defense and Fire Brigades for their

efficiency, capacity and reliability. Our unique range of products currently on the market are: Lampo - which offers a maximum multi-functional power and versatility, Motor pump units, Lighting Towers and Generating Sets. Our tools are used by the Civil Defense and Protection Groups for their efficiency, capacity and reliability. In an emergency our strength becomes your guarantee of safety.

## EMERGENCY RANGE

- LAMPO EMERGENCY
- MOTOR PUMP UNITS
- GENERATING SETS
- LIGHTING TOWERS



# LAMPO EMERGENCY

THE ESSENTIAL TOOLS TO FACE CRITICAL SITUATIONS, ALL IN A SINGLE MACHINE



Multifunctional unit LAMPO Emergency system joins in one single machine 5 fundamental instruments for the prompt action: generator, tower light, self priming pump, air compressor and fast-trolley. Studied to be used in any case of natural disasters, Lampo is synonymus of versatility and permits to take action in all challenges. It is available in various

standard from **10 to 60 kVA**, with self-priming electric pump from **1600 to 6000 l/min** and tower light with metallic halides, LED or halogen lamps. Lampo is an highly configurable system and custom request is a new challenge to continue improving and growing in the emergency field.





LAMPO  
EMERGENCY Range



CHARACTERISTICS

MODEL	ALTERNATOR		PUMP				TOWER LIGHT		WEIGHT
	[kWA]	[kW]	Model	[m³/h]	[l/min]	ø Solids [mm]	h Open [mm]	Lights	
LAMPO 01 PC	10	8	4"-100	100	1650	38	6000	LED or Halogen	1150
LAMPO 02 PC	15	12	4"-100	160	2650	50	6000	LED or Halogen	1300
LAMPO 03 PC	20	16	6"-150	300	5000	76	6000	LED or Halogen	1550
LAMPO 04 PC	30	24	6"-150	300	5000	76	6000	LED or Halogen	1950
LAMPO 05 PC	60	48	6"-150	300	5000	76	6000	LED or Halogen	2150

LAMPO EVO  
THE EVOLution IS HERE  
YOUR SOLUTION FOR EVERY SECTOR

After years of experience with Lampo Emergency, here's its EVOLution. Lampo EVO is the only machine that can be adapted and used in every sector:

- Mining
- Agriculture
- Building
- Manure
- Municipality





# SELF - PRIMING MOTOR PUMP SETS

FOR ALL KIND OF FLOWS,  
ALSO IN EXTREME CONDITIONS

The self priming motor pump sets at low pressure are perfect for every emergency conditions, thanks to its **distinctive design and the practical dimensions.**

All motor pump sets are **highly customizable** to satisfy every use and requirement. Available with engine or electric version for **all flows up to 1500 m³/h.**

## SELF PRIMING MOTOR PUMP SETS BIG Range



Soundproof  
MOTOR PUMP SET  
300 m³/h

**Flow from 150 to 1500 m³/h**  
**Pressure up to 40 m**

- Diesel engine
- Open or soundproof version (70 dBA at 7 m)
- Rapid ignitions and easy installation
- High resistance to abrasive liquids
- Wide range of customization
- Suction and delivery from 4" to 12"



Soundproof  
MOTOR PUMP SET  
800 m³/h



## SELF-PRIMING MOTOR PUMP SETS CORNELL STH & STX SERIES

### EFFICIENT, DURABLE, INNOVATIVE

The Cornell Self-Priming Line exceeds the efficiency ratings of the competition by multiple efficiency points, without sacrificing lift capability. This improvement translates into energy cost savings over the life of the pump.



## FEATURES & BENEFITS

- / Cornell CYCLOSEAL® Sealing system
- / 5 years warranty
- / 17-4 PH stainless steel shaft
- / High efficiency design
- / Adjustable wear plate
- / Ductile iron construction
- / High Rpm capacity









[WWW.EUROMACCHINE.COM](http://WWW.EUROMACCHINE.COM)