

# INDUSTRIAL COMPONENTS

PUMPS · MOTORS · MOTOR PUMPS · HEATERS

[www.mazzonipump.com](http://www.mazzonipump.com)  
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## MAZZONI: PREMIER ITALIAN TECHNOLOGY SINCE 1969

Everything started more than 50 years ago, in a tiny, family-run craft laboratory of only 250 square meters. Today, thanks to the highly qualified staff and unwavering commitment of the management, **Mazzoni can boast of an 18,000 sqm warehouse and hundreds of distributors all over the world.** Our headquarters in Cavriago (Reggio Emilia) is equipped with innovative technologies of the highest quality, including a vertical warehouse for component storage, an automatic warehouse (TRASLO) for managing semi-finished products and multiple production lines of complete machines and components.

Mazzoni continues to offer its clients the highest level of technology and expertise, thus guaranteeing the best level of performance in the industrial and professional cleaning sector. The constant search for best-in-class technologies combined with the utmost care for details and people, make Mazzoni a **world leader in the manufacture of pumps, components and machines.**



CLASSIC



BRASS HEAD  
PMD - MMD - GM - XM

CAST IRON HEAD  
LM Ø30 - Ø40

MAX WATER TEMPERATURE

149° F

REVOLUTIONS

1740 RPM

|              | GPM          | PSI         | HP            | SHAFT                   | ENGINE PAIR  |
|--------------|--------------|-------------|---------------|-------------------------|--------------|
| PMD          | 2.69 ↔ 4.76  | 2900        | 4.50 ↔ 7.95   | L: 1.57inch - Ø: 0.945" | MEC100 - 112 |
| MMD          | 3.80 ↔ 6.65  | 3625        | 9.35 ↔ 16.36  | L: 1.57inch - Ø: 0.945" | MEC132 - 160 |
| GM           | 5.71 ↔ 19.97 | 2175 ↔ 4351 | 16.83 ↔ 29.45 | L: 1.57inch - Ø: 0.945" | MEC160 - 180 |
| XM           | 3.49 ↔ 6.66  | 7251        | 17.14 ↔ 32.73 | L: 1.57inch - Ø: 0.945" | MEC160 - 180 |
| LM Ø30   Ø40 | 7.66 ↔ 10.82 | 7250        | 25 ↔ 39.45    | L: 3inch - Ø: 1.57"     | ---          |

FEATURES

- ✓ **Forged pump head** designed for strength
  - ✓ **Cam-Ground pistons** for smoother stroke and better oil-tightness
  - ✓ **Oversized shaft and long end section** for better torque transmission
  - ✓ **Extra-thick ceramic pistons** for greater durability
  - ✓ **Double gasket sealing system**
- ✓ **Intake and delivery valves** with larger water passages
  - ✓ **Tapered roller bearings** with high resistance
  - ✓ Body of the pump designed for **long-term durability**
  - ✓ Rods made of a **special anti-friction alloy**

APPLICATIONS

|              |                |
|--------------|----------------|
| AGRICULTURE  | PMD - MMD - GM |
| SHIPYARD     | GM-XM          |
| CONSTRUCTION | GM - LM        |
| CLEANING     | PMD - MMD - GM |

DISCOVER THE  
NEW LM SERIES

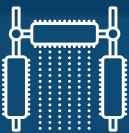


CAST IRON  
HEAD

CAR WASH



NICKEL PLATED MANIFOLD



DESIGNED FOR  
CAR WASH  
SYSTEMS

MAX WATER TEMPERATURE

149° F

REVOLUTIONS

1740 RPM

|        | GPM          | PSI         | HP            | SHAFT                   | ENGINE PAIR        |
|--------|--------------|-------------|---------------|-------------------------|--------------------|
| PMD-CW | 2.64 ↔ 4.76  | 2900        | 4.50 ↔ 7.95   | L: 1.57inch - Ø: 0.945" | MEC100 - 112       |
| MMD-CW | 3.80 ↔ 6.66  | 3625        | 9.35 ↔ 16.36  | L: 1.57inch - Ø: 0.945" | MEC112 - 132 - 160 |
| GM-CW  | 5.71 ↔ 19.97 | 2175 ↔ 4351 | 16.83 ↔ 29.45 | L: 1.57inch - Ø: 0.945" | MEC100 - 112 - 132 |

