

POMPE AD ALTA PRESSIONE HIGH PRESSURE PUMPS
MOTORI ELETTRICI ELECTRIC MOTORS
CALDAIE AD ALTA PRESSIONE HIGH PRESSURE BOILERS
VALVOLE VALVES



RICERCA COSTANTE DELLE MIGLIORI PRESTAZIONI

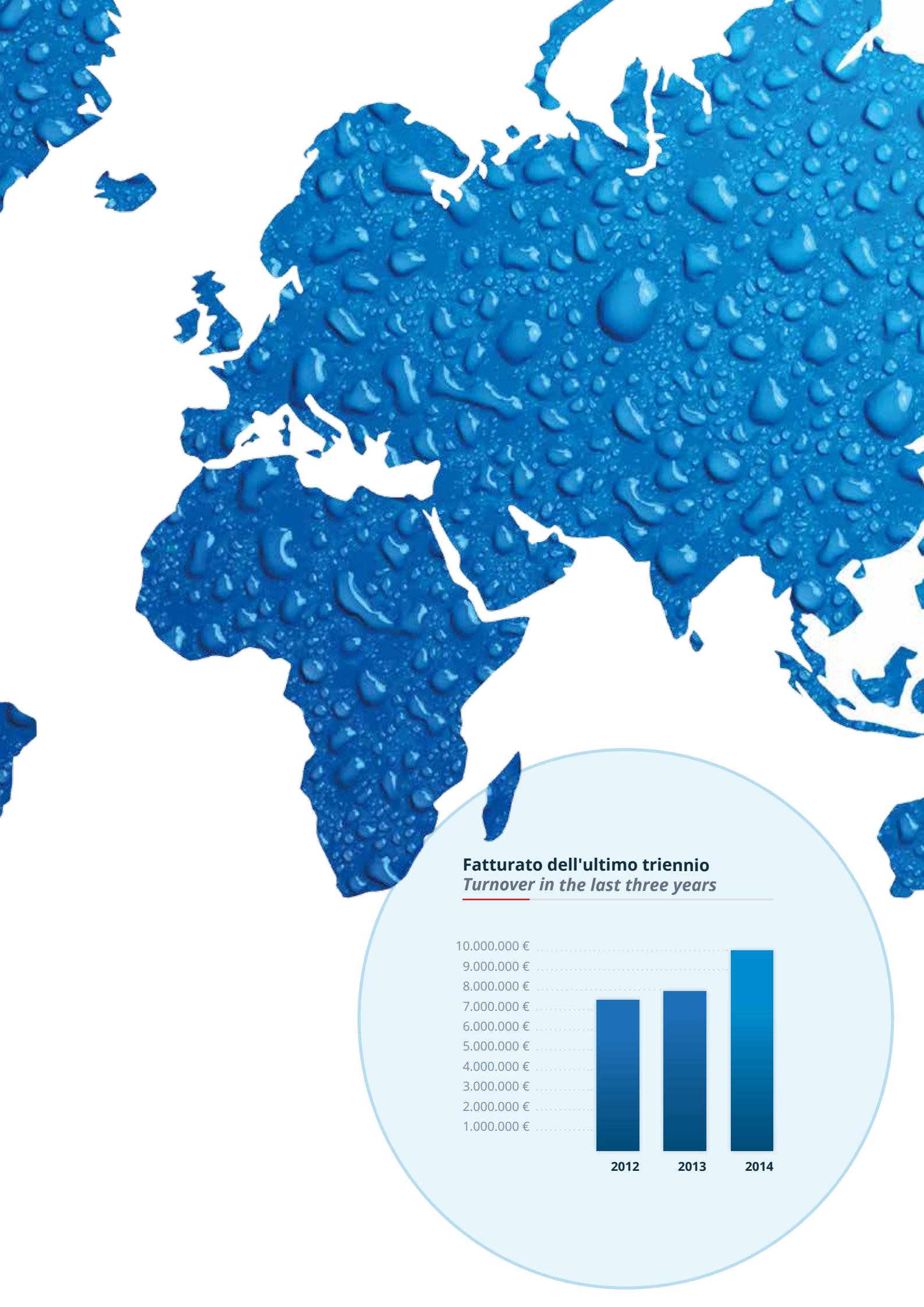
Mazzoni esporta i propri prodotti in tutto il mondo. Il nostro obiettivo è la ricerca costante delle migliori prestazioni in tutti i componenti meccanici che produciamo. Vogliamo essere un punto di riferimento di qualità per tutti i clienti supportati e curati dalla nostra azienda.

I grafici a fianco esprimono la nostra soddisfazione per una realtà in cresci-
ta, in un mercato sempre più complicato ed esigente.

CONSTANT SEARCH OF BEST PERFORMANCES

Mazzoni exports its products worldwide. Our goal is the constant search of the best performances in all the mechanical components we produce. We want to be a landmark as quality by all our customers which are cared and supported by our company.

The graphs alongside express our satisfaction for a growing reality, in an harder and more exigent market.



Fatturato dell'ultimo triennio *Turnover in the last three years*



MAZZONI: TECNOLOGIA ITALIANA DAL 1969

Mazzoni fu fondata nel 1969 come piccolo laboratorio artigianale a conduzione familiare che operava in una struttura con una superficie di soli 250 metri quadri.

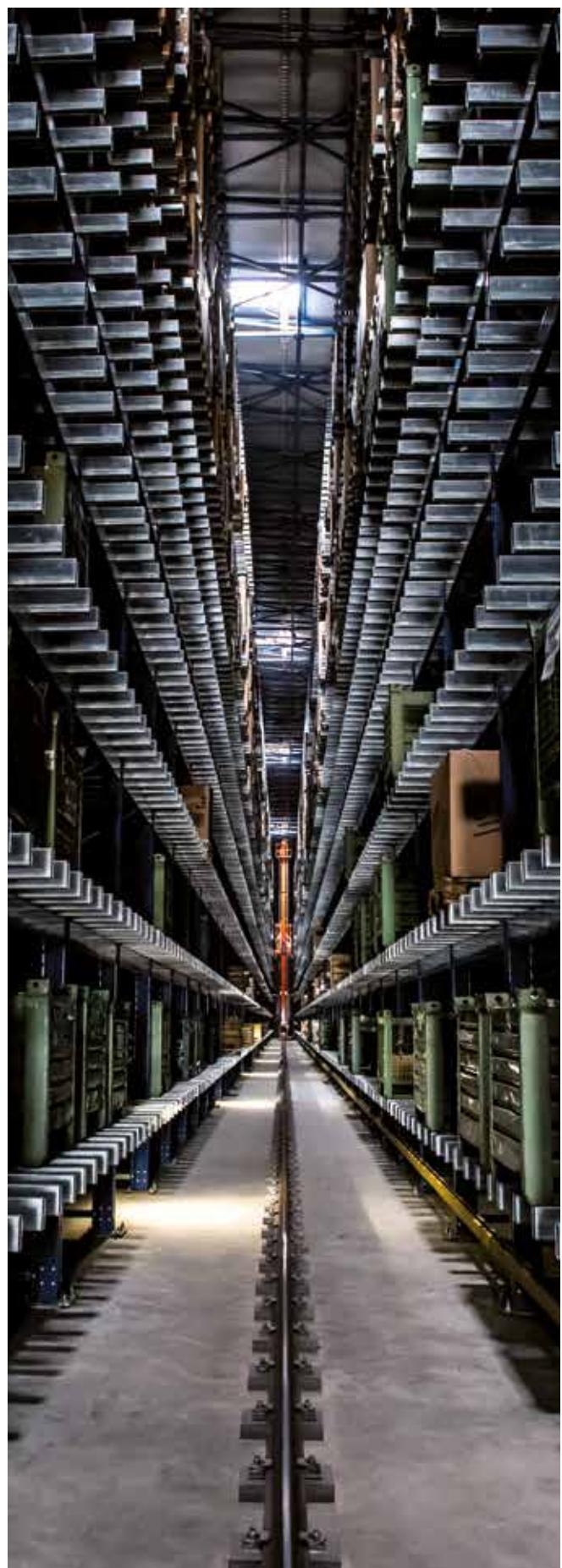
Grazie a un profondo impegno da parte dei soci fondatori e alla collaborazione di personale altamente specializzato, la crescita aziendale è andata costantemente aumentando, fino a raggiungere gli importanti risultati visibili oggi.

A Cavriago (in provincia di Reggio Emilia) lo stabilimento Mazzoni occupa una superficie di ben 18.000 mq: è qui che, con un team estremamente qualificato ed attrezzature di alto livello l'azienda produce componentistica industriale, sia standard sia personalizzata.

Questo grazie al know-how che si è creato nel tempo producendo motori elettrici, caldaie, valvole e pompe ad alta pressione.

Il tutto, mettendo al primo posto il rispetto nei confronti del lavoro, inteso come dovere ma anche come piacere di creare, ed il rispetto nei confronti del cliente, con il quale l'azienda Mazzoni instaura rapporti diretti ed onesti.

Mazzoni offre una gamma completa di prodotti: **pompe ad alta pressione, valvole, caldaie e vari kit per il lavaggio.**





MAZZONI: ITALIAN TECHNOLOGY FROM 1969

Mazzoni was founded in 1969 as a small, family-managed workshop that operated in a facility with a surface area of only 250 square meters.

Because of the commitment and professionalism of the top-notch staff that has taken shape and specialized over the years, the company has grown constantly, and the factory in Cavriago (in the province of Reggio Emilia) now covers an area of over 18,000 square meters.

The founders have played a leading role in directing the company's growth, thanks to their resolve, commitment and personal approach

to work, which is perceived as a right/duty with the pleasure of creating new things.

This mentality has become the common heritage of the entire Mazzoni team, who work hard to **keep the company flexible and fully able to meet its customers' needs** to the greatest extent possible, not only by offering superior products and excellent after-sale service, but also by supplementing their efforts with direct, solid, honest relationships with the people they deal with.





POMPE / PUMPS



Produciamo all'interno del nostro stabilimento pompe industriali in linea a 3 pistoni ad alta pressione con sistema biella/manovella.

Elevate prestazioni, minima manutenzione ed affidabilità sono garantite da materiali di qualità che ne assicurano una lunga durata nel tempo.

We produce, inside our factory, in line high pressure piston pumps with system rod/crankshaft.

High performance, low maintenance and reliability are guaranteed by quality materials that ensure a long life.

MOTORI ELETTRICI / ELECTRIC MOTORS



I nostri motori elettrici, personalizzati strutturalmente ed elettricamente, sono progettati seguendo le direttive comunitarie ECODESIGN e le normative internazionali di riferimento. Costruttivamente sono disponibili in versione con piedi (B3) e corredate di flange al cui interno è contenuto il giunto elastico. Protezioni termiche, opportunamente studiate, ne garantiscono il funzionamento in qualsiasi tipo di servizio e contro gli usi impropri o casi accidentali.

Our electrical motors, customized structurally and electrically, are designed following the EU directives ECODESIGN and International norms of reference.

Constructively motors are available in version with feet (B3) and equipped with flange, inside which is elastic coupling. Thermal protection, properly studied, guarantee performance in any type of service and against misuse or accidental cases.

MOTOPOMPE / MOTORPUMPS



Pompa e motore sono facilmente smontabili grazie al giunto elastico. Vi sono 4 cuscinetti tra pompa e motore. La pompa scarica sull'asse motore le vibrazioni del moto armonico dei pistoni.

Pump and motor are easily removable thanks to the elastic coupling. There are 4 bearings between pump and motor. Pump discharges on the motor shaft all the vibrations created by piston motion.

CALDAIE / BOILERS



Caldaie diesel, GPL o metano ad alta efficienza di elevata qualità costruttiva, da 10 a 30 lt/min fino a 500 bar ed involucro in acciaio inox standard. La serpentina è disponibile in acciaio e su richiesta in acciaio INOX 304 o 316. Anche le caldaie sono ad alto rendimento e bassi consumi. I valori delle emissioni dei gas sono più bassi di quelli richiesti dalle recenti normative europee.

Boilers are: diesel, LPG or natural gas with high efficiency high quality construction, from 15 to 30 lt / min up to 500 bar and stainless steel standard case. Standard coil is in steel material but it is also available in stainless steel 304 or 316. Boilers are high efficiency and low power consumption, in fact gas emission values are lower than those required by the latest European regulations.

ACCESSORI / ACCESSORIES



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MAZZONI S.R.L.

Dal 1996 l'azienda ha ampliato il proprio raggio d'azione, inserendosi a pieno titolo nel mercato della componentistica industriale. Per entrare nel settore, ad alto tasso di competizione e dinamicità, Mazzoni ha inaugurato una stagione di trasformazione e miglioramenti del know-how tecnico aziendale, puntando su **flessibilità, innovazione e sviluppo**.

Il risultato di questo sforzo è che oggi Mazzoni s.r.l. è un marchio internazionale che si colloca tra i maggiori produttori mondiali di **componentistica industriale per il lavaggio** (pompe, motori e caldaie).

Solo lavorando con cura su ogni dettaglio si possono assicurare prestazioni ottimali, lunga durata e risposte efficaci alle problematiche della clientela.

MAZZONI S.R.L.

In 1996 the company expanded its operations to include the industrial washing components.

*This highly competitive, dynamic sector has required not only improvements in technical skills, but also significant growth in terms of **flexibility, innovation and development**.*

*Mazzoni S.r.l. is a strong player on its market and now one of the world's largest manufacturers of **washing components** (pumps, motors and boilers).*

We can ensure optimal performances, durability and effective answers to the customer's problems working carefully on every detail.





UFFICIO TECNICO

I tecnici di Mazzoni scelgono solo il meglio per i loro clienti: pistoni in ceramica per le pompe ad alta pressione, giunto standard in tutti i motori elettrici ad alto rendimento, caldaie con spessore della serpentina maggiorata, schede elettriche resinate, innovativa valvola by-pass con micro-switch resistente all'acqua e tanti altri particolari che rendono unico il nostro prodotto.

TECHNICAL OFFICE

Mazzoni's technicians choose only the best for their clients: ceramic pistons for high pressure pumps, standard flexible coupling in all high-performance electric motors, boilers with reinforced coil, resined electric cards, new by-pass valve with waterproof micro-switch and many other details that make our product unique.



PRODUZIONE

Mazzoni investe nella ricerca tecnologica e nell'utilizzo di materiali di alta qualità, che possano garantire il massimo in termini di professionalità, efficienza e rispetto per l'ambiente. I materiali utilizzati, i fumi delle caldaie, le ridotte emissioni sonore sono conformi alle normative europee.

PRODUCTION

Mazzoni invests in technological research and usage of high quality materials, which can guarantee the maximum in terms of performance, efficiency and respect for environment. Materials, boilers fumes, and low noise emissions comply European standards.



