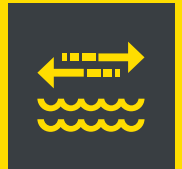


We pump. You work. In a better way.

WATER TRANSFER

Innovative pumping solutions for dewatering, wastewater, slurry and emergency applications.



TEAMING UP TO WORK BETTER AND SAFER

EUROMACCHINE WATER TRANSFER AND EMERGENCY PRODUCTS



INNOVATIVE PRODUCTS

- Research & development
- Design & patenting



MADE TO YOUR NEEDS

- Highly customized solutions and tailor-made products

Water transfer is a constant challenge. We interpret this literally by challenging ourselves everyday in the design of machines that guarantee a higher standard of safety and performance.

Euromacchine developed over the years multiple **pumping solutions** to meet general or specific customer's requirements in different markets, all around the world. Our wide range of products are recognized for their **efficiency, robustness and reliability**.



INDEX

ARDITA



LAMPO



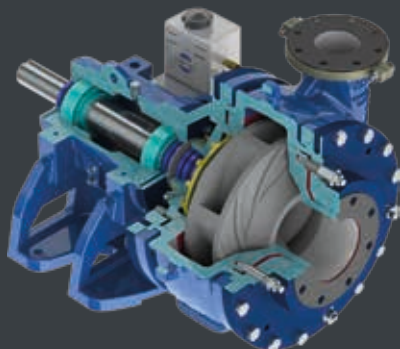
SELF-PRIMING



CAIMANO



CORNELL PUMPS



RIVERSCREEN



ARDITA™ SERIES

FOR DEWATERING, WASTEWATER AND SLURRY APPLICATIONS



- Robust construction
- Increased serviceability
- Top quality
- Energy saver



- Integrated digital control
- Packaging modularity
- Highly connected device
- Solids handling capacity

When you need the impossible, we have the right solution, with high-volume diesel and electric pump units you can reach up to 7,500 m³/h and very high heads up to 275 meters. Quality and efficiency are guaranteed by the Cornell pump brand.

There are many unique features, such as **Cycloseal**, **Run-Dry®** and **Redi-Prime®**, which enable Cornell pumps to handle the most demanding applications. These features, along with **efficiencies up to 89%** are the reasons why Cornell is the benchmark in the water transfer pump industry.

TECHNICAL SPECS



CAPACITY
Up to 7,500 m³/h



PRESSURE
Up to 275 m



SOLIDS HANDLING
Up to 133 mm - 5.25"



DISCHARGE FLANGE
Up to DN600 - 24"

APPLICATIONS



PUMP FEATURES

D-ARDITA
SUPER SILENT



COMAP INTELIGEN 500

The advanced control unit with high resolution display and a wide variety of functions. Connected to the WebSupervisor app, it offers GPS location with complete and fast control of your pumps.



CORNELL
Pulse™

CORNELL PULSE™

Standard device measuring pump vibration severity and temperature in real time connected via bluetooth from your mobile app.



PUMP SET FEATURES

E-ARDITA
SUPER SILENT

VFD
VARIABLE SPEED



ROBUST CANOPY DESIGN



DUAL FLOATS FOR AUTO START & STOP



TOWING AND LIFTING HOOKS



GALVANIZED BASE FRAME



WORKING LIGHTS

SPACE SAVING
STACKABLE DESIGN



VERSIONS AND CONFIGURATIONS



d-ARDITA SUPER SILENT

- Robust base and canopy designs
- High efficiency diesel engines
- Double skin banded fuel tank
- High soundproofing standards
- Multiple access doors and panels



d-ARDITA ROOF

- Balanced lifting bail
- Protective roof structure
- Banded fuel tank preventing spills
- Forklift pockets and towing hooks
- Multiple pump discharge flange positions



e-ARDITA SUPER SILENT

- Robust base and canopy designs
- High efficiency electric motors
- Integrated variable speed drive and controls
- High soundproofing standards
- Multiple access doors and panels