FEATURES

- ✓ **Forged brass pump head**, designed for strength
  - ✓ **Diluted detergents** can be used
  - ✓ **More weather resistant** when working outdoors
  - ✓ **Cam-Ground pistons** for smoother stroke and better oil-tightness
  - ✓ **Oversized shaft and long end section** for better torque transmission
  - ✓ **Extra-thick ceramic pistons** for
- greater durability
  - ✓ **Double gasket sealing system**
  - ✓ **Intake and delivery valves** with larger water passages
  - ✓ **Tapered roller bearings** with high resistance
  - ✓ Body of the pump designed for **long-term durability**
  - ✓ Rods made of a **special anti-friction alloy**

APPLICATIONS

|              |                         |
|--------------|-------------------------|
| AGRICULTURE  | PMD-CW   MMD-CW   GM-CW |
| SHIPYARD     | GM-CW                   |
| CONSTRUCTION | GM-CW                   |
| CLEANING     | PMD-CW   MMD-CW   GM-CW |

CARWASH  
SERIES

HOLD THE POWER  
IN YOUR HANDS





HIGH TEMPERATURE



NICKEL PLATED MANIFOLD



HIGH TEMPERATURE  
READY

MAX WATER TEMPERATURE

185° F

REVOLUTIONS

1740 RPM

FLOW RATE UP TO

75.60 GPM

|     | GPM          | PSI         | HP            | SHAFT                   | ENGINE PAIR        |
|-----|--------------|-------------|---------------|-------------------------|--------------------|
| TPM | 2.69 ↔ 4.76  | 2175        | 3.97 ↔ 7.01   | L: 1.57inch - Ø: 0.945" | MEC100 - 112       |
| TMM | 3.80 ↔ 6.66  | 2900        | 7.48 ↔ 13.09  | L: 1.57inch - Ø: 0.945" | MEC112 - 132       |
| TGM | 5.71 ↔ 19.97 | 2175 ↔ 2900 | 11.20 ↔ 29.45 | L: 1.57inch - Ø: 0.945" | MEC132 - 160 - 180 |

FEATURES

- ✓ **Nickel plated manifold**, designed for strength
  - ✓ **Cam-Ground pistons** for smoother stroke and better sealing
  - ✓ **Oversized shaft and long end section** for better torque transmission
  - ✓ **Extra-thick ceramic pistons** for greater durability
  - ✓ **Double gasket sealing system**
- ✓ **Intake and delivery valves** with larger water passages
  - ✓ **Tapered roller bearings** with high resistance
  - ✓ Body of the pump designed for **long-term durability**
  - ✓ Rods made of a **special anti-friction alloy**

APPLICATIONS

|              |                 |
|--------------|-----------------|
| AGRICULTURE  | TPM - TMM - TGM |
| SHIPYARD     | TGM             |
| CONSTRUCTION | TGM             |
| CLEANING     | TPM - TMM - TGM |

BEST  
TOGETHER



Avoid any compatibility issues, select one of our engines for a perfect fit!

STAINLESS STEEL



STAINLESS STEEL MANIFOLD



HIGH TEMPERATURE  
READY

MAX WATER TEMPERATURE

185° F

REVOLUTIONS

1740 RPM

FLOW RATE UP TO

19.97 GPM

|         | GPM          | PSI         | HP            | SHAFT                   | ENGINE PAIR        |
|---------|--------------|-------------|---------------|-------------------------|--------------------|
| MMX     | 3.80 ↔ 6.66  | 2900        | 7.48 ↔ 13.09  | L: 1.57inch - Ø: 0.945" | MEC112 - 132       |
| GMX     | 5.70 ↔ 19.60 | 2175 ↔ 2900 | 11.20 ↔ 29.45 | L: 1.57inch - Ø: 0.945" | MEC132 - 160 - 180 |
| LMX Ø20 | 5.28 ↔ 18.82 | 7252        | 25.97 ↔ 53.25 | L: 3.14inch - Ø: 1.57"  | ---                |

FEATURES

- ✓ **Stainless steel manifold**, designed for strength
  - ✓ With the Inox head you can use **treated water, aggressive acid detergents and seawater** at temperatures of up to 185°F
  - ✓ **Cam-Ground pistons** for smoother stroke and better sealing
  - ✓ **Oversized shaft and long end section** for better torque transmission
  - ✓ **Extra-thick ceramic pistons** for greater
- durability
  - ✓ **Double gasket sealing system**
  - ✓ **Intake and delivery valves** with larger water passages
  - ✓ **Tapered roller bearings** with high resistance
  - ✓ Body of the pump designed for **long-term durability**
  - ✓ Rods made of a **special anti-friction alloy**