STABILIMENTO

A Cavriago in provincia di Reggio Emilia, in un contesto produttivo importante, si trova il nostro stabilimento ad elevato contenuto tecnologico: equipaggiato con macchine a controllo numerico e magazzino di ultima generazione. Questo per garantire un'assistenza veloce in prima persona e velocità nella consegna.

FACTORY

Our factory is located in Cavriago. Cavriago is in Reggio Emilia district, in an important productive context. Mazzoni has an high technological content: equipped with numeric control machines and automated warehouses. Mazzoni grants fast assistance and ensures quick delivery.



MAGAZZINO

Mazzoni pensa al futuro ed investe molto in nuove tecnologie: abbiamo terminato da poco un nuovo magazzino alto 16 mt con sistema TRASLO automatico che contiene circa 5000 posti pallet. Disponiamo anche di diversi magazzini verticali automatici per i ricambi. Tutto questo garantisce precisione e consegne rapide dei nostri prodotti.

DEPOT

Mazzoni thinks about the future and invests heavily in new technologies: we have recently completed a 16 meters height new warehouse with TRASLO automatic system that contains about 5000 pallets. We also have several automatic vertical warehouses for spare parts. This ensures precision and quick delivery of our products.

POMPE



PUMPS



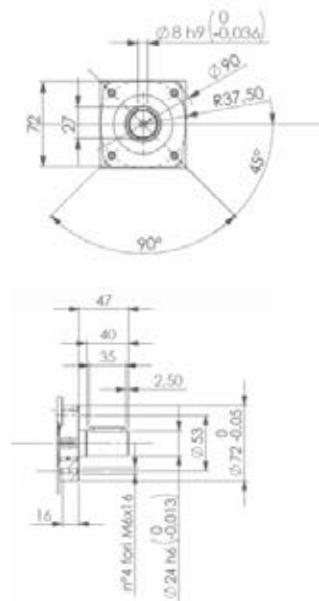
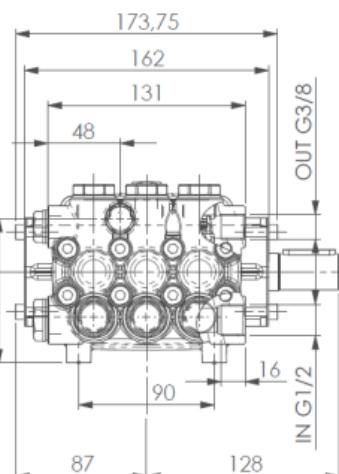
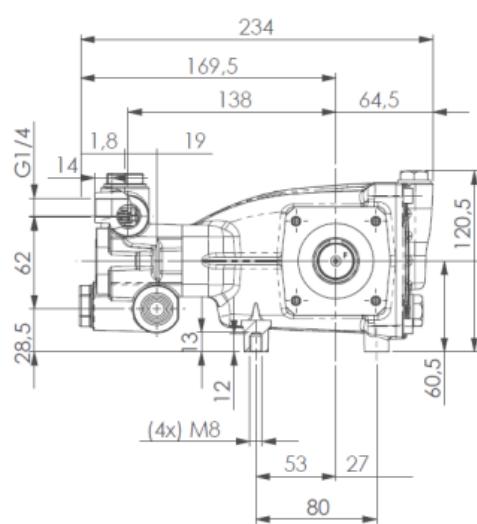


POMPE AD ALTA PRESSIONE

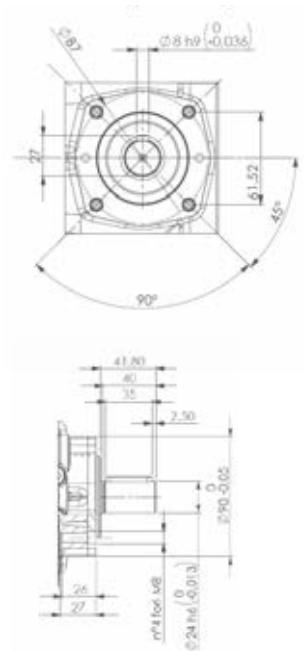
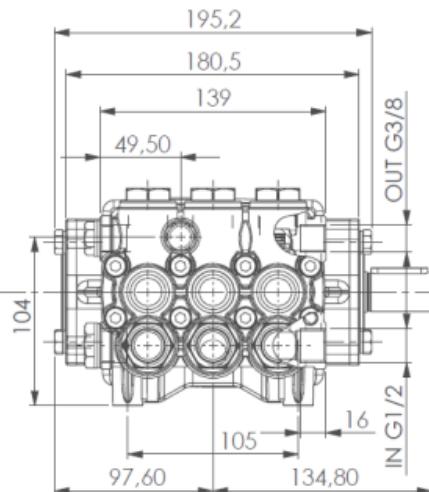
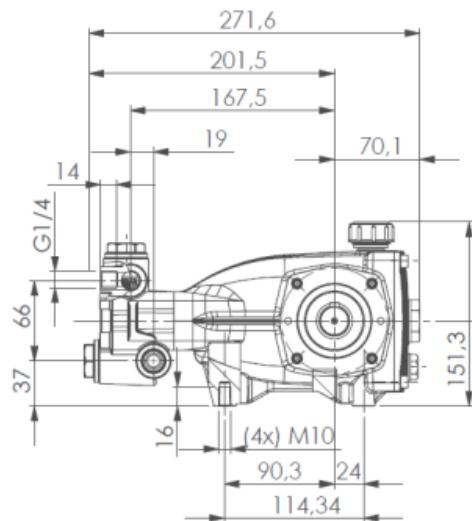
HIGH PRESSURE PUMPS



| PORTATA FLOW RATE lt/min | PRESIONE PRESSURE |
|--------------------------------|-----------------------|
| 50Hz Min: 8.50 - Max: 15.00 | 150 Bar - 2175.57 Psi |
| 60Hz Min: 10.20- Max: 18.00 | |



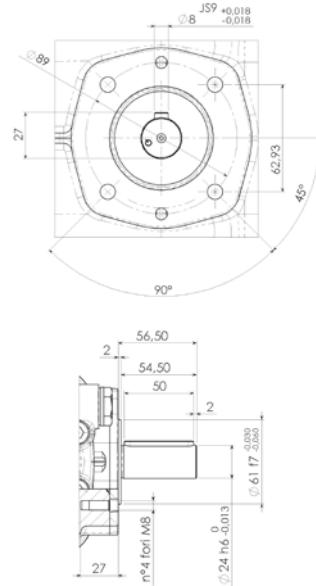
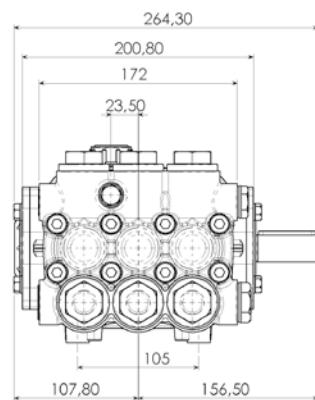
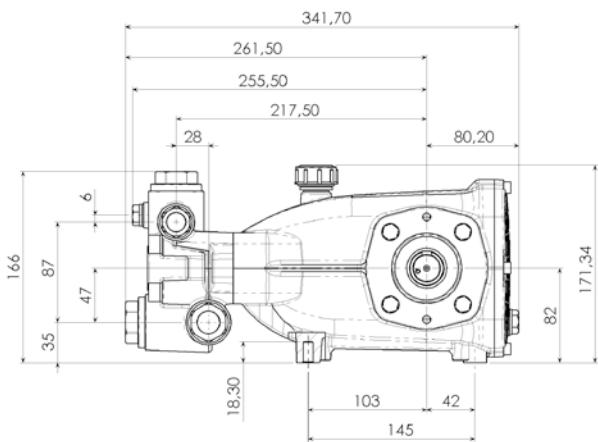
| PORTATA FLOW RATE lt/min | PRESIONE PRESSURE |
|---------------------------------|-----------------------|
| 50Hz Min: 12.00 - Max: 21.00 | 200 Bar - 2900.75 Psi |
| 60Hz Min: 14.4 - Max: 25.20 | |



Serie
GM
Serie



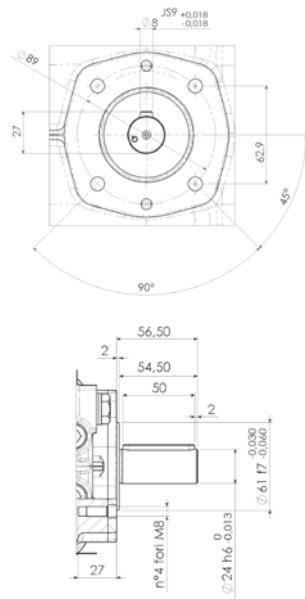
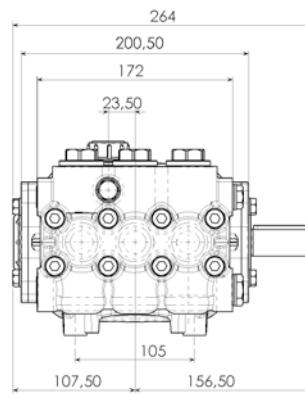
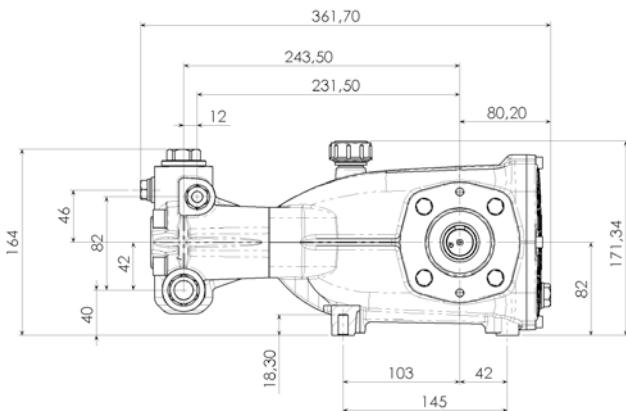
| | PORTATA FLOW RATE lt/min | PRESIONE PRESSURE |
|------|--------------------------------|----------------------------|
| 50Hz | Min: 18.00 - Max: 54.00 | Min: 140 Bar - 2030.53 Psi |
| 60Hz | Min: 21.60 - Max: 64.80 | Max: 300 Bar - 4351.13 Psi |



Serie
XM
Serie



| | PORTATA FLOW RATE lt/min | PRESIONE PRESSURE |
|------|--------------------------------|----------------------------|
| 50Hz | Min: 11.00 - Max: 21.00 | Min: 350 Bar - 5076.32 Psi |
| 60Hz | Min: 13.20 - Max: 25.20 | Max: 500 Bar - 7251.89 Psi |





POMPE AD ALTA PRESSIONE

HIGH PRESSURE PUMPS

1

Aste pistoni di guida rettificati per una riduzione dell'attrito durante lo scorrimento ed una migliore tenuta olio

Ground pistons for smoother stroke and better oil-tightness

2

Albero sovradimensionato con terminale per una migliore trasmissione della coppia

Oversized shaft and long end section for better torque transmission

3

Pistoni in ceramica di grosso spessore per una maggiore durata

Extra-thick ceramic pistons for greater durability

4

Valvole di aspirazione e mandata con passaggi acqua maggiorati

Intake and delivery valves with larger water passages

5

Bielle realizzate con una speciale lega antifrizione

Rods made of a special alloy antifriction

6

Testa pompa in ottone fuso con disegno per alta resistenza

Forged brass pump head, designed for strength

7

Sistema di tenuta a doppia guarnizione - A richiesta tenute alta temperatura 85°C

Double gasket sealing system - On Demand high temperature seals 85°C

8

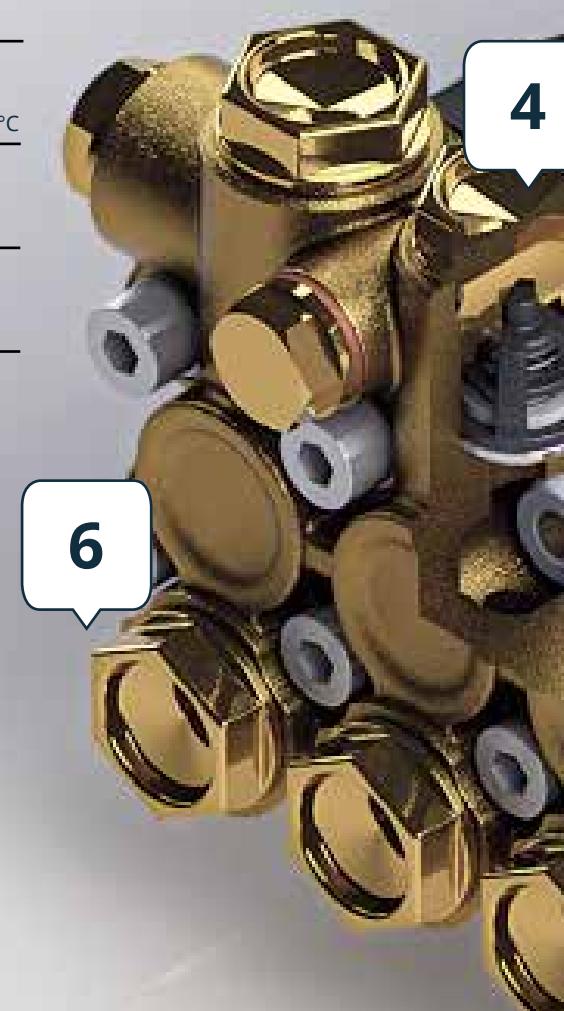
Cuscinetti a rulli conici ad alta resistenza (Sfera solo PM)