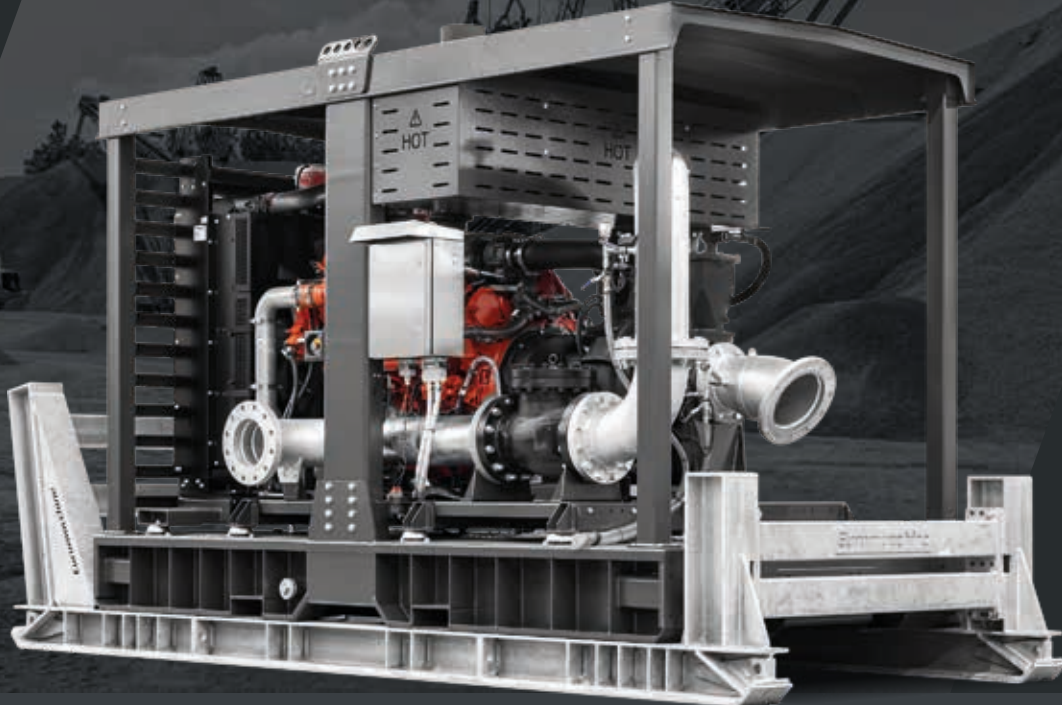
e-ARDITA OPEN

- Hot dip galvanized base frame
- Forklift pockets and towing hooks
- Super premium efficiency motors
- High quality flexible coupling
- Multiple pump discharge flange positions



ARDITA™ MINING SERIES

FOR HIGH HEAD DEWATERING AND SLURRY MINING APPLICATIONS



- High quality materials
- Heavy-duty mining sled
- Resistant to harsh environments
- Easy maneuverability



- Integrated digital control
- Less downtime
- Designed for mining applications
- Solids handling capacity

Ardita Mining, our cutting-edge mining pump designed to deliver exceptional performance in the most demanding mining applications. Engineered to achieve **high flow rates** and **extreme pressures**, it is the ultimate solution for your mining operation's dewatering needs.

Ardita Mining pump sets serve your dewatering needs in open pit or underground mining environments. High quality pump ends handle **all types of liquid**, from **clear water to high density slurries, corrosive or abrasive**.

TECHNICAL SPECS



CAPACITY

Up to 3,200 m³/h



PRESSURE

Up to 400 m



SOLIDS HANDLING

Up to 89 mm - 3.50"



DISCHARGE FLANGE

Up to DN300 - 12"

APPLICATIONS



VERSIONS AND CONFIGURATIONS



d-ARDITA MINING

ROOF

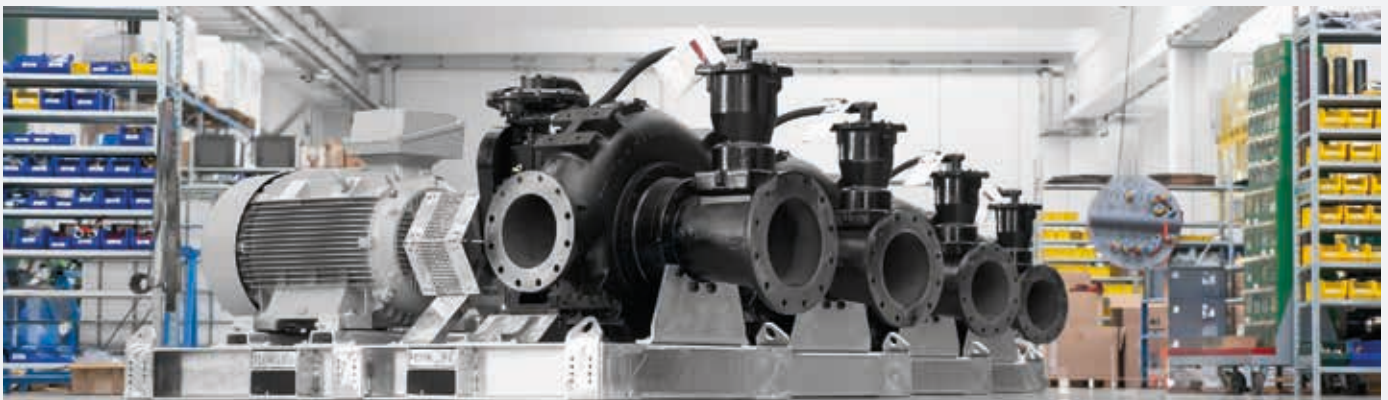
- Heavy duty open skid with roof
- Optional galvanized sled with push bars
- Double skin bundled fuel tank
- Heavy duty diesel engine
- CA6NM, Duplex SST or High Chrome materials
- Optional flowmeter and valves



e-ARDITA MINING

OPEN

- Robust hot dip galvanized base
- Forklift pockets and lifting hook
- High efficiency electric motor
- Optional softstarter or VFD control panel



LAMPO EMERGENCY

THE MULTIFUNCTIONAL ANSWER TO THE MOST DEMANDING SITUATIONS



- Multifunctional Group
- Versatility
- Built for tough environments
- Ready to use



- 1 or 2 pump sets
- Lighting tower
- Power Generator
- Air compressor

The patented multifunctional LAMPO unit can be used simultaneously as a generator, a lighting tower and a pump with the ability to vary the flow rates and pressures through an inverter. LAMPO guarantees water drainage with pumps from **100 to 500 m³/h**.

Generating set comes as standard in **SUPER SILENT** version, is available with power from 10 to 200 kVA and is completed with LED lights lighting tower. LAMPO is complete with equipment that improves final user interventions.