APPLICATIONS

|              |                 |
|--------------|-----------------|
| AGRICULTURE  | MMX - GMX       |
| SHIPYARD     | GMX             |
| CONSTRUCTION | GMX             |
| CLEANING     | MMX - GMX - LMX |

MADE  
TO LAST



ENDURANCE  
AND RELIABILITY

## HYDRAULIC



## BRASS HEAD



**DESIGNED FOR  
HYDRAULIC  
SYSTEMS**

## MAX WATER TEMPERATURE

**149° F**

## REVOLUTIONS

**1450 RPM**

|        | GPM         | PSI  | HP           | SHAFT                      |
|--------|-------------|------|--------------|----------------------------|
| PM-HY  | 2.24 ↔ 3.96 | 2465 | 3.75 ↔ 6.62  | SAE A - Cylindrical 0.626" |
| MMD-HY | 3.17 ↔ 5.55 | 3625 | 9.35 ↔ 16.36 | SAE A - Cylindrical 0.626" |

## FEATURES

- ✓ **Cam-Ground pistons** for smoother stroke and better sealing
- ✓ **Oversized shaft and long end section** for better torque transmission
- ✓ **Extra-thick ceramic pistons** for greater durability
- ✓ **Double gasket sealing system**
- ✓ **Intake and delivery valves** with larger water passages
- ✓ **Tapered roller bearings** with high resistance
- ✓ Body of the pump designed for **long-term durability**
- ✓ Rods made of a **special anti-friction alloy**

## APPLICATIONS

|             |                |
|-------------|----------------|
| AGRICULTURE | PM-HY - MMD-HY |
| CLEANING    | PM-HY - MMD-HY |

**100%  
MADE IN ITALY**

**OUR PRODUCTS ARE MADE  
BY ITALIAN CRAFTSMEN**

## ENDOTHERMIC



## BRASS HEAD



**DESIGNED FOR  
ENDOTHERMIC  
SYSTEMS**

## MAX WATER TEMPERATURE

149° F

## REVOLUTIONS

**3400 RPM**

|           | GPM         | PSI  | HP           | SHAFT                    |
|-----------|-------------|------|--------------|--------------------------|
| PM-EDM-E3 | 2.24 ↔ 3.70 | 2900 | 4.42 ↔ 7.27  | SAE J1609A E3<br>Ø 0.75" |
| PM-EDM-E4 | 2.24 ↔ 3.96 | 2900 | 4.42 ↔ 7.79  | SAE J1609A E4<br>Ø 1"    |
| MMD-EDM   | 3.56 ↔ 5.52 | 4000 | 7.01 ↔ 10.86 | SAE J1609A E4<br>Ø 1'    |

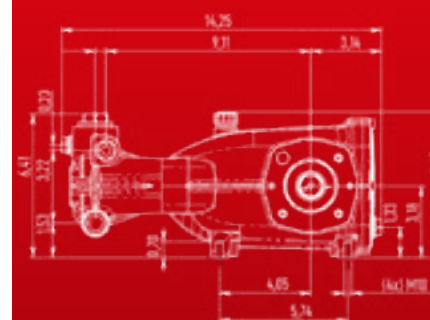
## FEATURES

- ✓ **Cam-Ground pistons** for smoother stroke and better sealing
- ✓ **Oversized shaft and long end section** for better torque transmission
- ✓ **Extra-thick ceramic pistons** for greater durability
- ✓ **Double gasket sealing system**
- ✓ **Intake and delivery valves** with larger water passages
- ✓ **Tapered roller bearings** with high resistance
- ✓ Body of the pump designed for **long-term durability**
- ✓ Rods made of a **special anti-friction alloy**

## APPLICATIONS

|             |                  |
|-------------|------------------|
| AGRICULTURE | PM-EDM - MMD-EDM |
| CLEANING    | PM-EDM - MMD-EDM |

## NEED MORE INFO?



**Contact us at  
*info@mazzonipump.com*  
to receive more details  
about our products**



MOTORS



BEARINGS  
Ball-bearings with single crowns.