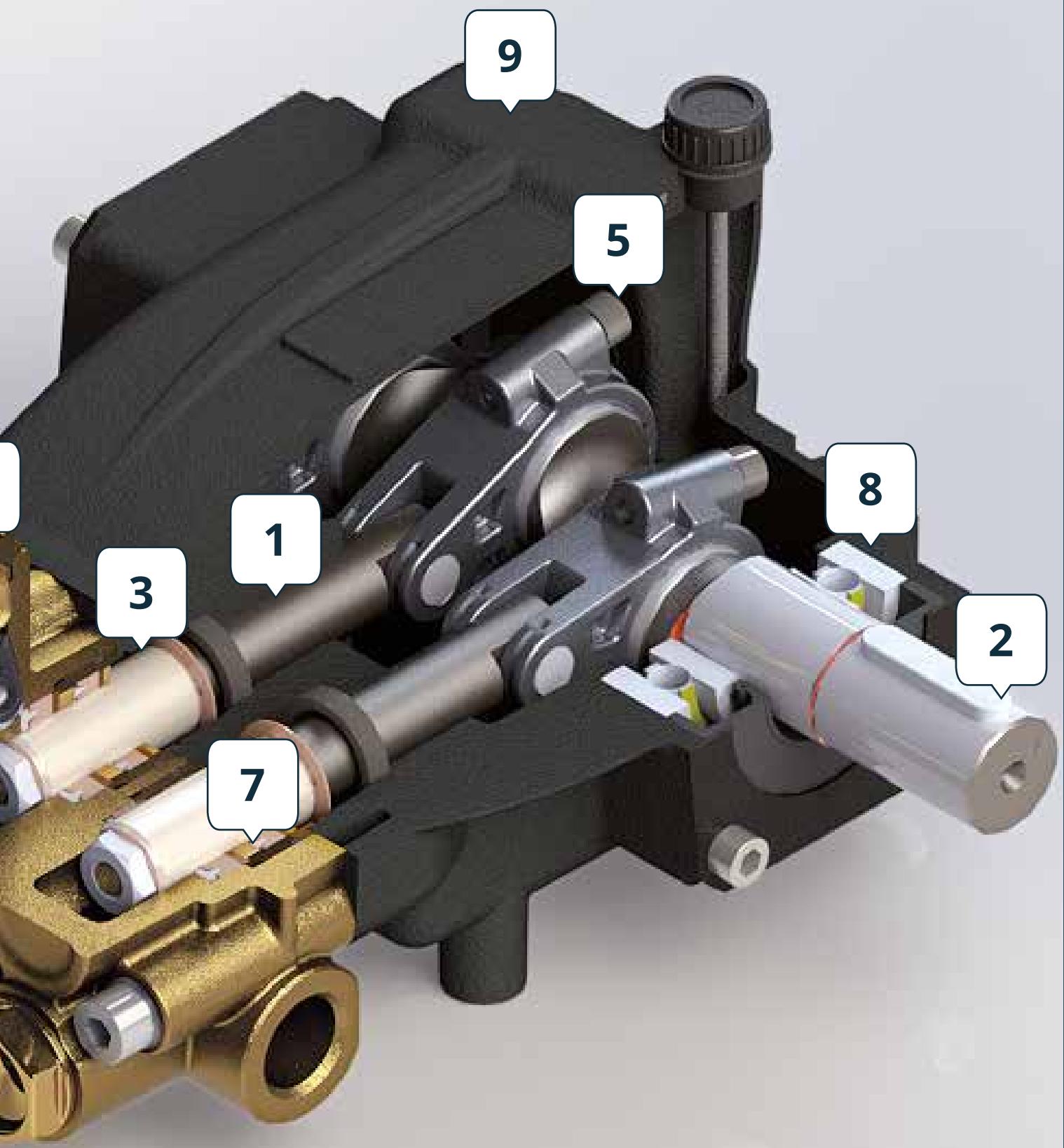
Tapered roller bearings with high resistance (Ball bearings only PM)

9

Forma del corpo pompa studiato per resistere nel tempo

Body of the pump designed for long-term durability





Serie **PM** Series



ON DEMAND

Tenute alta temperatura 85°C
High Temperature seals 85°C



Caratteristiche principali / Technical features

| PM | PORTATA FLOW RATE lt/min | GIRI ROUNDS | PRESIONE PRESSURE | CAPACITA' OLIO OIL CAPACITY | PESO NET WEIGHT |
|------|--------------------------------|----------------|-----------------------|--------------------------------|--------------------|
| 50Hz | Min: 8.50 - Max: 15.00 | 1450 Rpm | 150 Bar - 2175.57 Psi | 0.4 Lt | 7.5 Kg |
| 60Hz | Min: 10.20- Max: 18.00 | 1740 Rpm | | | |



| Codice Code | Modello Model | Portata / Flow Rate lt/min | | Pressione / Pressure | | Potenza / Power | | | | Albero Shaft L: 40mm Ø 24 | |
|----------------|------------------|-------------------------------|-------------|----------------------|---------|-----------------|------|------|------|------------------------------------|--|
| | | 1450 rpm | 1740 rpm | Bar | Psi | 50Hz | | 60Hz | | | |
| | | | | | | HP | Kw | HP | Kw | | |
| P3.010.002 | PM8150R | 8.50 | 10.20 | 150.00 | 2175.57 | 3.31 | 2.47 | 3.97 | 2.96 | Destra / Right | |
| P3.010.003 | PM10150R | 10.00 | 12.00 | 150.00 | 2175.57 | 3.90 | 2.91 | 4.68 | 3.49 | Destra / Right | |
| P3.010.004 | PM11150R | 11.00 | 13.20 | 150.00 | 2175.57 | 4.29 | 3.20 | 5.14 | 3.83 | Destra / Right | |
| P3.010.005 | PM12150R | 12.00 | 14.40 | 150.00 | 2175.57 | 4.68 | 3.49 | 5.61 | 4.18 | Destra / Right | |
| P3.010.006 | PM13150R | 13.00 | 15.60 | 150.00 | 2175.57 | 5.06 | 3.77 | 6.08 | 4.53 | Destra / Right | |
| P3.010.007 | PM14150R | 14.00 | 16.80 | 150.00 | 2175.57 | 5.45 | 4.06 | 6.55 | 4.88 | Destra / Right | |
| P3.010.001 | PM15150R | 15.00 | 18.00 | 150.00 | 2175.57 | 5.84 | 4.35 | 7.01 | 5.22 | Destra / Right | |
| P3.010.009 | PM8150L | 8.50 | 10.20 | 150.00 | 2175.57 | 3.31 | 2.47 | 3.97 | 2.96 | Sinistra / Left | |
| P3.010.010 | PM10150L | 10.00 | 12.00 | 150.00 | 2175.57 | 3.31 | 2.47 | 4.68 | 3.49 | Sinistra / Left | |
| P3.010.011 | PM11150L | 11.00 | 13.20 | 150.00 | 2175.57 | 4.29 | 3.20 | 5.14 | 3.83 | Sinistra / Left | |
| P3.010.012 | PM12150L | 12.00 | 14.40 | 150.00 | 2175.57 | 4.68 | 3.49 | 5.61 | 4.18 | Sinistra / Left | |
| P3.010.013 | PM13150L | 13.00 | 15.60 | 150.00 | 2175.57 | 5.06 | 3.77 | 6.08 | 4.53 | Sinistra / Left | |
| P3.010.014 | PM14150L | 14.00 | 16.80 | 150.00 | 2175.57 | 5.45 | 4.06 | 6.55 | 4.88 | Sinistra / Left | |
| P3.010.008 | PM15150L | 15.00 | 18.00 | 150.00 | 2175.57 | 5.84 | 4.35 | 7.01 | 5.22 | Sinistra / Left | |

RICAMBI / SPARE PARTS

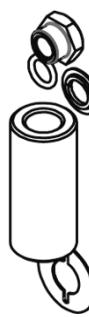
GUARNIZIONE PISTONE Ø18 POMPA PM PACCO COMPLETO PLUNGER SEAL Ø18 COMPLETE PACK PM PUMP



| | | |
|------------|-----|---------------------------------------|
| P1.024.002 | x 1 | Diffusore / Diffusor Ø 18 "PM" |
| P1.070.002 | x 1 | Pressore / Pressure Ring Ø 18 "PM" |
| P4.005.012 | x 1 | O-Ring 2112 |
| P4.100.003 | x 1 | Guarnizione / Seal Ø18xØ26x8 |
| P4.100.004 | x 1 | Guarnizione / Seal Ø18xØ28x10 |

KIT - P9.003.004

PISTONE Ø18 POMPA PM PLUNGER Ø18 PM PUMP



| | | |
|------------|-----|--|
| P1.003.001 | x 1 | Rondella Rame/Copper washer Ø23.5 x Ø11.2 x 0.5 |
| P1.027.001 | x 1 | Anello / Ring 11 x 8.3 x 1.3 |
| P1.071.002 | x 1 | Pistone / Piston Ø18 x 40 |
| P4.005.004 | x 1 | O-Ring 2031 |
| P4.009.004 | x 1 | Rondella Rame/Copper washer Ø11.2 x Ø15 x 0.5 |
| P1.035.001 | x 1 | Dado / Nut M8x1 |

KIT - P9.004.002

VALVOLA COMPLETA COMPLETE VALVE



| | | |
|-------------|-----|---------------------------------|
| P2.003.002 | x 6 | Valvola VAM / Vam Valve Ø 20 |
| P 4.005.008 | x 6 | O-Ring 2075 |
| P 4.005.009 | x 6 | O-Ring 3062 |

P9.001.002

GUARNIZIONE PISTONE Ø18 POMPA PM PLUNGER SEAL Ø18 PM PUMP



| | | |
|------------|-----|----------------------------------|
| P4.100.003 | x 3 | Guarnizione / Seal Ø18xØ26x8 |
| P4.005.012 | x 3 | O-Ring 2112 |
| P4.100.004 | x 3 | Guarnizione / Seal Ø18xØ28x10 |

P9.003.003



| | | |
|------------|-----|-----------------------|
| P4.015.002 | x 3 | Anello / Ring 16x24x2 |
|------------|-----|-----------------------|

Serie **MM** Series



ON DEMAND

Tenute alta temperatura 85°C
High Temperature seals 85°C



Caratteristiche principali / Technical features

| MM | PORTATA FLOW RATE lt/min | GIRI ROUNDS | PRESIONE PRESSURE | CAPACITA' OLIO OIL CAPACITY | PESO NET WEIGHT |
|------|--------------------------------|----------------|-----------------------|--------------------------------|--------------------|
| 50Hz | Min: 12.00 - Max: 21.00 | 1450 Rpm | 200 Bar - 2900.75 Psi | 0.7 Lt | 10.4 Kg |
| 60Hz | Min: 14.40 - Max: 25.20 | 1740 Rpm | | | |

CARATTERISTICHE TECNICHE ED ACCESSORI

TECHNICAL FEATURES AND ACCESSORIES



| Codice Code | Modello Model | Portata / Flow Rate | | Pressione / Pressure | | Potenza / Power | | Potenza / Power | | Albero Shaft L: 40mm Ø 24 | |
|----------------|------------------|---------------------|---------------------|----------------------|------------|-----------------|-----------|-----------------|-----------|------------------------------------|--|
| | | 1450 rpm | | Bar | | 50Hz | | 60Hz | | | |
| | | HP | Kw | HP | Kw | HP | Kw | HP | Kw | | |
| P3.020.003 | MM12200R | 12.00 | 14.40 | 200.00 | 2900.75 | 6.23 | 4.64 | 7.48 | 5.57 | Destra / Right | |
| P3.020.002 | MM15200R | 15.00 | 18.00 | 200.00 | 2900.75 | 7.79 | 5.80 | 9.35 | 6.97 | Destra / Right | |
| P3.020.004 | MM18200R | 18.00 | 21.60 | 200.00 | 2900.75 | 9.35 | 6.97 | 11.22 | 8.36 | Destra / Right | |
| P3.020.001 | MM21200R | 21.00 | 25.20 | 200.00 | 2900.75 | 10.91 | 8.13 | 13.09 | 9.75 | Destra / Right | |
| P3.020.008 | MM12200L | 12.00 | 14.40 | 200.00 | 2900.75 | 6.23 | 4.64 | 7.48 | 5.57 | Sinistra / Left | |
| P3.020.006 | MM15200L | 15.00 | 18.00 | 200.00 | 2900.75 | 7.79 | 5.80 | 9.35 | 6.97 | Sinistra / Left | |
| P3.020.009 | MM18200L | 18.00 | 21.60 | 200.00 | 2900.75 | 9.35 | 6.97 | 11.22 | 8.36 | Sinistra / Left | |
| P3.020.007 | MM21200L | 21.00 | 25.20 | 200.00 | 2900.75 | 10.9 | 8.12 | 13.09 | 9.75 | Sinistra / Left | |
| | | 1000 rpm | 1200 rpm | Bar | Psi | HP | Kw | HP | Kw | | |
| P3.020.005 | MM15200R | 15.00 | 18.00 | 200.00 | 2900.75 | 7.79 | 5.80 | 9.35 | 6.97 | Destra / Right | |
| P3.020.010 | MM15200L | 15.00 | 18.00 | 200.00 | 2900.75 | 7.79 | 5.80 | 9.35 | 6.97 | Sinistra / Left | |

RICAMBI / SPARE PARTS



GUARNIZIONE PISTONE Ø20 POMPA MM PACCO COMPLETO

PLUNGER SEAL Ø20 COMPLETE PACK MM PUMP



| | | |
|------------|-----|---|
| P1.024.001 | x 1 | Diffusore / Diffusor Ø 20 |
| P1.070.001 | x 1 | Pressore / Pressure Ring "U" Ø 20 "MM" |
| P4.005.003 | x 1 | O-Ring 2125 |
| P4.100.001 | x 1 | Guarnizione / Seal Ø20 Ø30x9 |
| P4.100.002 | x 1 | Guarnizione / Seal Ø20 Ø28x8 |

KIT - P9.003.002

VALVOLA COMPLETA

COMPLETE VALVE



| | | |
|-------------|-----|--------------------------------------|
| P2.003.001 | x 6 | Valvola VAM / Valve VAM 21 lt/min |
| P 4.005.002 | x 6 | O-Ring 3081 |
| P 4.005.001 | x 6 | O-Ring 3068 NBR |

P9.001.001

PISTONE Ø20 POMPA MM

PLUNGER Ø20 MM PUMP



| | | |
|------------|-----|--|
| P1.003.001 | x 1 | Rondella Rame/Copper washer Ø23.5xØ11.2x0.5 |
| P1.035.001 | x 1 | Dado / Nut M8x1 |
| P1.071.001 | x 1 | Pistone / Piston Ø20 |
| P4.009.004 | x 1 | Rondella Rame/Copper washer Ø11.2xØ15x0.5 |
| P1.027.001 | x 1 | Anello / Ring 11x8.3x1.3 |
| P4.005.004 | x 1 | O-Ring 2031 |

KIT - P9.004.001

GUARNIZIONE PISTONE Ø20 POMPA MM

PLUNGER SEAL Ø20 MM PUMP



| | | |
|-------------|-----|---------------------------------|
| P4.100.002 | x 3 | Guarnizione / Seal Ø20xØ28x8 |
| P4.005.0003 | x 3 | O-Ring 2125 |
| P4.100.001 | x 3 | Guarnizione / Seal Ø20xØ30x9 |

P9.003.001

P9.039.001 ANELLI TENUTA OLIO ASTA POMPA MM PM / CRANKSHAFT OIL SEAL PUMP MM PM



| | | |
|------------|-----|-----------------------|
| P4.015.002 | x 3 | Anello / Ring 16x24x2 |
|------------|-----|-----------------------|