TECHNICAL SPECS



CAPACITY
Up to 500 m³/h



PRESSURE
Up to 40 m



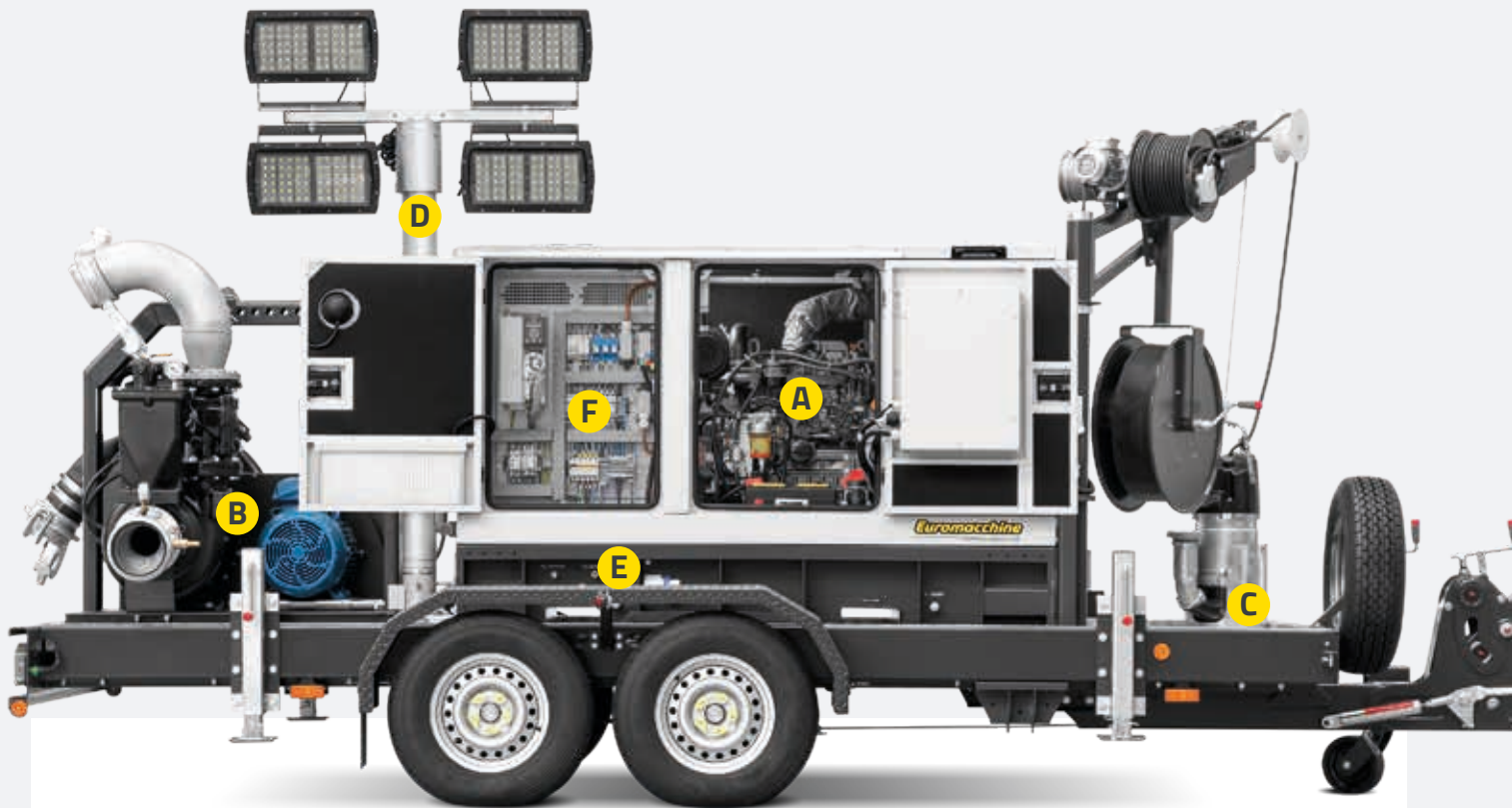
SOLIDS HANDLING
Up to 86 mm - 3.38"



DISCHARGE FLANGE
Up to DN200 - 8"

APPLICATIONS





A GEN SET

C SUBMERSIBLE PUMP

E COMPRESSOR

B HORIZONTAL PUMP

D LIGHTING TOWER

F INVERTER (VFD)

2 PUMPING SOLUTIONS under VFD control

1

PUMP A

HORIZONTAL PUMP

Equipped with horizontal centrifugal high volume vacuum assisted or self-priming pump under VFD.



CAPACITY
Up to 500 m³/h



PRESSURE
Up to 40 m

2

PUMP B

SUBMERSIBLE PUMP

Submersible electric pump for manholes, moved by an electric winch under VFD.



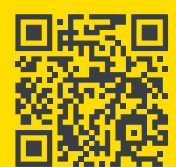
CAPACITY
Up to 250 m³/h



PRESSURE
Up to 90 m



ACT SAFELY IN EMERGENCY SITUATIONS
JOIN OUR FREE WEBINAR ON LAMPO EM!



FUNCTIONS

1

POWER GENERATOR

3P, 1P & SCHUKO SOCKETS

Alternator erogates power to the electrical Schuko, Three & Mono phases sockets.



POWER

Up to 200 kVA



2

LIGHTING TOWER

4 POWERFUL LED PANELS

4 large LED panels, thanks to their high brightness illuminates the entire surrounding area.



BRIGHTNESS

Up to 160 lm



HEIGHT

Up to 6 m

3

AIR COMPRESSOR

FOR TOWER MAST & TOOLING

Lift up the tower light and use the plug-in ready connectors for air tools.



FLOW

Up to 50 l/s



PRESSURE

Up to 10 bar

4

VFD

VARIABLE FREQUENCY DRIVE

Adjust pump speed to vary flow and head depending on the application requirements.



FREQUENCY

Up to 75Hz



- 1 LAYFLAT REELS
- 2 PARKING JACKS
- 3 PIPE HOLDER

- 4 PUMP BALANCED LIFTING HOOK
- 5 INVERTER (VFD)
- 6 AIR COMPRESSOR CONNECTOR

- 7 BATTERY MAINTENANCE SOCKET
- 8 INTERNAL COURTESY LIGHTS
- 9 EXTERNAL LED LIGHTS

CASE STUDIES



SELF-PRIMING PUMP UNITS

CUSTOM SOLUTION FOR ANY TYPE OF NEED.