ELASTIC COUPLING



THERMAL PROTECTION  
IN THE WINDINGS

PHASE

1 OR 3 PHASE

REVOLUTIONS

1740 RPM

|        | VOLT            | HP      | EFFICENCY   | A         | PUMP PAIR     |
|--------|-----------------|---------|-------------|-----------|---------------|
| MEC100 | 230 - 400       | 3 ↔ 5.5 | 83% ↔ 85%   | 16-9      | PMD           |
| MEC112 | 230 - 400       | 4 ↔ 7.5 | 82% ↔ 88%   | 21 - 8.9  | PMD - MMD     |
| MEC132 | 230 - 400 - 700 | 10 ↔ 15 | 88% ↔ 90.4% | 35.5 - 12 | MMD - GM - XM |
| MEC160 | 400 - 700       | 20      | 90.6%       | 27.7 - 16 | GM - XM       |
| MEC180 | 700 - 700       | 30      | 92.3%       | 39.5 - 23 | GM - XM - LM  |



FEATURES

- ✓ Elastic couplings
- ✓ Font flange + connection flange
- ✓ Router shaft
- ✓ Double ball-bearing
- ✓ Body with stator

TWO YEAR  
WARRANTY



Our construction methods ensure:  
Energy efficiency, electrical safety,  
mechanical functionality and operational safety

MOTOR PUMPS



REVOLUTIONS

1740 RPM

REVERSIBLE HYDRAULIC MOTOR PUMPS



DIRECT CONNECTION



ELASTIC COUPLING



ELASTIC COUPLING, BY-PASS VALVE, SAFETY  
VALVE AND PRESSURE GAUGES

|                    | GPM     | PSI         | HP           |
|--------------------|---------|-------------|--------------|
| 35 Ma 4413 SAE "B" | 4 ↔ 6.6 | 3000 ↔ 4351 | 4.66 ↔ 11.63 |
| 35 Ma 63 SAE "B"   | 5.5     | 3000        | 8.75         |

ELECTRIC PUMPS



MAZZONI PUMP + MOTOR WITH ELASTIC COUPLING + ELECRICAL  
BOX + BYPASS VALVE WITH TST + PRESSURE GAUGE



MAZZONI PUMP + MOTOR WITH ELASTIC COUPLING  
+ BASE COVER

|                | GPM       | PSI               | HP       |
|----------------|-----------|-------------------|----------|
| ELECTRIC PUMPS | 230 ↔ 400 | 2175.57 ↔ 2900.75 | 2.2 ↔ 11 |

HEATERS



WITH CONTROL BOARD

FUEL SUPPLY  
**DIESEL - LPG -  
METHANE**

THE POWER  
OF CONTROL

DIESEL HEATERS

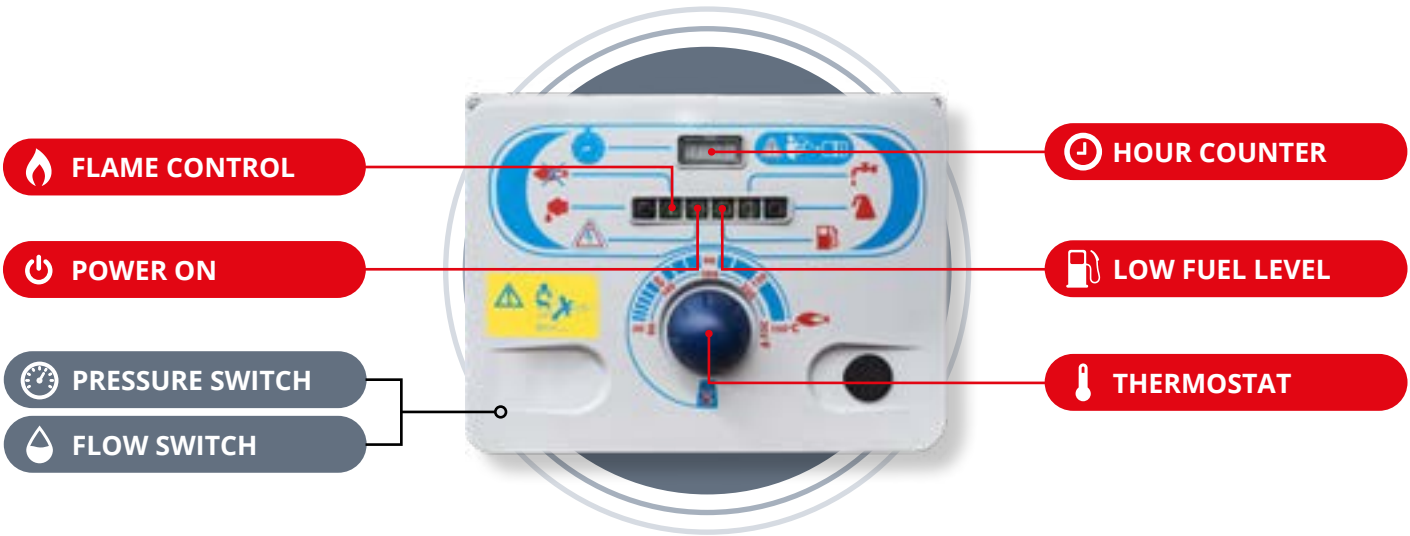
|        | GPM       | PSI     | COIL (FT) | PERFORMANCE (HP) | DIESEL CONSUMPTION (Gal/h) |
|--------|-----------|---------|-----------|------------------|----------------------------|
| SMALL  | 3.9       | 3625.94 | 78.74     | 77.98            | 1.24                       |
| MEDIUM | 5.2 ↔ 6.6 | 7251.89 | 114       | 124.71 ↔ 140.807 | 1.99 ↔ 2.24                |
| LARGE  | 7.9       | 7251.89 | 126.3     | 171.65           | 2.49                       |
| MAXI   | 10.56     | 7252    | 157       | 210.54           | 3.49                       |