Serie **GM** Series



ON DEMAND from 01/01/2016

Tenute alta temperatura 85°C
High Temperature seals 85°C



Caratteristiche principali / Technical features

| GM | PORTATA FLOW RATE lt/min | GIRI ROUNDS | PRESIONE PRESSURE | CAPACITA' OLIO OIL CAPACITY | PESO NET WEIGHT |
|------|--------------------------------|----------------|--|--------------------------------|--------------------|
| 50Hz | Min: 18.00 - Max: 54.00 | 1450 Rpm | Min: 140 Bar - 2030.00 Psi Max: 300 Bar - 4351.13 Psi | 1.2 Lt | 14 Kg |
| 60Hz | Min: 21.60 - Max: 64.80 | 1740 Rpm | | | |

SERIE GM - Albero a destra

GM SERIES - Right shaft



| Codice Code | Modello Model | Portata / Flow Rate lt/min | | Pressione / Pressure rpm | | Potenza / Power 50Hz | | Potenza / Power 60Hz | | Albero Shaft L: 55mm Ø 24 |
|----------------|------------------|-------------------------------|-------------|-----------------------------|---------|-------------------------|-------|-------------------------|-------|------------------------------------|
| | | 1450 rpm | 1740 rpm | Bar | Psi | HP | Kw | HP | Kw | |
| P3.030.001 | GM18300R | 18.00 | 21.60 | 300.00 | 4351.13 | 14.03 | 10.45 | 16.83 | 12.54 | Destra / Right |
| P3.030.002 | GM22300R | 22.00 | 26.40 | 300.00 | 4351.13 | 17.14 | 12.77 | 20.57 | 15.33 | Destra / Right |
| P3.030.004 | GM25200R | 25.00 | 30.00 | 200.00 | 2900.75 | 12.99 | 9.68 | 15.58 | 11.61 | Destra / Right |
| P3.030.003 | GM25300R | 25.00 | 30.00 | 300.00 | 4351.13 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right |
| P3.030.005 | GM27300R | 27.00 | 32.40 | 300.00 | 4351.13 | 21.04 | 15.67 | 25.25 | 18.81 | Destra / Right |
| P3.030.007 | GM30200R | 30.00 | 36.00 | 200.00 | 2900.75 | 15.58 | 11.61 | 18.70 | 13.93 | Destra / Right |
| P3.030.006 | GM30250R | 30.00 | 36.00 | 250.00 | 3625.94 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right |
| P3.030.008 | GM33250R | 33.00 | 39.60 | 250.00 | 3625.94 | 21.43 | 15.96 | 25.71 | 19.16 | Destra / Right |
| P3.030.009 | GM35170R | 35.00 | 42.00 | 170.00 | 2465.64 | 15.45 | 11.51 | 18.55 | 13.82 | Destra / Right |
| P3.030.011 | GM40140R | 40.00 | 48.00 | 140.00 | 2030.53 | 14.55 | 10.84 | 17.45 | 13.00 | Destra / Right |
| P3.030.010 | GM40170R | 40.00 | 48.00 | 170.00 | 2465.64 | 17.66 | 13.16 | 21.19 | 15.79 | Destra / Right |
| P3.030.012 | GM43170R | 43.00 | 51.60 | 170.00 | 2465.64 | 18.99 | 14.15 | 22.78 | 16.97 | Destra / Right |
| P3.030.013 | GM50150R | 50.00 | 60.00 | 150.00 | 2175.57 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right |
| P3.030.014 | GM54150R | 54.00 | 64.80 | 150.00 | 2175.57 | 21.04 | 15.67 | 25.25 | 18.81 | Destra / Right |





SERIE GM - Albero a sinistra

GM SERIES - Left shaft

| Codice Code | Modello Model | Portata / Flow Rate lt/min | | Pressione / Pressure | | Potenza / Power | | Potenza / Power | | Albero Shaft L: 55mm Ø 24 | |
|----------------|------------------|-------------------------------|-------------|----------------------|---------|-----------------|-------|-----------------|-------|------------------------------------|--|
| | | 1450 rpm | 1740 rpm | Bar | Psi | 50Hz | | 60Hz | | | |
| | | | | | | HP | Kw | HP | Kw | | |
| P3.030.015 | GM18300L | 18.00 | 21.60 | 300.00 | 4351.13 | 14.03 | 10.45 | 16.83 | 12.54 | Sinistra / Left | |
| P3.030.016 | GM22300L | 22.00 | 26.40 | 300.00 | 4351.13 | 17.14 | 12.77 | 20.57 | 15.33 | Sinistra / Left | |
| P3.030.018 | GM25200L | 25.00 | 30.00 | 200.00 | 2900.75 | 12.99 | 9.68 | 15.58 | 11.61 | Sinistra / Left | |
| P3.030.017 | GM25300L | 25.00 | 30.00 | 300.00 | 4351.13 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left | |
| P3.030.019 | GM27300L | 27.00 | 32.40 | 300.00 | 4351.13 | 21.04 | 15.67 | 25.25 | 18.81 | Sinistra / Left | |
| P3.030.021 | GM30200L | 30.00 | 36.00 | 200.00 | 2900.75 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left | |
| P3.030.020 | GM30250L | 30.00 | 36.00 | 250.00 | 3625.94 | 15.58 | 11.61 | 18.70 | 13.93 | Sinistra / Left | |
| P3.030.022 | GM33250L | 33.00 | 39.60 | 250.00 | 3625.94 | 21.43 | 15.96 | 25.71 | 19.16 | Sinistra / Left | |
| P3.030.023 | GM35170L | 35.00 | 42.00 | 170.00 | 2465.64 | 15.45 | 11.51 | 18.55 | 13.82 | Sinistra / Left | |
| P3.030.025 | GM40140L | 40.00 | 48.00 | 140.00 | 2030.53 | 14.55 | 10.84 | 17.45 | 13.00 | Sinistra / Left | |
| P3.030.024 | GM40170L | 40.00 | 48.00 | 170.00 | 2465.64 | 17.66 | 13.16 | 21.19 | 15.79 | Sinistra / Left | |
| P3.030.026 | GM43170L | 43.00 | 51.60 | 170.00 | 2465.64 | 18.99 | 14.15 | 22.78 | 16.97 | Sinistra / Left | |
| P3.030.027 | GM50150L | 50.00 | 60.00 | 150.00 | 2175.57 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left | |
| P3.030.028 | GM54150L | 54.00 | 64.80 | 150.00 | 2175.57 | 21.04 | 15.67 | 25.25 | 18.81 | Sinistra / Left | |



Serie **XM** Series



ON DEMAND from 01/01/2016

Tenute alta temperatura 85°C
High Temperature seals 85°C



Caratteristiche principali / Technical features

| XM | PORTATA FLOW RATE lt/min | GIRI ROUNDS | PRESIONE PRESSURE | CAPACITA' OLIO OIL CAPACITY | PESO NET WEIGHT |
|------|--------------------------------|----------------|----------------------------|--------------------------------|--------------------|
| 50Hz | Min: 11.00- Max: 21.00 | 1450 Rpm | Min: 350 Bar - 5076.32 Psi | | |
| 60Hz | Min: 13.20 - Max: 25.20 | 1740 Rpm | Max: 500 Bar - 7251.89 Psi | 1.2 Lt | 17 Kg |



SERIE XM

XM SERIES

| Codice Code | Modello Model | Portata / Flow Rate lt/min | | Pressione / Pressure | | Potenza / Power | | Potenza / Power | | Albero Shaft L: 55mm Ø 24 | |
|----------------|------------------|--------------------------------------|--------------------|----------------------|---------|-----------------|-----------|-----------------|-----------|------------------------------------|--|
| | | 1450 rpm | 1740 rpm | Bar | Psi | 50Hz | | 60Hz | | | |
| | | | | | | HP | Kw | HP | Kw | | |
| P3.031.001 | XM11350R | 11.00 | 13.20 | 350.00 | 5076.32 | 10.00 | 7.45 | 12.00 | 8.94 | Destra / Right | |
| P3.031.005 | XM11500R | 11.00 | 13.20 | 500.00 | 7251.89 | 14.29 | 10.64 | 17.14 | 12.77 | Destra / Right | |
| P3.031.002 | XM15350R | 15.00 | 18.00 | 350.00 | 5076.32 | 13.64 | 10.16 | 16.36 | 12.19 | Destra / Right | |
| P3.031.006 | XM15500R | 15.00 | 18.00 | 500.00 | 7251.89 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right | |
| P3.031.003 | XM17350R | 17.00 | 20.40 | 350.00 | 5076.32 | 15.45 | 11.51 | 18.55 | 13.82 | Destra / Right | |
| P3.031.007 | XM17500R | 17.00 | 20.40 | 500.00 | 7251.89 | 22.08 | 16.45 | 26.49 | 19.74 | Destra / Right | |
| P3.031.004 | XM21350R | 21.00 | 25.20 | 350.00 | 5076.32 | 19.09 | 14.22 | 22.91 | 17.07 | Destra / Right | |
| P3.031.008 | XM21500R | 21.00 | 25.20 | 500.00 | 7251.89 | 27.27 | 20.32 | 32.73 | 24.38 | Destra / Right | |
| P3.031.009 | XM11350L | 11.00 | 13.20 | 350.00 | 5076.32 | 10.00 | 7.45 | 12.00 | 8.94 | Sinistra / Left | |
| P3.031.013 | XM11500L | 11.00 | 13.20 | 500.00 | 7251.89 | 14.29 | 10.64 | 17.14 | 12.77 | Sinistra / Left | |
| P3.031.010 | XM15350L | 15.00 | 18.00 | 350.00 | 5076.32 | 13.64 | 10.16 | 16.36 | 12.19 | Sinistra / Left | |
| P3.031.014 | XM15500L | 15.00 | 18.00 | 500.00 | 7251.89 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left | |
| P3.031.011 | XM17350L | 17.00 | 20.40 | 350.00 | 5076.32 | 15.45 | 11.51 | 18.55 | 13.82 | Sinistra / Left | |
| P3.031.015 | XM17500L | 17.00 | 20.40 | 500.00 | 7251.89 | 22.08 | 16.45 | 26.49 | 19.74 | Sinistra / Left | |
| P3.031.012 | XM21350L | 21.00 | 25.20 | 350.00 | 5076.32 | 19.09 | 14.22 | 22.91 | 17.07 | Sinistra / Left | |
| P3.031.016 | XM21500L | 21.00 | 25.20 | 500.00 | 7251.89 | 27.27 | 20.32 | 32.73 | 24.38 | Sinistra / Left | |



POMPE ORDINATE PER PRESSIONE

PUMPS LISTED ACCORDING TO PRESSURE



| Codice Code | Modello Model | Pressione / Pressure | | Portata / Flow Rate | | Potenza / Power | | Potenza / Power | Albero Shaft Ø 24 | |
|----------------|------------------|----------------------|---------|---------------------|---------|-----------------|-------|-----------------|-----------------------------|-----------------|
| | | Bar | Psi | lt/min | | 50Hz | | 60Hz | | |
| | | | | 1450 rpm | 1740rpm | HP | Kw | HP | Kw | |
| P3.030.011 | GM40140R | 140.00 | 2030.53 | 40.00 | 48.00 | 14.55 | 10.84 | 17.45 | 13.00 | Destra / Right |
| P3.030.025 | GM40140L | 140.00 | 2030.53 | 40.00 | 48.00 | 14.55 | 10.84 | 17.45 | 13.00 | Sinistra / Left |
| P3.010.002 | PM8150R | 150.00 | 2175.57 | 8.50 | 10.20 | 3.31 | 2.47 | 3.97 | 2.96 | Destra / Right |
| P3.010.009 | PM8150L | 150.00 | 2175.57 | 8.50 | 10.20 | 3.31 | 2.47 | 3.97 | 2.96 | Sinistra / Left |
| P3.010.003 | PM10150R | 150.00 | 2175.57 | 10.00 | 12.00 | 3.90 | 2.91 | 4.68 | 3.49 | Destra / Right |
| P3.010.010 | PM10150L | 150.00 | 2175.57 | 10.00 | 12.00 | 3.31 | 2.47 | 4.68 | 3.49 | Sinistra / Left |
| P3.010.004 | PM11150R | 150.00 | 2175.57 | 11.00 | 13.20 | 4.29 | 3.20 | 5.14 | 3.83 | Destra / Right |
| P3.010.011 | PM11150L | 150.00 | 2175.57 | 11.00 | 13.20 | 4.29 | 3.20 | 5.14 | 3.83 | Sinistra / Left |
| P3.010.005 | PM12150R | 150.00 | 2175.57 | 12.00 | 14.40 | 4.68 | 3.49 | 5.61 | 4.18 | Destra / Right |
| P3.010.012 | PM12150L | 150.00 | 2175.57 | 12.00 | 14.40 | 4.68 | 3.49 | 5.61 | 4.18 | Sinistra / Left |
| P3.010.006 | PM13150R | 150.00 | 2175.57 | 13.00 | 15.60 | 5.06 | 3.77 | 6.08 | 4.53 | Destra / Right |
| P3.010.013 | PM13150L | 150.00 | 2175.57 | 13.00 | 15.60 | 5.06 | 3.77 | 6.08 | 4.53 | Sinistra / Left |
| P3.010.007 | PM14150R | 150.00 | 2175.57 | 14.00 | 16.80 | 5.45 | 4.06 | 6.55 | 4.88 | Destra / Right |
| P3.010.014 | PM14150L | 150.00 | 2175.57 | 14.00 | 16.80 | 5.45 | 4.06 | 6.55 | 4.88 | Sinistra / Left |
| P3.010.001 | PM15150R | 150.00 | 2175.57 | 15.00 | 18.00 | 5.84 | 4.35 | 7.01 | 5.22 | Destra / Right |
| P3.010.008 | PM15150L | 150.00 | 2175.57 | 15.00 | 18.00 | 5.84 | 4.35 | 7.01 | 5.22 | Sinistra / Left |
| P3.030.013 | GM50150R | 150.00 | 2175.57 | 50.00 | 60.00 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right |
| P3.030.027 | GM50150L | 150.00 | 2175.57 | 50.00 | 60.00 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left |
| P3.030.014 | GM54150R | 150.00 | 2175.57 | 54.00 | 64.80 | 21.04 | 15.67 | 25.25 | 18.81 | Destra / Right |
| P3.030.028 | GM54150L | 150.00 | 2175.57 | 54.00 | 64.80 | 21.04 | 15.67 | 25.25 | 18.81 | Sinistra / Left |
| P3.030.009 | GM35170R | 170.00 | 2465.64 | 35.00 | 42.00 | 15.45 | 11.51 | 18.55 | 13.82 | Destra / Right |
| P3.030.023 | GM35170L | 170.00 | 2465.64 | 35.00 | 42.00 | 15.45 | 11.51 | 18.55 | 13.82 | Sinistra / Left |
| P3.030.010 | GM40170R | 170.00 | 2465.64 | 40.00 | 48.00 | 17.66 | 13.16 | 21.19 | 15.79 | Destra / Right |
| P3.030.024 | GM40170L | 170.00 | 2465.64 | 40.00 | 48.00 | 17.66 | 13.16 | 21.19 | 15.79 | Sinistra / Left |
| P3.030.012 | GM43170R | 170.00 | 2465.64 | 43.00 | 51.60 | 18.99 | 14.15 | 22.78 | 16.97 | Destra / Right |
| P3.030.026 | GM43170L | 170.00 | 2465.64 | 43.00 | 51.60 | 18.99 | 14.15 | 22.78 | 16.97 | Sinistra / Left |
| P3.020.003 | MM12200R | 200.00 | 2900.75 | 12.00 | 14.40 | 6.23 | 4.64 | 7.48 | 5.57 | Destra / Right |
| P3.020.008 | MM12200L | 200.00 | 2900.75 | 12.00 | 14.40 | 6.23 | 4.64 | 7.48 | 5.57 | Sinistra / Left |
| P3.020.002 | MM15200R | 200.00 | 2900.75 | 15.00 | 18.00 | 7.79 | 5.80 | 9.35 | 6.97 | Destra / Right |
| P3.020.006 | MM15200L | 200.00 | 2900.75 | 15.00 | 18.00 | 7.79 | 5.80 | 9.35 | 6.97 | Sinistra / Left |
| P3.020.004 | MM18200R | 200.00 | 2900.75 | 18.00 | 21.60 | 9.35 | 6.97 | 11.22 | 8.36 | Destra / Right |