- 100% customizable
- Any type of need
- Top quality materials



- Flood areas management
- Bypass pumping
- River level control

High-performance diesel engine pump units customizable for every kind of need, with flow rates from 30 to 1,450 m³/h with variable pressures. Each model can be specially designed and made according to the customer's specific requirements. Available in 3 ranges: **PORTABLE, EASY** and **BIG**.

Our range of efficient and reliable **self-priming pumps** are designed for a variety of applications. These pumps are engineered to handle tough pumping tasks effortlessly, making them ideal for **municipal, industrial** and many other uses.

TECHNICAL SPECS



CAPACITY
Up to 1,450 m³/h



PRESSURE
Up to 40 m



SOLIDS HANDLING
Up to 76 mm - 3"



DISCHARGE FLANGE
Up to DN300 – 12"

APPLICATIONS



MUNICIPAL



MINING



IRRIGATION



OIL & GAS



CONSTRUCTION



DRILLING



INDUSTRY
& RENTAL



EMERGENCY



MANURE

PORTABLE



PUMP FLOW RATE
Up to 150 m³/h



VERSION
A / D



PRESSURE
Up to 4 bar



CONFIGURATION
1 / 2 / 5



EASY



PUMP FLOW RATE
Up to 350 m³/h



VERSION
A / B / C / D



PRESSURE
Up to 5 bar



CONFIGURATION
1 / 2 / 3 / 4 / 5



BIG



PUMP FLOW RATE
Up to 1,450 m³/h



VERSION
A / B / D



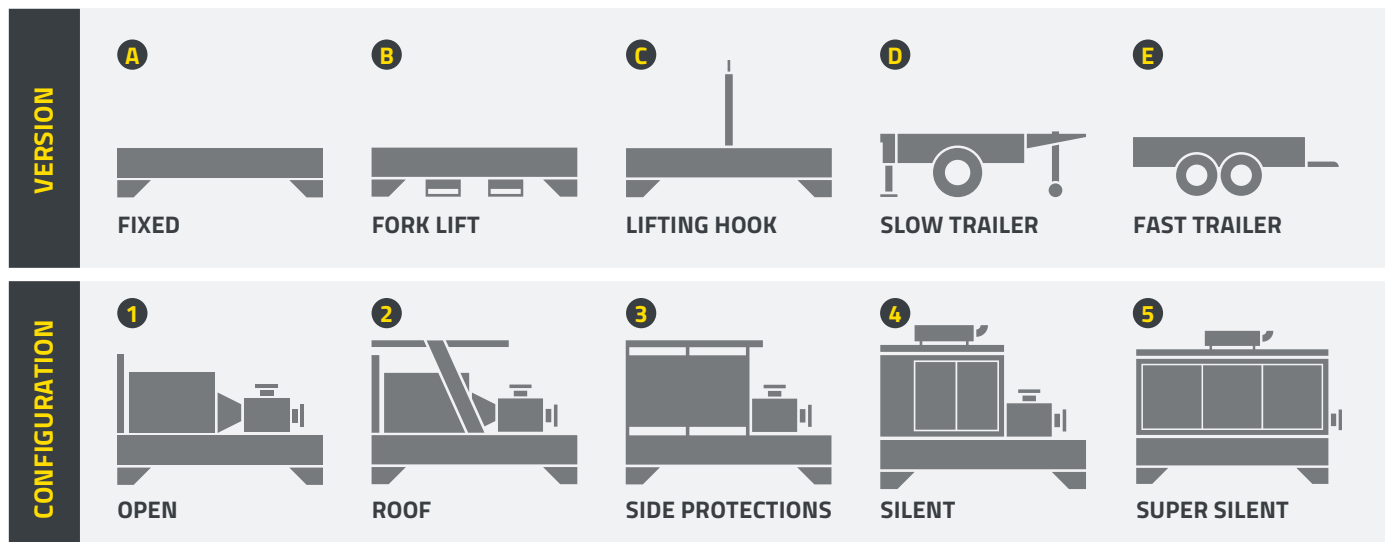
PRESSURE
Up to 4 bar



CONFIGURATION
1 / 2 / 3 / 4



VERSION & CONFIGURATION





CORNELL SELF-PRIMING PUMPS

EFFICIENT, DURABLE, INNOVATIVE



- Five years warranty
- Less maintenance
- More robust than standard pumps



- Energy cost savings
- Long run efficiency
- Efficiency 8% higher than competitors

The Cornell STX, STL & STH are premium efficiency **wet prime pumps**, that after the initial filling, will re-prime in operation. Feature a number of advantages including **Cycloseal®**, **heavy-duty ductile iron castings**, **oversized steel shafts**, **double-lip seals** for bearing protection, and **higher efficiencies**.

If you have an existing self-primer installed, contact Euromacchine regarding the retrofit program, which may allow the Cornell STX rotating assemblies to retrofit into your existing pump volute.