GAS HEATERS

|        | GPM | PSI     | COIL (FT) | PERFORMANCE LPG (HP) | PERFORMANCE METHANE (HP) |
|--------|-----|---------|-----------|----------------------|--------------------------|
| SMALL  | 3.9 | 3625.94 | 78.74     | 138.12               | 136.78                   |
| MEDIUM | 5.5 | 3625.94 | 114       | 150.19               | 143.49                   |
| LARGE  | 7.9 | 3625.94 | 126.3     | 179.7                | 166.29                   |

FEATURES

- ✓ Stainless Steel body
  - ✓ Heater base made of compressed ceramic fiber
  - ✓ Higher coil thickness
  - ✓ Coil without welding where indicated
  - ✓ Professional combustion head
  - ✓ Diesel pump: double pipe with solenoid valve
  - ✓ High voltage transformer
  - ✓ Aluminium fan
- ✓ Autonomous fan motor 12V / 24V / 230V / 400V
  - ✓ Thermic protection on 230V / 400V motor winding
  - ✓ Outlet: 1/2" G
  - ✓ Diesel nozzle
  - ✓ Ignition electrodes
  - ✓ Carbon cables with waterproof high voltage plugs
  - ✓ Copper diesel pipe



AN EYE ON EVERYTHING

Display Panel lets you know immediately what the current status is



QUICK START DESIGN

Intuitive design makes it easy to use



INNOVATION

Our products are made using only High Tech components



SAFETY VALVE

Save your heater from overpressure

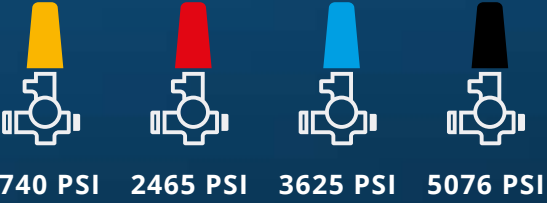


VALVES



BY-PASS AND SAFETY VALVES

SPRING COLORS AND MAX PSI



BY-PASS VALVE

Pressure (PSI): 3650 ↔ 7250  
Flow rate (GPM): 9.24 ↔ 26.41



BY-PASS VALVE  
WITH PRESSURE SWITCH

Pressure (PSI): 3650  
Flow rate (GPM): 9.24



BY-PASS VALVE  
WITH INJECTOR

Pressure (PSI): 3650  
Flow rate (GPM): 9.24



BY-PASS VALVE  
WITH PRESSURE SWITCH

Pressure (PSI): 3650  
Flow rate (GPM): 9.24



SAFETY VALVES

Pressure (PSI):  
3650 ↔ 7250

Flow Rate (GPM):  
9.24 ↔ 26.41

ACCESSORIES



HOSE REEL

Hose (ft): 32.80 - 65.61 - 131.23



HIGH PRESSURE HOSE

Length (ft): 32.80 - 65.61



QUICK CONNECTION

Connection: 1/2" - 3/4"



GUNS

Pressure (PSI): 4496.17 - 7251.89  
Flow rate (GPM): 7.92 - 10.57



LANCES

Without nozzle  
Turbo Head nozzle  
4 Head function  
Adjustable Head



HIGH PRESSURE NOZZLES

Diameter: 1504 - 25065  
Connection: 1/4" NPT



FILTERS

External Filter with impurity net for salt  
Magnetic antiscall in steel 3/4"G  
In-line filter G1/2F 50SH 10.57gpm  
Bras filter "Y" 3/4"G-FF




PRESSURE GAUGES

Pressure (PSI): 4351.13 - 14503.8





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