POMPE ORDINATE PER PRESSIONE

PUMPS LISTED ACCORDING TO PRESSURE

| Codice Code | Modello Model | Pressione / Pressure | | Portata / Flow Rate | | Potenza / Power | | Potenza / Power | | Albero Shaft Ø 24 | |
|----------------|------------------|----------------------|---------|---------------------|----------|-----------------|-------|-----------------|-------|-------------------------|--|
| | | Bar | Psi | lt/min | | 50Hz | | 60Hz | | | |
| | | | | 1450 rpm | 1740 rpm | HP | Kw | HP | Kw | | |
| P3.020.009 | MM18200L | 200.00 | 2900.75 | 18.00 | 21.60 | 9.35 | 6.97 | 11.22 | 8.36 | Sinistra / Left | |
| P3.020.001 | MM21200R | 200.00 | 2900.75 | 21.00 | 25.20 | 10.91 | 8.13 | 13.09 | 9.75 | Destra / Right | |
| P3.020.007 | MM21200L | 200.00 | 2900.75 | 21.00 | 25.20 | 10.9 | 8.12 | 13.09 | 9.75 | Sinistra / Left | |
| P3.030.004 | GM25200R | 200.00 | 2900.75 | 25.00 | 30.00 | 12.99 | 9.68 | 15.58 | 11.61 | Destra / Right | |
| P3.030.018 | GM25200L | 200.00 | 2900.75 | 25.00 | 30.00 | 12.99 | 9.68 | 15.58 | 11.61 | Sinistra / Left | |
| P3.030.007 | GM30200R | 200.00 | 2900.75 | 30.00 | 36.00 | 15.58 | 11.61 | 18.70 | 13.93 | Destra / Right | |
| P3.030.021 | GM30200L | 200.00 | 2900.75 | 30.00 | 36.00 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left | |
| P3.030.006 | GM30250R | 250.00 | 3625.94 | 30.00 | 36.00 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right | |
| P3.030.020 | GM30250L | 250.00 | 3625.94 | 30.00 | 36.00 | 15.58 | 11.61 | 18.70 | 13.93 | Sinistra / Left | |
| P3.030.008 | GM33250R | 250.00 | 3625.94 | 33.00 | 39.60 | 21.43 | 15.96 | 25.71 | 19.16 | Destra / Right | |
| P3.030.022 | GM33250L | 250.00 | 3625.94 | 33.00 | 39.60 | 21.43 | 15.96 | 25.71 | 19.16 | Sinistra / Left | |
| P3.030.001 | GM18300R | 300.00 | 4351.13 | 18.00 | 21.60 | 14.03 | 10.45 | 16.83 | 12.54 | Destra / Right | |
| P3.030.015 | GM18300L | 300.00 | 4351.13 | 18.00 | 21.60 | 14.03 | 10.45 | 16.83 | 12.54 | Sinistra / Left | |
| P3.030.002 | GM22300R | 300.00 | 4351.13 | 22.00 | 26.40 | 17.14 | 12.77 | 20.57 | 15.33 | Destra / Right | |
| P3.030.016 | GM22300L | 300.00 | 4351.13 | 22.00 | 26.40 | 17.14 | 12.77 | 20.57 | 15.33 | Sinistra / Left | |
| P3.030.003 | GM25300R | 300.00 | 4351.13 | 25.00 | 30.00 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right | |
| P3.030.017 | GM25300L | 300.00 | 4351.13 | 25.00 | 30.00 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left | |
| P3.030.005 | GM27300R | 300.00 | 4351.13 | 27.00 | 32.40 | 21.04 | 15.67 | 25.25 | 18.81 | Destra / Right | |
| P3.030.019 | GM27300L | 300.00 | 4351.13 | 27.00 | 32.40 | 21.04 | 15.67 | 25.25 | 18.81 | Sinistra / Left | |
| P3.031.001 | XM11350R | 350.00 | 5076.32 | 11.00 | 13.20 | 10.00 | 7.45 | 12.00 | 8.94 | Destra / Right | |
| P3.031.009 | XM11350L | 350.00 | 5076.32 | 11.00 | 13.20 | 10.00 | 7.45 | 12.00 | 8.94 | Sinistra / Left | |
| P3.031.002 | XM15350R | 350.00 | 5076.32 | 15.00 | 18.00 | 13.64 | 10.16 | 16.36 | 12.19 | Destra / Right | |
| P3.031.010 | XM15350L | 350.00 | 5076.32 | 15.00 | 18.00 | 13.64 | 10.16 | 16.36 | 12.19 | Sinistra / Left | |
| P3.031.003 | XM17350R | 350.00 | 5076.32 | 17.00 | 20.40 | 15.45 | 11.51 | 18.55 | 13.82 | Destra / Right | |
| P3.031.011 | XM17350L | 350.00 | 5076.32 | 17.00 | 20.40 | 15.45 | 11.51 | 18.55 | 13.82 | Sinistra / Left | |
| P3.031.004 | XM21350R | 350.00 | 5076.32 | 21.00 | 25.20 | 19.09 | 14.22 | 22.91 | 17.07 | Destra / Right | |
| P3.031.012 | XM21350L | 350.00 | 5076.32 | 21.00 | 25.20 | 19.09 | 14.22 | 22.91 | 17.07 | Sinistra / Left | |
| P3.031.005 | XM11500R | 500.00 | 7251.89 | 11.00 | 13.20 | 14.29 | 10.64 | 17.14 | 12.77 | Destra / Right | |
| P3.031.013 | XM11500L | 500.00 | 7251.89 | 11.00 | 13.20 | 14.29 | 10.64 | 17.14 | 12.77 | Sinistra / Left | |
| P3.031.006 | XM15500R | 500.00 | 7251.89 | 15.00 | 18.00 | 19.48 | 14.51 | 23.38 | 17.42 | Destra / Right | |
| P3.031.014 | XM15500L | 500.00 | 7251.89 | 15.00 | 18.00 | 19.48 | 14.51 | 23.38 | 17.42 | Sinistra / Left | |

POMPE ORDINATE PER PRESSIONE

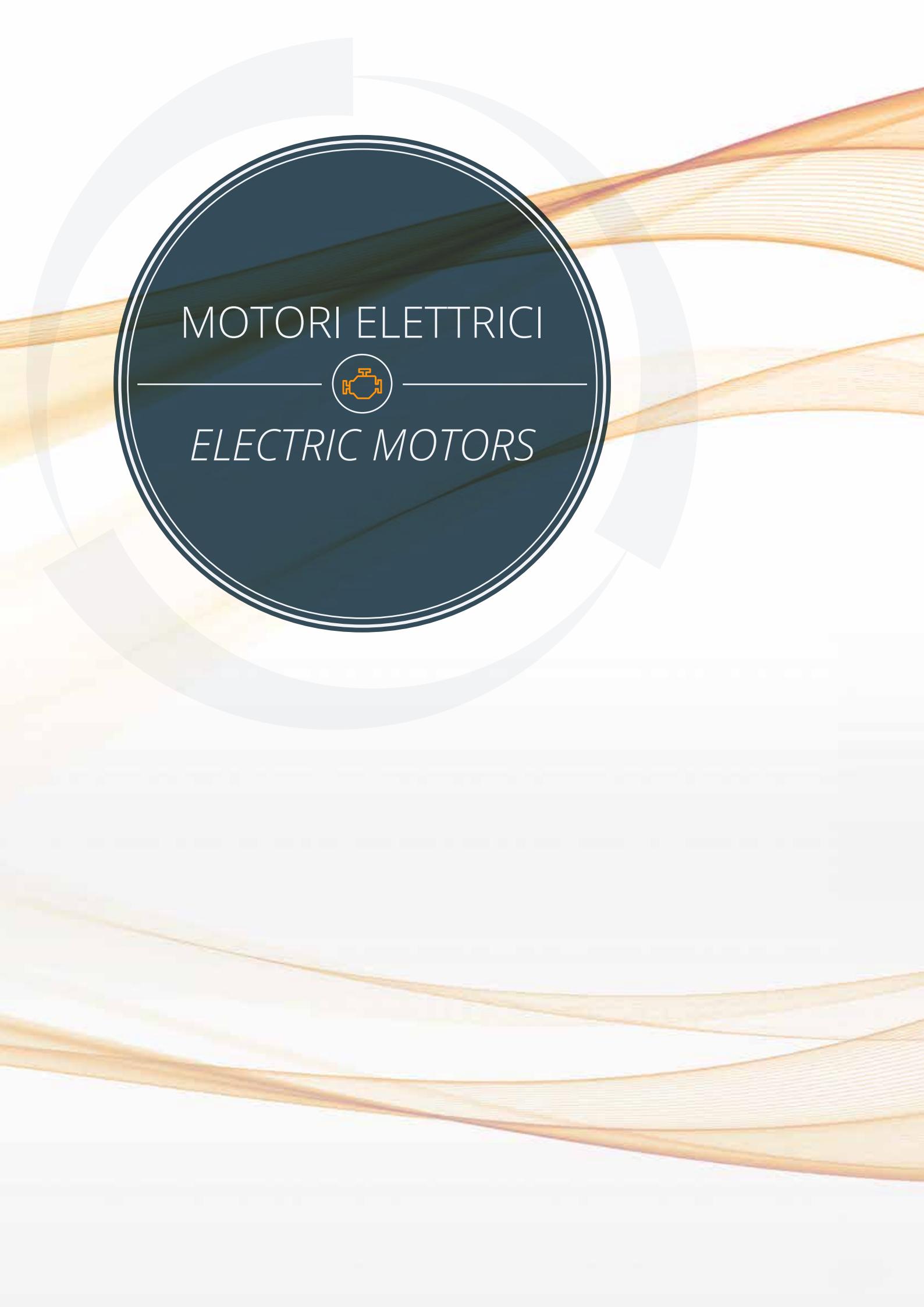
PUMPS LISTED ACCORDING TO PRESSURE



| Codice Code | Modello Model | Pressione / Pressure | | Portata / Flow Rate | | Potenza / Power | | Potenza / Power | | Albero Shaft Ø 24 | |
|----------------|------------------|----------------------|---------|---------------------|----------|-----------------|-------|-----------------|-------|-----------------------------|--|
| | | Bar | Psi | lt/min | | 50Hz | | 60Hz | | | |
| | | | | 1450 rpm | 1740 rpm | HP | Kw | HP | Kw | | |
| P3.031.007 | XM17500R | 500.00 | 7251.89 | 17.00 | 20.40 | 22.08 | 16.45 | 26.49 | 19.74 | Destra / Right | |
| P3.031.015 | XM17500L | 500.00 | 7251.89 | 17.00 | 20.40 | 22.08 | 16.45 | 26.49 | 19.74 | Sinistra / Left | |
| P3.031.008 | XM21500R | 500.00 | 7251.89 | 21.00 | 25.20 | 27.27 | 20.32 | 32.73 | 24.38 | Destra / Right | |
| P3.031.016 | XM21500L | 500.00 | 7251.89 | 21.00 | 25.20 | 27.27 | 20.32 | 32.73 | 24.38 | Sinistra / Left | |

| Codice Code | Modello Model | Pressione / Pressure | | Portata / Flow Rate | | Potenza / Power | | Potenza / Power | | Albero Shaft Ø 24 | |
|----------------|------------------|----------------------|---------|---------------------|----------|-----------------|------|-----------------|------|-----------------------------|--|
| | | Bar | Psi | lt/min | | 50Hz | | 60Hz | | | |
| | | | | 1000 rpm | 1200 rpm | HP | Kw | HP | Kw | | |
| P3.020.005 | MM15200R | 200.00 | 2900.75 | 15.00 | 18.00 | 7.79 | 5.80 | 9.35 | 6.97 | Destra / Right | |
| P3.020.010 | MM15200L | 200.00 | 2900.75 | 15.00 | 18.00 | 7.79 | 5.80 | 9.35 | 6.97 | Sinistra / Left | |





MOTORI ELETTRICI



ELECTRIC MOTORS



ALTO RENDIMENTO
IE2/IE3
HIGH EFFICIENCY



GARANZIA 24 MESI
24 MONTHS WARRANTY



MOTORI ELETTRICI IE2 - IE3

ELECTRIC MOTORS IE2 - IE3

INFORMAZIONI

I motori elettrici assorbono più del 50% dell'energia elettrica impiegata a livello europeo. Nonostante i rendimenti di conversione in energia meccanica siano piuttosto elevati, anche un piccolo miglioramento della loro efficienza può portare a risparmi energetici importanti. L'attuale tecnologia permette di produrre macchine elettriche di elevate prestazioni a costi sufficientemente concorrenziali, se si pensa al vantaggio economico e ambientale derivato. Le nuove direttive europee obbligano ad immettere sul mercato motori elettrici ad alto rendimento.

ASPETTI TECNICI

L'attuale classificazione del rendimento è definita dalla norma internazionale IEC 60034-30 a cui la Direttiva 2005/32/CE fa riferimento e si suddivide:

Standard - IE1 (Per paesi extra UE)

Alta efficienza - IE2

Obbligatoria nei motori trifase normalizzati.

Premium - IE3

Obbligatoria dal 1° gennaio 2017.