TECHNICAL SPECS



CAPACITY
Up to 960 m³/h



PRESSURE
Up to 77 m



SOLIDS HANDLING
Up to 76 mm - 3"



DISCHARGE FLANGE
Up to DN250 – 10"

APPLICATIONS



MUNICIPAL



MINING



IRRIGATION



OIL & GAS



CONSTRUCTION



DRILLING



INDUSTRY & RENTAL

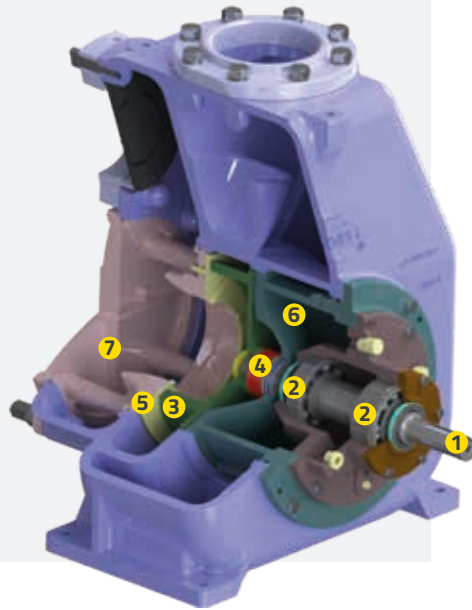


EMERGENCY



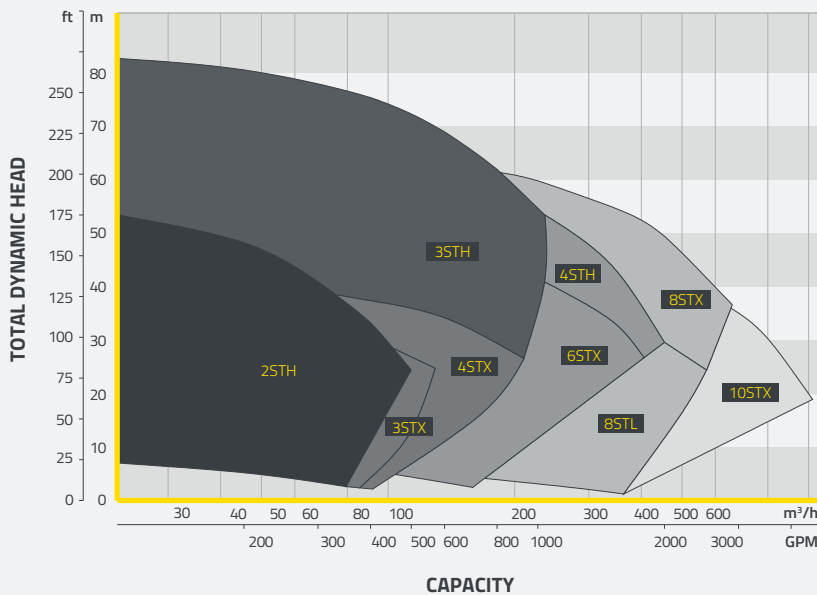
MANURE

- 1 SHAFT
- 2 BEARINGS
- 3 IMPELLER
- 4 MECHANICAL SEAL
- 5 WEAR PLATE
- 6 ROTATING ASSEMBLY
- 7 FRONT COVER



SOLIDS HANDLING IMPELLER

Ductile iron two-blade impeller handles solids up to 3" in diameter. Impeller backvanes reduce the buildup of foreign matter and pressure in the stuffing box.



FEATURES

- ✓ CYCLOSEAL® SEALING SYSTEM
- ✓ HIGH-EFFICIENCY DESIGN
- ✓ HIGH RPM CAPACITY
- ✓ HIGH HEAD CAPACITY
- ✓ MODULAR DESIGN

CONSTRUCTION

- ✓ HEAVY-DUTY BEARINGS
- ✓ DUCTILE IRON CONSTRUCTION
- ✓ 17-4 PH STAINLESS STEEL SHAFT
- ✓ SHIMLESS IMPELLERS



CAIMANO

VERTICAL MOUNT CORNELL RIVERSCREEN



ALL IN ONE

- Pumping Station
- Self-cleaning Filter
- Floating Unit



TOPIC SPECS

- Easy access & low maintenance
- Long run efficiency

An innovative **floating pump station** matched with a **Riverscreen** self cleaning filter and a high efficiency **Cornell vertical electric motor pump unit**. Directly fed by the pumped liquid, it ensures an **immediate auto-priming**. Lightweight thermoformed plastic pontoons provide flotation to the entire unit.

Caimano is the ideal irrigation solution that can be operated in a range of water sources such as **reservoirs, rivers, streams, dams, canals** and be successfully used on pumping systems including **irrigation, dewatering** in all cases where suction height is a topic issue to be solved.

TECHNICAL SPECS



CAPACITY

Up to 1,300 m³/h



PRESSURE

Up to 140 m



FILTRATION

From 8 to 160 mesh



MIN. WATER DEPTH

From 700 mm (29.5")