Nel diagramma sotto riportato, la **curva arancione** in grassetto definisce la collocazione della produzione dei motori elettrici Mazzoni nel contesto delle classi di efficienza sopra enunciate.

INFORMATIONS

The 50% of the electricity used today in Europe is employed with electric motors. Modern motors are able to convert most of the electrical power absorbed into mechanical energy but even a small improvement can lead into a very important energy saving. Today technology is able to produce high efficiency electrical motors developing high performances at a competitive cost if we consider the economic and environmental advantages that a high efficiency motor can produce. The new European directives require the use and commercialization of high efficiency motors.

TECHNICAL ASPECTS

The most recent classification of high efficiency motor is defined by the international norm IEC 60034-30 which refers to directive 2005/32/CE. The bands are designated as follow:

Standard Efficiency - IE1 (For extra UE countries)

High Efficiency - IE2

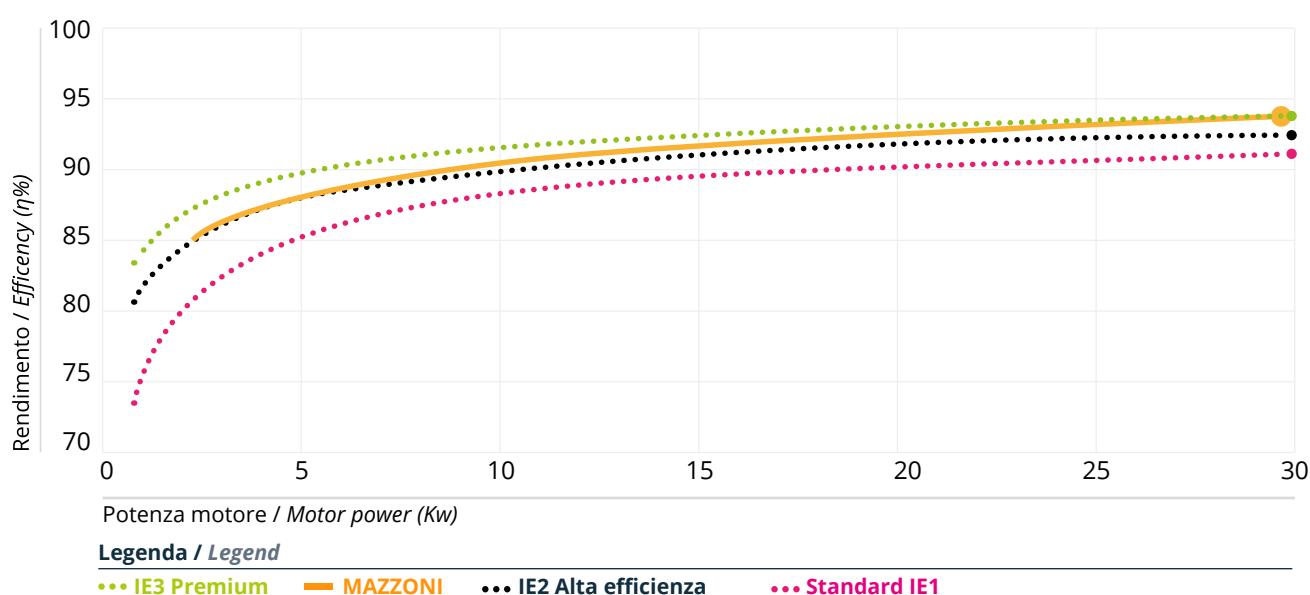
In force for three-phase motors

Premium Efficiency - IE3

Will be in force starting from 1st January 2017.

In the diagram below, the **orange curve** in bold defines the placement of the production of Mazzoni electric motors in the context of efficiency classes set out above.

Direttive 2009/125/CE ErP - Direttiva 2010/30/UE - Regolamento CE 640/2009 Directive 2009/125/CE ErP - Directive 2010/30/UE - Regulation CE 640/2009



La **linea arancione** si profila in un campo interamente IE2 proiettandosi verso la classe di rendimento IE3 per i motori di più elevata potenza già disponibili

Orange line is profiled in a field entirely in IE2, pushing forward to the efficiency class of IE3 for motors of higher power, which are already available.

Le nuova DIRETTIVA ERP 2009/125/CE impone la classificazione del rendimento già in fase di progetto e la Direttiva 2010/30/UE estende l'indicazione del risparmio energetico anche agli apparecchi domestici e similari.

Il regolamento della Commissione CE 640/2009 obbliga a tutti gli stati europei il rispetto dei rendimenti minimi dettati dalle leggi comunitarie. Mazzoni S.r.l. ha reso conforme la progettazione e adeguato gli standard produttivi.

L'alto rendimento dei motori elettrici Mazzoni implica obbligatoriamente altri fattori di potenza a pieno carico limitando la potenza reattiva. I nostri accorgimenti costruttivi assicurano sicurezza elettrica e meccanica di funzionamento.

Meccanicamente abbiamo studiato ed applicato misure che annullano la presenza di correnti galvaniche e, all'interno della flangia è stato inserito il giunto elastico.

Questo importante componente consente un perfetto assorbimento delle vibrazioni della pompa e degli eventuali disassamenti dinamici.

Alcune fasi costruttive dei motori sono eseguite attraverso processi artigianali di lavorazione per mantenere uno standard produttivo elevato e lavorare ottimamente in condizioni stressanti (frequenze particolari, temperature ambientali elevate e servizi intermittenti straordinari).

La nostra progettazione, frutto di anni di esperienza, e la competenza produttiva, permettono di garantire i motori 2 anni, naturalmente se installato correttamente con termiche collegate al circuito elettrico.

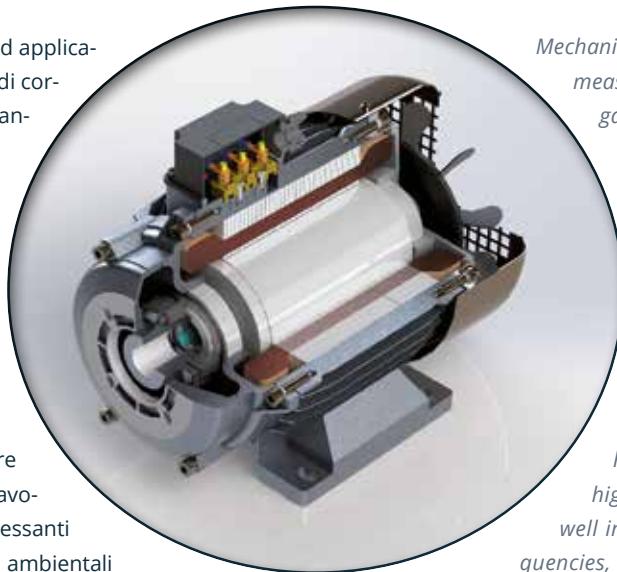
E' nello spirito e tradizione di Mazzoni s.r.l fabbricare prodotti professionali, costruiti per soddisfare le richieste dei clienti più esigenti.

I nostri ingegneri continuano la ricerca verso obiettivi sempre più ambiziosi ed assicurare al cliente sempre la soluzione del suo problema.

The new DIRECTIVE ERP 2009/125/CE imposes the definition of the efficiency value while projecting a new motor. The Directive 2010/30/UE extends the indication of energy saving value to domestic products using electricit

The Commission regulation EC 640/2009 obliges all European countries to respect the minimum performance dictated by EU laws. Mazzoni S.r.l. has conformed design and adjusted production standards.

The high efficiency of these electric motors necessarily implies high power factors at full load, limiting the reactive power. Construction details ensure safe electrical and mechanical operation.



Mechanically we have studied and applied measures, which eliminate the presence of galvanic currents and, inside the flange has been added elastic coupling.

This important component allows a perfect absorption of vibrations of the pump and any dynamic misalignment.

Some manufacturing phases of motors are executed through handicraft processing to maintain high production standards and work well in stressful conditions (particular frequencies, high ambient temperatures and intermittent overtime services).

Our design, based on years of experience and manufacturing competence allows to ensure the motors for two years, of course if the thermal connection is properly installed to the electrical circuit.

It's in the spirit and tradition of Mazzoni to manufacture professional products, built to meet the demands of discerning customers.

Our engineers continue the research towards more ambitious goals and ensure the customer always the solution of his problem.



MOTORI ELETTRICI IE2 - IE3

ELECTRIC MOTORS IE2 - IE3



CUSCINETTO

Tipo a sfere a singola corona.

I cuscinetti sono chiusi e pre lubrificati con grasso a base di litio, con una temperatura di utilizzo compresa fra -25° e +150°C.



GIUNTO ELASTICO

I giunti di accoppiamento sono utilizzati quali elementi di collegamento tra motore elettrico a flangia unificata e pompa oleodinamica per la trasmissione del moto.

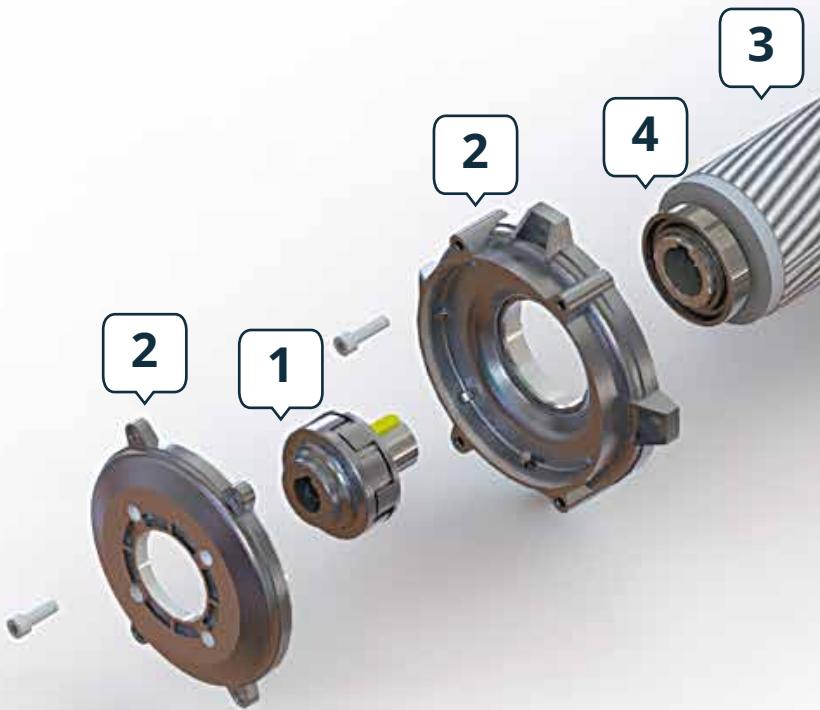
I nostri giunti elastici sono utili per la salvaguardia della motopompa in quanto eliminano il fenomeno dell'elettroerosione causato da correnti galvaniche che corrodono alberi e cuscinetti.

- 1 Giunto elastico
Elastic coupling
- 2 Flangia anteriore + flangia accoppiamento
Front flange + connection flange
- 3 Rotore con albero
Rotor shaft
- 4 Doppio cuscinetto
Double bearing
- 5 Carcassa con statore avvolto
Body with stator



TERMICHE NEGLI AVVOLGIMENTI

Le protezioni elettriche presenti sulla linea di alimentazione del motore possono essere insufficienti ad assicurare la protezione dei sovraccarichi. Infatti, se peggiorano le condizioni di ventilazione, il motore si surriscalda ma le condizioni elettriche non si modificano e ciò inibisce le protezioni sulla linea. Si ovvia a questo inconveniente installando protezioni sugli avvolgimenti



100% MADE IN ITALY



24M

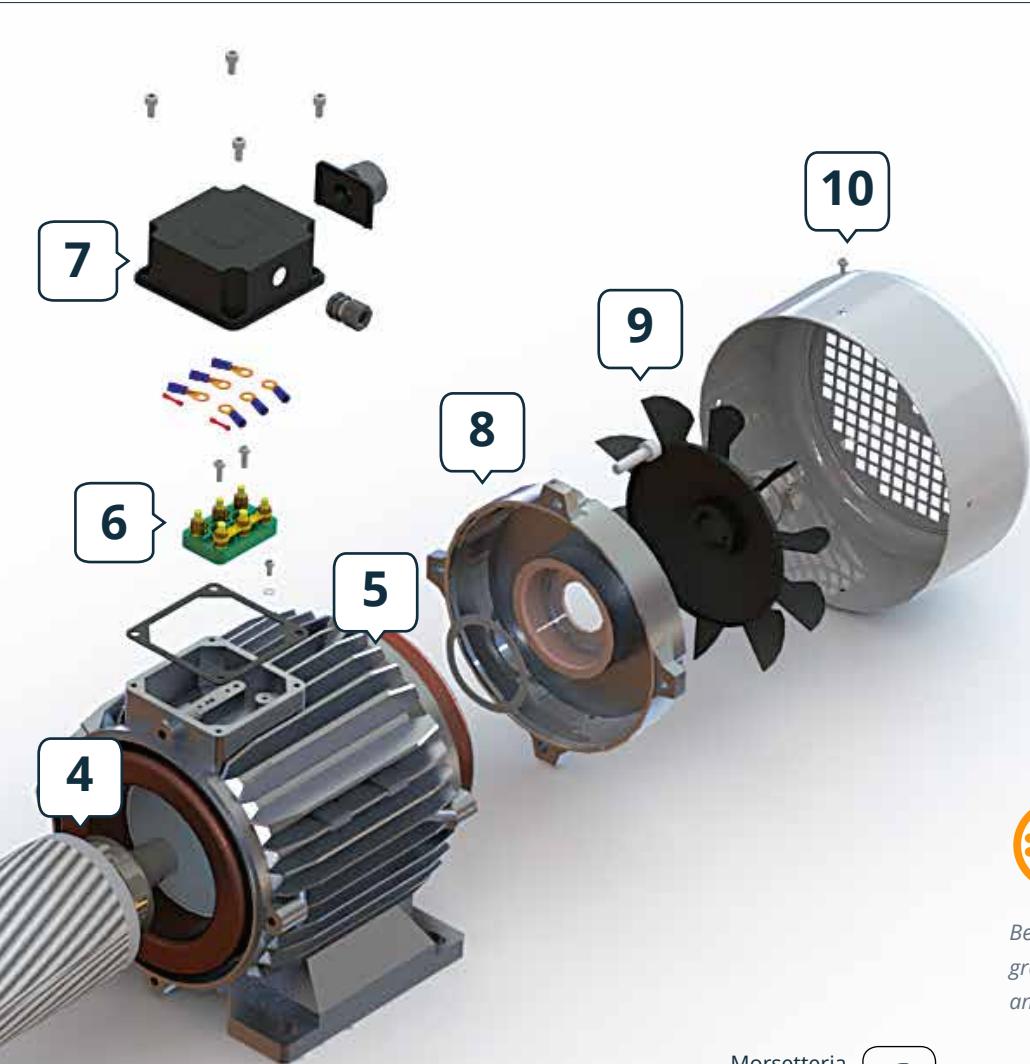


GARANZIA 24 MESI

Ogni singolo dettaglio dei nuovi motori Mazzoni è pensato per garantire prestazioni superiori e soddisfare un mercato sempre più esigente. Questo ci permette, a differenza di tutti gli altri produttori, di garantire 2 anni i nostri motori se correttamente installati con termiche sugli avvolgimenti collegate nel circuito elettrico.