APPLICATIONS



MUNICIPAL



MINING



IRRIGATION



OIL & GAS



CONSTRUCTION



DRILLING



INDUSTRY & RENTAL

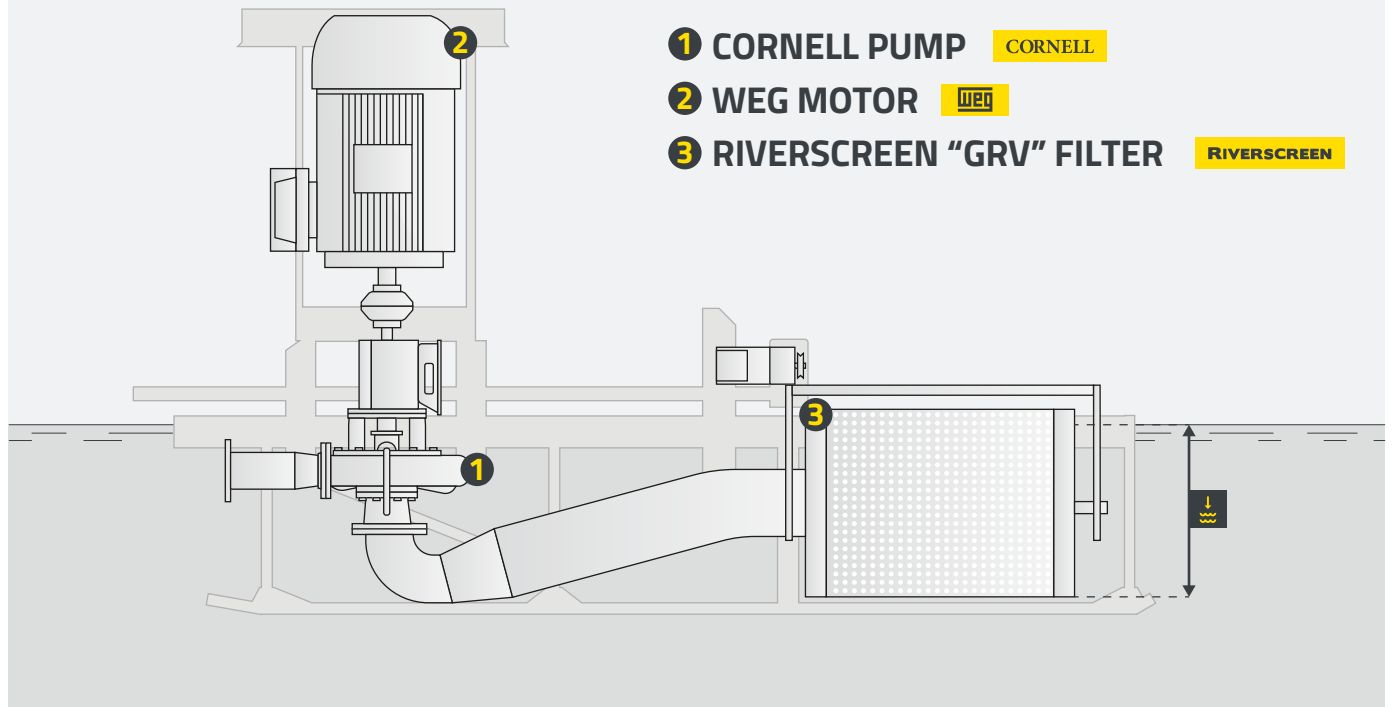


EMERGENCY



MANURE

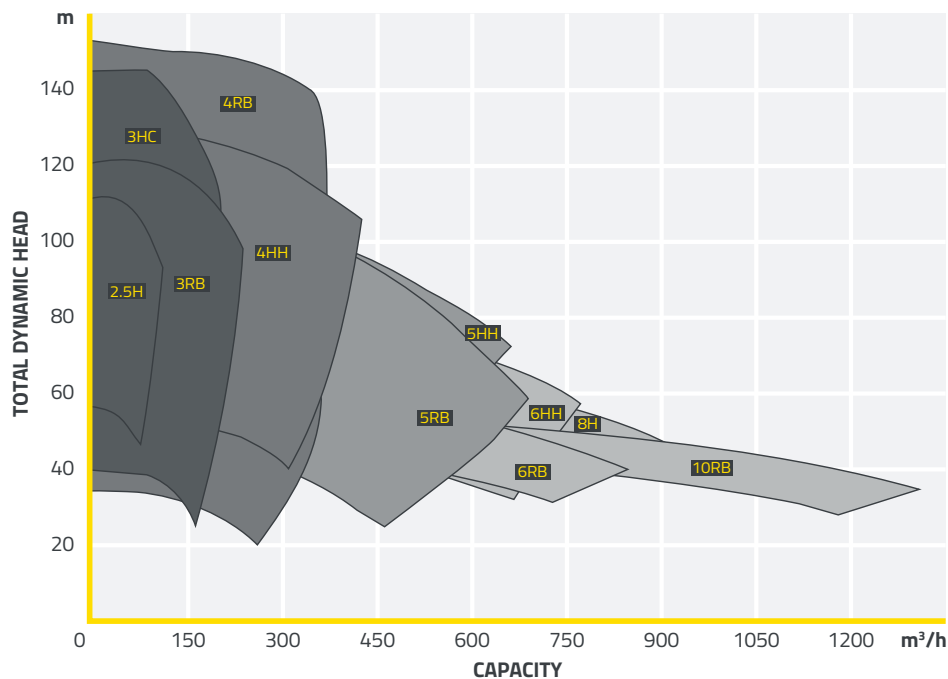
COMPOSITION



- 1 CORNELL PUMP **CORNELL**
- 2 WEG MOTOR **WEG**
- 3 RIVERSCREEN "GRV" FILTER **RIVERSCREEN**



CLEAR LIQUID PUMPS H - R SERIES



FEATURES & BENEFITS

Cornell clear liquid pumps in Vertical position with WEG electric motor from 37 to 160 kW.

Available in RB and H Series.