SERVIZIO EXPRESS

Forniamo i nostri prodotti in ogni parte del globo in maniera veloce grazie alla nostra flessibilità e al nostro deposito sempre pronto a soddisfare le esigenze più urgenti.



BEARING

Ball-bearing with single crown.

Bearings are closed and pre-oiled with lithium grease, with a usage temperature between -25° and 150 degrees.

| | |
|---|----|
| Morsettiera Terminal strip | 6 |
| Base copri basetta Basement cover base | 7 |
| Flangia posteriore Back flange | 8 |
| Ventola Fan | 9 |
| Copriventola Fan cover | 10 |



ELASTIC COUPLING

Elastic couplings are used as connection elements between electrical engine with unified flange and oil-dynamic pump for the transmission impulse.

Our elastic couplings are useful for the safeguard of the motor pump, in fact they eliminate phenomenon of electro-discharge which is caused by galvanic currents that erode shafts and bearings.



THERMAL PROTECTION IN THE WINDINGS

Electrical protections that are on the alimentation lines of the engine couldn't be enough to ensure the over-loaded protection. In fact, if ventilation conditions get worse, the engine overheats but the electrical conditions don't change and this prevents line protections.

We could solve this problem installing protections on the windings.

24 MONTHS WARRANTY

Every single detail of the new motor Mazzoni **is designed to get better performances** and satisfy an increasing choosy market. Our design allows us, unlike all the other producers, to allow **two years warranty for our engines** if properly installed with thermal windings connected in the electrical circuit.

EXPRESS SERVICE

We supply our products in every part of the globe quickly, thanks to our flexibility and our store always ready to meet most urgent needs.



GAMMA MODELLI MODELS RANGE

**MEC
100**



IMBALLO / PACKAGING

| | | |
|--|---|---|
| 1 pezzo per pallet <i>1 piece each pallet</i> | 5 pezzi per pallet <i>5 pieces each pallet</i> | 10 pezzi per pallet <i>10 pieces each pallet</i> |
| 75 x 60 x 50 cm | 100 x 65 x 50 cm | 120 x 80 x 50 cm |
| 30 kg | 150 kg | 300 kg |

**MEC
112**



IMBALLO / PACKAGING

| | | |
|--|---|---|
| 1 pezzo per pallet <i>1 piece each pallet</i> | 5 pezzi per pallet <i>5 pieces each pallet</i> | 10 pezzi per pallet <i>10 pieces each pallet</i> |
| 75 x 60 x 50 cm | 100 x 65 x 50 cm | 120 x 80 x 50 cm |
| 37 kg | 180 kg | 360 kg |

**MEC
132**



IMBALLO / PACKAGING

| | |
|---|---|
| 2 pezzi per pallet <i>2 pieces each pallet</i> | 4 pezzi per pallet <i>4 pieces each pallet</i> |
| 75 x 60 x 50 cm | 120 x 80 x 50 cm |
| 145 kg | 255 kg |

**MEC
160**



IMBALLO / PACKAGING

| |
|--|
| 1 pezzo per pallet <i>1 piece each pallet</i> |
| 120 x 80 x 50 cm |
| 140 kg |

**MEC
180**



IMBALLO / PACKAGING

| |
|--|
| 1 pezzo per pallet <i>1 piece each pallet</i> |
| 120 x 80 x 50 cm |
| 180 kg |

| GIRI / ROUNDS | FASE / PHASE | VOLT | HP (Kw) | A | Hz |
|---------------|--------------|---------|---------|--------|---|
| 1450 | 1 | 230 | 3 (2.2) | 12.5 | 50  |
| | 3 | 230/400 | 5.5 (4) | 16-9.5 | |

A richiesta possiamo fornire i motori a 60 Hz
60Hz version supplied on request

| GIRI / ROUNDS | FASE / PHASE | VOLT | HP (Kw) | A | Hz |
|---------------|--------------|---------|-----------|---------|---|
| 1450 | 1 | 230 | 4 (3) | 18 | 50  |
| | 3 | 230/400 | 5.5 (4) | 15.4-9 | |
| | 3 | 230/400 | 7.5 (5.5) | 21-12.5 | |

A richiesta possiamo fornire i motori a 60 Hz
60Hz version supplied on request

| GIRI / ROUNDS | FASE / PHASE | VOLT | HP (Kw) | A | Hz |
|---------------|--------------|---------|----------|-------|---|
| 1450 | 3 | 230/400 | 10 (7.3) | 22-12 | 50  |
| | 3 | 400/700 | 15 (11) | 22-12 | |
| | 3 | 230/400 | 15 (11) | 40-22 | |

A richiesta possiamo fornire i motori a 60 Hz
60Hz version supplied on request

| GIRI / ROUNDS | FASE / PHASE | VOLT | HP (Kw) | A | Hz |
|---------------|--------------|---------|---------|-------|---|
| 1450 | 3 | 400/700 | 20 (15) | 30-17 | 50  |

A richiesta possiamo fornire i motori a 60 Hz
60Hz version supplied on request

| GIRI / ROUNDS | FASE / PHASE | VOLT | HP (Kw) | A | Hz |
|---------------|--------------|---------|---------|-------|---|
| 1450 | 3 | 400/700 | 30 (22) | 40-24 | 50  |

A richiesta possiamo fornire i motori a 60 Hz
60Hz version supplied on request

MEC 100



GARANZIA 24 MESI
24 MONTHS WARRANTY



ON DEMAND **60Hz**



Caratteristiche principali / Technical features

| GIRI ROUNDS | FASE PHASE | VOLT | HP (Kw) | RENDRIMENTO EFFICIENCY | A | Cos φ | Hz |
|----------------|---------------|---------|---------|---------------------------|------|----------|----|
| 1450 | 1 | 230 | 3 (2.2) | 83% | 12.5 | 0.99 | 50 |
| | 3 | 230/400 | 5.5 (4) | 85% | 16-9 | 0.86 | |

GIUNTO ELASTICO
ELASTIC COUPLING



CUSCINETTI A SFERA
BALL BEARING



TERMICHE NEGLI AVVOGLIMENTI
THERMAL PROTECTION IN THE WINDINGS



IMBALLO / PACKAGING

| | | |
|--|---|---|
| 1 pezzo per pallet / 1 piece each pallet | 5 pezzi per pallet / 5 pieces each pallet | 10 pezzi per pallet / 10 pieces each pallet |
| 75 x 60 x 50 cm 30 kg | 100 x 65 x 50 cm 150 kg | 120 x 80 x 50 cm 300 kg |



Motori personalizzati da Mazzoni per pompe ad alta pressione
Motors customized by Mazzoni for high pressure pumps

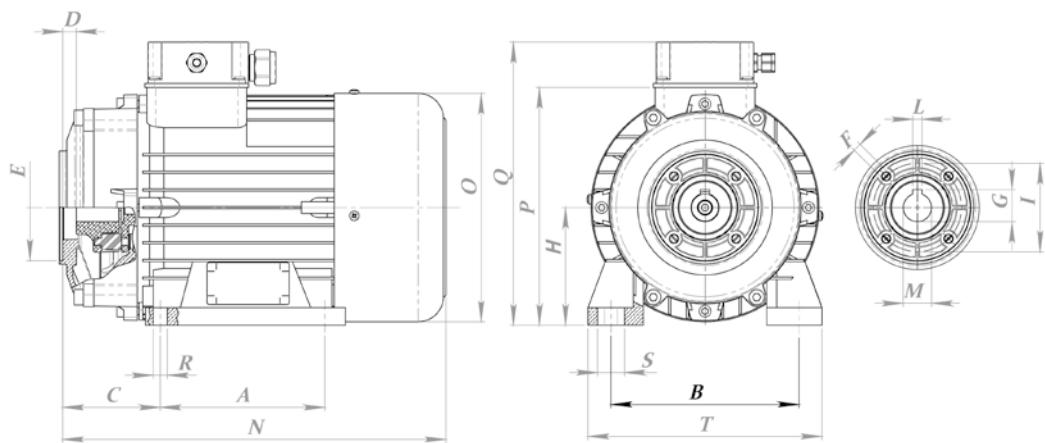
CARATTERISTICHE E DIMENSIONI

FEATURES AND DIMENSIONS



| Codice Code | Fase Phase | V | Hz | Ampere | Hp (kW) | RPM | Peso netto Net weight | Pezzi x pallet Pcs each pallet |
|----------------|---------------|---------|----|--------|---------|------|--------------------------|-----------------------------------|
| 2.081.12.016 | 1 | 230 | 50 | 12.5 | 3 (2.2) | 1450 | 24 | 4 |
| 2.081.12.019 | 3 | 230/400 | 50 | 16/9.5 | 5.5 (4) | 1450 | 24 | 4 |
| 2.081.12.004 | 3 | 230/400 | 50 | 16/9.5 | 5.5 (4) | 1450 | 24 | 4 |
| 2.081.12.006 | 3 | 230/400 | 50 | 16/9.5 | 5.5 (4) | 1450 | 24 | 4 |
| 2.081.12.008 | 3 | 230/400 | 50 | 16/9.5 | 5.5 (4) | 1450 | 24 | 4 |
| 2.081.12.009 | 3 | 230/400 | 50 | 16/9.5 | 5.5 (4) | 1450 | 24 | 4 |

DIMENSIONI COMPONENTI / PARTS DIMENSIONS



| Codice Code | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q | R | S | T |
|----------------|-----|-----|----|----|----|----|------|-----|----|---|----|-----|-----|-----|-----|----|----|-----|
| 2.081.12.016 | 140 | 160 | 84 | 11 | 90 | 7 | 27.3 | 100 | 75 | 8 | 24 | 327 | 194 | 203 | 242 | 12 | 22 | 192 |
| 2.081.12.019 | 140 | 160 | 84 | 11 | 90 | 7 | 27.3 | 100 | 75 | 8 | 24 | 327 | 194 | 203 | 242 | 12 | 22 | 192 |
| 2.081.12.004 | 140 | 160 | 78 | 6 | 61 | 10 | 27.3 | 100 | 88 | 8 | 24 | 325 | 194 | 203 | 242 | 12 | 22 | 192 |
| 2.081.12.006 | 140 | 160 | 78 | 6 | 61 | 10 | 27.3 | 100 | 88 | 8 | 24 | 325 | 194 | 203 | 242 | 12 | 22 | 192 |
| 2.081.12.008 | 140 | 160 | 75 | 8 | 90 | 7 | 27.3 | 100 | 75 | 8 | 24 | 322 | 194 | 203 | 242 | 12 | 22 | 192 |
| 2.081.12.009 | 140 | 160 | 84 | 11 | 90 | 7 | 27.3 | 100 | 75 | 8 | 24 | 327 | 194 | 203 | 242 | 12 | 22 | 192 |

GIUNTO ELASTICO / ELASTIC COUPLING



| Codice Code | MEC | A | B | C | D | E | F | G | H | I |
|----------------|-----|-----|-----|------|----|------|---|---|------|----|
| 3.055.02.003 | 100 | Ø24 | Ø30 | 36.5 | 33 | 78.5 | 8 | 8 | 27.3 | 33 |

MEC 112



GARANZIA 24 MESI
24 MONTHS WARRANTY

ON DEMAND ➔ **60Hz**



Caratteristiche principali / Technical features

| GIRI ROUNDS | FASE PHASE | VOLT | HP (Kw) | RENDRIMENTO EFFICIENCY | A | Cos φ | Hz |
|----------------|---------------|---------|-----------|---------------------------|---------|----------|----|
| | 1 | 230 | 4 (3) | 82% | 18 | 0.98 | |
| 1450 | 3 | 230/400 | 5.5 (4) | 88% | 15.4-9 | 0.90 | 50 |
| | 3 | 230/400 | 7.5 (5.5) | 86% | 21-12.5 | 0.85 | |

Motore monofase fornito completo di:

- 1 condensatore 90mf (lavoro)
- 2 condensatori 100mf per partenza
- Disgiuntore

Monophase version supplied with

- 1 condenser 90mf (work)
- 2 condensers 100mf (start)
- 1 start condenser

GIUNTO ELASTICO
ELASTIC COUPLING



CUSCINETTI A SFERA
BALL BEARING



TERMICHE NEGLI AVVOLGIMENTI
THERMAL PROTECTION IN THE WINDINGS



IMBALLO / PACKAGING

| | | |
|---|--|--|
| 1 pezzo per pallet / 1 piece each pallet 75 x 60 x 50 cm 37 kg | 5 pezzi per pallet / 5 pieces each pallet 100 x 65 x 50 cm 180 kg | 10 pezzi per pallet / 10 pieces each pallet 120 x 80 x 50 cm 360 kg |
|---|--|--|

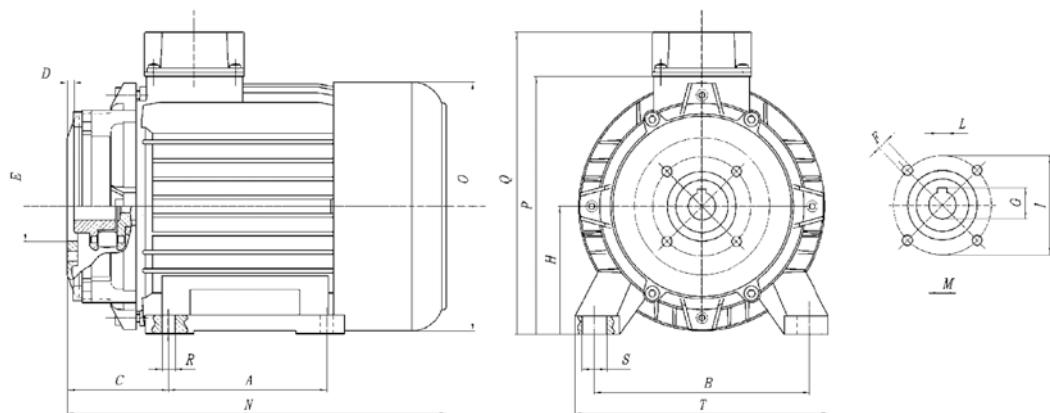
CARATTERISTICHE E DIMENSIONI

FEATURES AND DIMENSIONS



| Codice Code | Fase Phase | V | Hz | Ampere | Hp (kW) | RPM | Peso netto Net weight | Pezzi x pallet Pcs each pallet |
|----------------|---------------|---------|----|---------|-----------|------|--------------------------|-----------------------------------|
| 2.081.12.014 | 1 | 230 | 50 | 18 | 4 (3) | 1450 | 33 | 4 |
| 2.081.12.013 | 3 | 230/400 | 50 | 15.4/9 | 5.5 (4) | 1450 | 33 | 4 |
| 2.081.12.001 | 3 | 230/400 | 50 | 21/12.5 | 7.5 (5.5) | 1450 | 33 | 4 |