CAPACITY
Up to 1,300 m³/h



PRESSURE
Up to 140 m

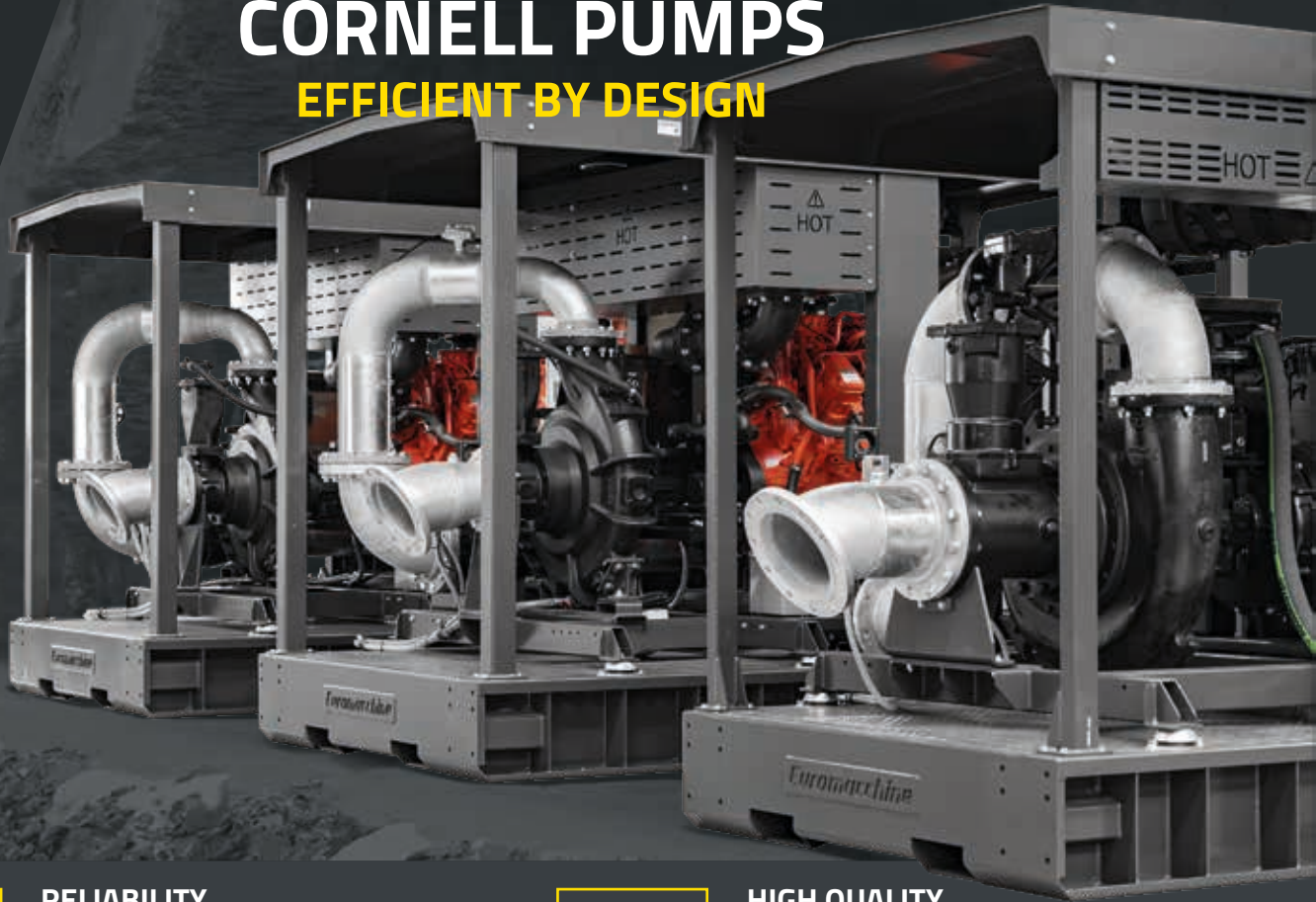


SOLIDS HANDLING
32 mm – 1.25"



CORNELL PUMPS

EFFICIENT BY DESIGN



RELIABILITY

- Superior efficiency
- Less downtime
- Less fuel consumption



HIGH QUALITY

- Longevity & durability
- Enhance performances
- Cutting-edge design

FEATURES



REDI PRIME®

Fully automatic pump priming and re-priming cycles



RUN DRY™

Seal lubrication and cooling system protecting from running without liquid



CYCLOSEAL®

Dished backplate creating pressure gradients to remove solids



IMPELLER TYPES

Enclosed, Semi-Open, Delta or Blade-Cutter among others

APPLICATION MARKETS

DEWATERING

CLEAR & SOLIDS LADEN LIQUIDS

- Ductile Iron Construction
- CA6NM stainless steel impellers (opt.)
- Duplex and Hard Iron material (opt.)
- Cycloseal® and Run-Dry™ seal protections
- Redi-Prime® automatic priming system (opt)



CAPACITY
Up to 7,500 m³/h



HEAD
Up to 275 m



SOLIDS HANDLING
Up to 133 mm - 5.25"



WASTEWATER

INDUSTRIAL & MUNICIPAL SEWAGE

- Rag handling impeller designs (semi-open or enclosed)
- Wastewater Warrior cutter system (opt.)
- Ductile, Hard Iron or Duplex Construction
- Cycloseal® and Run-Dry™ seal protections
- Redi-Prime® automatic priming system (opt.)



CAPACITY
Up to 2,200 m³/h



HEAD
Up to 125 m



SOLIDS HANDLING
Up to 114 mm - 4.50"



SLURRY & SAND

DREDGING & MINING PROCESSES

- 650BHN Hard Iron construction
- Up to 40 bar working pressures (series operation)
- Wear resistant shaft and oversized bearings
- Rubber lined option
- Cycloseal® seal, Run-Dry™ and Cycloguard® protections
- Redi or Slurry-Prime automatic priming systems (opt.)



CAPACITY
Up to 3,200 m³/h



HEAD
Up to 400 m



SOLIDS HANDLING
Up to 89 mm - 3.50"



RIVERSCREEN™

DEPENDABLE WATER SUPPLY SELF-CLEANING OPERATION



PREVENTS CLOGGING

- Vegetation, algae and mosses
- Debris
- Small solids



TOPIC SPECS

- Shallow water filtering
- Protects fish fauna
- Easy assembly and maintenance

A **rotating water-driven self-cleaning screen** that dependably delivers good water from as little as **120 mm**. The ideal solution for the operation depending upon **river** or **canal** water sources for irrigation and dewatering systems. RIVERSCREEN is built for shallow water pumping, preventing **sand problems**.

Low maintenance operation. Standard on all Riverscreens is **#10 304 stainless steel mesh (up to 160)**. Riverscreen filter works great even in **livestock lagoons**.

TECHNICAL SPECS



MIN. WATER DEPTH
From 120 mm



PUMP FLOW RATE
From 40 to 2,000 m³/h



FILTRATION
From 8 to 160 mesh



SUCTION DIAMETER
From 4" to 12"

FEATURES

- ✓ High water filtration
- ✓ Prevent sand problems
- ✓ Slow moving currents
- ✓ Low-pressure nozzles
- ✓ Low maintenance operation

FEATURES



 **FLOW RATE**
Only 24 l/min

WATER DRIVEN POWER DRIVE

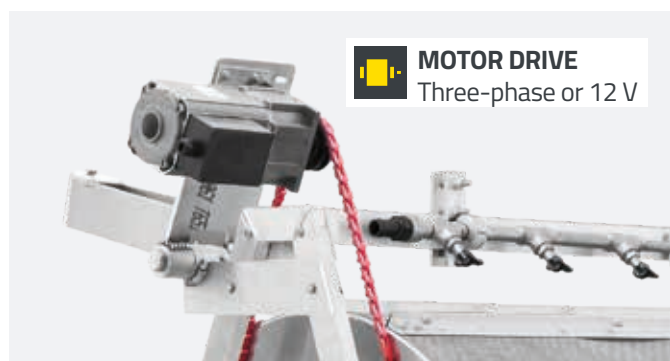
External water driven sprayers that clean and allow the screen to rotate.




 **FLOW RATE**
Only 20 l/min

CLEANING SPRAY BAR

Suitable to clean the screen.



 **MOTOR DRIVE**
Three-phase or 12 V

MOTOR DRIVE (OPT.)

To be used in case of very dirty waters or electric pumps.



FOOT VALVE

Foot Valve is used for backfilling your suction line to prime the pump.

PARTS

- 1 Motor drive (OPT)
- 2 Water driven power drive
- 3 Screen drum
- 4 Cleaning spray bar
- 5 Sturdy aluminium frame
- 6 Aluminium pontoons



RIVERSCREEN "STD" 6"

COMAP INTELIGEN 500 CONTROL UNIT. THE BRAIN INSIDE OUR MACHINES.

Comap IntelliGen 500 is the advanced control unit with a high resolution display and a wide variety of functions.

Connected to the WebSupervisor application in cloud, it offers GPS with complete and quick control of your pumps from any connected device. It allows to start and stop your pump set, monitor it and adjust settings from miles away.

INFOGRAPHIC MENU

- ✔ Pressure and vacuum, engine/motor revolutions, absorbed power and many others reported on digital meters in real time.
- ✔ Safe and unsafe operating ranges displayed in green and red colors, including warnings and protective actions.

NAVIGATION

- ✔ Smart software that makes navigation as simple as possible.
- ✔ Optimum graphic design displaying all major information.
- ✔ Intuitive command buttons with icons for easy identification.



STANDARD FUNCTIONALITIES AND MORE

- ✔ Pump / Engine protection.
- ✔ On/Off switch and PID control functions.
- ✔ Highly connected: pressure transducer, float switches, flow meter, electrovalves and much more.
- ✔ Events logger.

ALWAYS PROTECTED

- ✔ Maintenance program timer.
- ✔ Theft protection: based on fuel consumption or geofencing.



WEB SUPERVISOR.
FULL REMOTE CONTROL
OF THE PUMPING UNITS.





WATER TRANSFER

LAMPO SERIES

EMERGENCY

Multifunctional unit Lampo Emergency synonymous of versatility: one unit with gen-set, tower light, electric pumps and air compressor, all in a fast trailer with ComAp IG500.



- ✓ **ALTERNATOR MONITOR, PROTECT & CONTROL**

- ✓ **START / STOP LOCALLY AND REMOTELY**



ARDITA SERIES

MINING, CONSTRUCTION, MUNICIPALITIES

Ardita Water Transfer for low, medium and high pressure applications, from 4 to 12" sizes, designed to reduce downtime and prolong lifespan, saving operational costs, controlled by ComAp IG500.

- ✓ **ADVANCED AUTO START & STOP**

SINGLE FLOAT



A float acts as a switch, turning it on and off according to the water level.

DUAL FLOAT



A low and a high float switches for higher water level fluctuations.

LEVEL TRANSDUCER



A probe detecting water level with high accuracy.



- ✓ **RADIO CONTROL**

You don't only control your machine remotely but also locally with a radio controller.



CONTROL DISTANCE
Up to 50 m

COMPANY HIGHLIGHTS

WE PUMP, YOU WORK. IN A BETTER WAY.



INNOVATIVE PRODUCTS

- Research & development
- Design & patenting

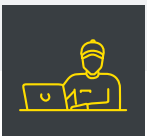


MADE ON YOUR NEEDS

- Highly customized solutions and tailor-made products

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.

Our business began over 40 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.



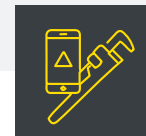
CONSULTANCY

Our experts will guide you to find the right solution for your agricultural field size and the required flow rate.



PRODUCTION

Each machine is manufactured with meticulous craftsmanship, by assembling exclusively the best components on the market.



ASSISTANCE

We remain at your side for any needs: from installation to assistance during the whole irrigation season.



STOCKING AREA & JUST-IN-TIME EQUIPMENT

+5.000 sqm

of warehouse area

+15.000

items available



PRODUCTION LINE

7 ASSEMBLY-AREAS

LEAN manufacturing methods

1 TEST ROOM

All Euromacchine units are 100% tested



EUROMACCHINE

PUMP

ACADEMY

Euromacchine Pump Academy is held by our technicians who share their experience and show the best way to analyze the problem and find the right solution.



During the lessons, you may access our Test Area where we test all the assembled machines and check water pressure parameters.

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