DIMENSIONI COMPONENTI / PARTS DIMENSIONS



| Codice Code | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q | R | S | T |
|----------------|-----|-----|----|---|----|----|------|-----|----|---|----|-----|-----|-----|-----|----|----|-----|
| 2.081.12.014 | 140 | 190 | 85 | 8 | 90 | 7 | 27.3 | 112 | 75 | 8 | 24 | 336 | 218 | 226 | 265 | 12 | 22 | 224 |
| 2.081.12.013 | 140 | 190 | 85 | 6 | 61 | 10 | 27.3 | 112 | 88 | 8 | 24 | 336 | 218 | 226 | 265 | 12 | 22 | 224 |
| 2.081.12.001 | 140 | 190 | 85 | 6 | 61 | 10 | 27.3 | 112 | 88 | 8 | 24 | 336 | 218 | 226 | 265 | 12 | 22 | 224 |

GIUNTO ELASTICO / ELASTIC COUPLING



| Codice Code | MEC | A | B | C | D | E | F | G | H | I |
|----------------|-----|-----|-----|------|----|------|---|---|------|----|
| 3.055.02.002 | 112 | Ø24 | Ø35 | 36.5 | 33 | 78.5 | 8 | 8 | 27.3 | 33 |

MEC 132



ON DEMAND **60Hz**



Caratteristiche principali / Technical features

| GIRI ROUNDS | FASE PHASE | VOLT | HP (Kw) | RENDRIMENTO EFFICIENCY | A | Cos φ | Hz |
|----------------|---------------|---------|----------|---------------------------|-------|------------------|----|
| 1450 | 3 | 230/400 | 10 (7.3) | 89% | 30-17 | 0.83 | 50 |
| | 3 | 230/400 | 15 (11) | 88% | 40-22 | 0.80 | |
| | 3 | 400/700 | 15 (11) | 90.4% | 22-12 | 0.85 | |



GIUNTO ELASTICO
ELASTIC COUPLING



CUSCINETTI A SFERA
BALL BEARING



TERMICHE NEGLI AVVOLGIMENTI
THERMAL PROTECTION IN THE WINDINGS

IMBALLO / PACKAGING

2 pezzi per pallet / 2 pieces each pallet

75 x 60 x 50 cm | 145 kg

4 pezzi per pallet / 4 pieces each pallet

120 x 80 x 50 cm | 255 kg

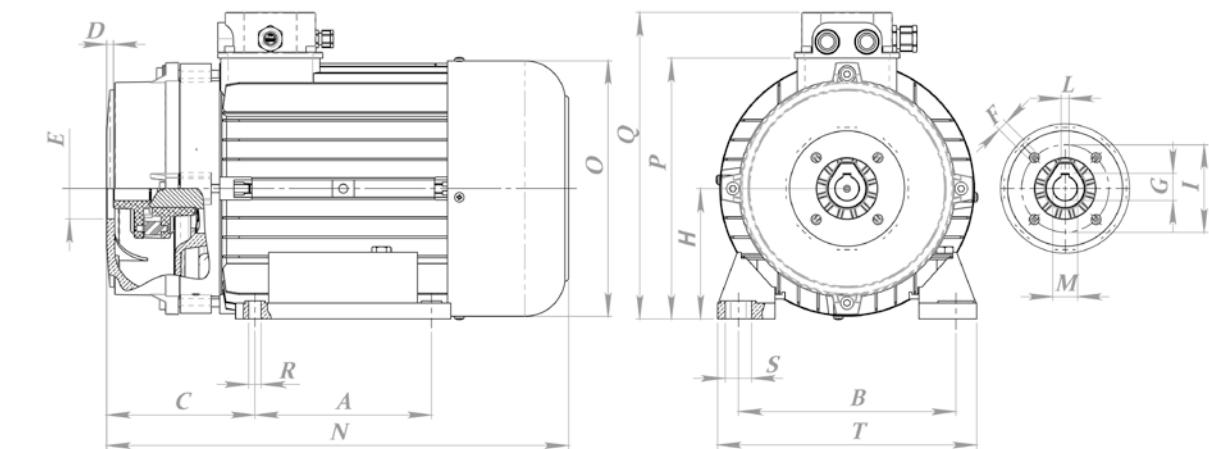
CARATTERISTICHE E DIMENSIONI

FEATURES AND DIMENSIONS



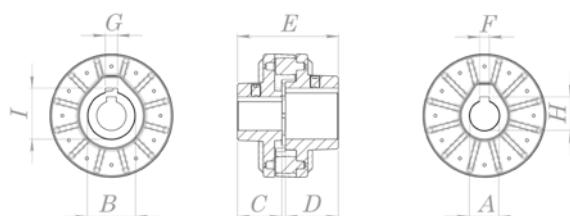
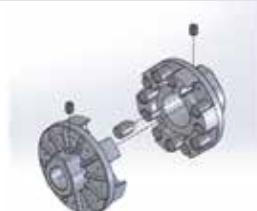
| Codice Code | Fase Phase | V | Hz | Ampere | Hp (kW) | RPM | Peso netto Net weight | Pezzi x pallet Pcs each pallet |
|----------------|---------------|---------|----|--------|----------|------|--------------------------|-----------------------------------|
| 2.081.12.002 | 3 | 230/400 | 50 | 30-17 | 10 (7.5) | 1450 | 54 | 2 |
| 2.081.12.003 | 3 | 400/700 | 50 | 22-12 | 15 (11) | 1450 | 64 | 2 |
| 2.081.12.010 | 3 | 400/700 | 50 | 22-12 | 15 (11) | 1450 | 64 | 2 |
| 2.081.12.012 | 3 | 400/700 | 50 | 22-12 | 15 (11) | 1450 | 64 | 2 |
| 2.081.12.015 | 3 | 230/400 | 50 | 40-22 | 15 (11) | 1450 | 64 | 2 |
| 2.081.12.017 | 3 | 400/700 | 50 | 22-12 | 15 (11) | 1450 | 64 | 2 |

DIMENSIONI COMPONENTI / PARTS DIMENSIONS



| Codice / Code | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q | R | S | T |
|---------------|-----|-----|-----|---|----|----|------|-----|----|---|----|-----|-----|-----|-----|----|----|-----|
| 2.081.12.002 | 178 | 216 | 150 | 5 | 61 | 10 | 27.3 | 132 | 88 | 8 | 24 | 463 | 256 | 264 | 309 | 12 | 28 | 259 |
| 2.081.12.003 | 178 | 216 | 150 | 5 | 61 | 10 | 27.3 | 132 | 88 | 8 | 24 | 463 | 256 | 264 | 309 | 12 | 28 | 259 |
| 2.081.12.010 | 178 | 216 | 155 | 5 | 61 | 9 | 27.3 | 132 | 88 | 8 | 24 | 468 | 256 | 264 | 309 | 12 | 28 | 259 |
| 2.081.12.012 | 178 | 216 | 160 | 5 | 60 | 9 | 28.3 | 132 | 88 | 8 | 24 | 480 | 256 | 264 | 309 | 12 | 28 | 259 |
| 2.081.12.015 | 178 | 216 | 150 | 5 | 61 | 10 | 27.3 | 132 | 88 | 8 | 24 | 463 | 256 | 264 | 309 | 12 | 28 | 259 |
| 2.081.12.017 | 178 | 216 | 160 | 5 | 61 | 9 | 27.3 | 132 | 88 | 8 | 24 | 480 | 256 | 264 | 309 | 12 | 28 | 259 |

GIUNTO ELASTICO / ELASTIC COUPLING

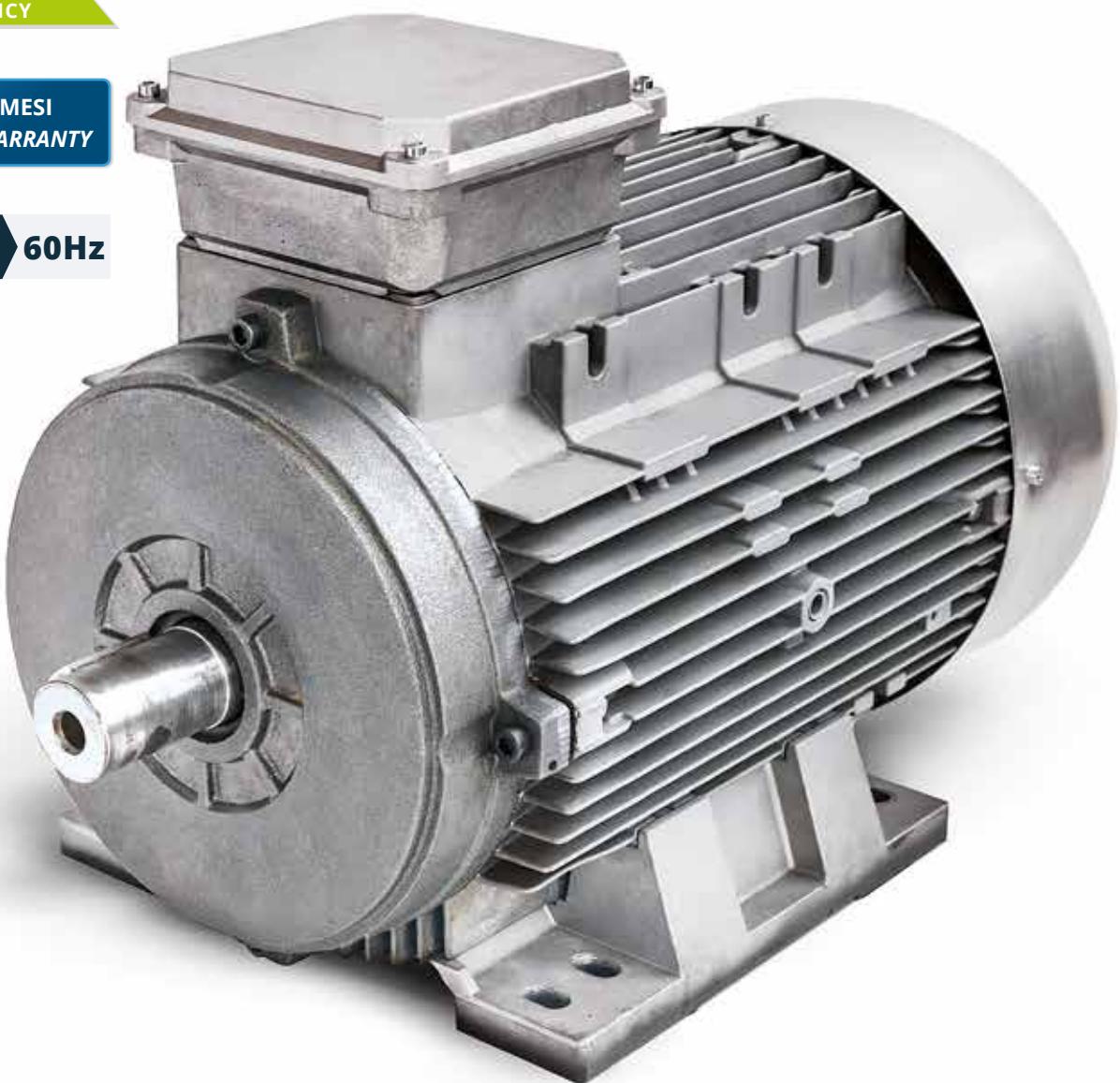


| Codice Code | MEC | A | B | C | D | E | F | G | H | I |
|----------------|-----|-----|-----|----|----|----|---|----|------|------|
| 3.055.02.001 | 132 | Ø24 | Ø38 | 36 | 43 | 81 | 8 | 10 | 27.3 | 41.3 |
| 3.055.02.005 | 112 | Ø25 | Ø38 | 36 | 43 | 81 | 8 | 10 | 28.3 | 41.3 |

MEC 160



ON DEMAND ➔ **60Hz**



Caratteristiche principali / Technical features

| GIRI ROUNDS | FASE PHASE | VOLT | HP (Kw) | RENDRIMENTO EFFICIENCY | A | Cos φ | Hz |
|----------------|---------------|---------|---------|---------------------------|-------|----------|----|
| 1450 | 3 | 400/700 | 20 (15) | 90.6% | 30-17 | 0.85 | 50 |

GIUNTO ELASTICO
ELASTIC COUPLING



CUSCINETTI A SFERA
BALL BEARING



TERMICHE NEGLI AVVOLGIMENTI
THERMAL PROTECTION IN THE WINDINGS



IMBALLO / PACKAGING

1 pezzo per pallet / 1 piece each pallet

120 x 80 x 50 cm | 140 kg

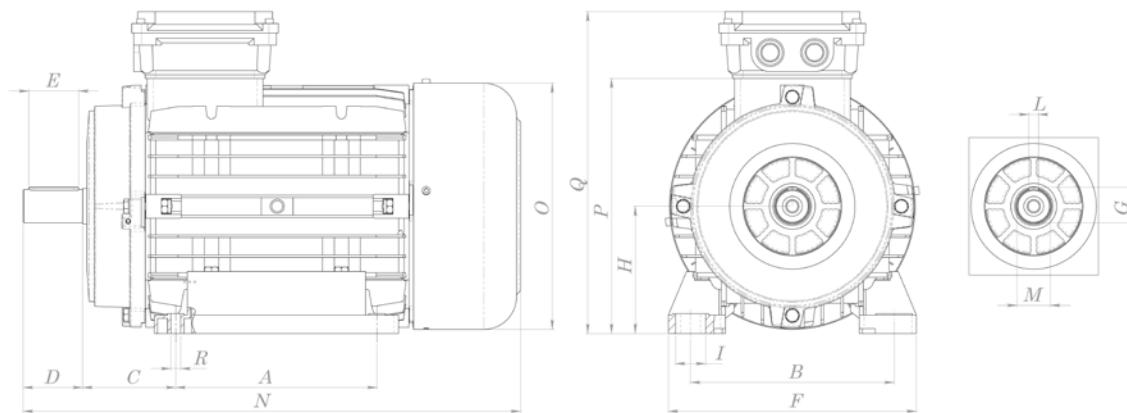
CARATTERISTICHE E DIMENSIONI

FEATURES AND DIMENSIONS



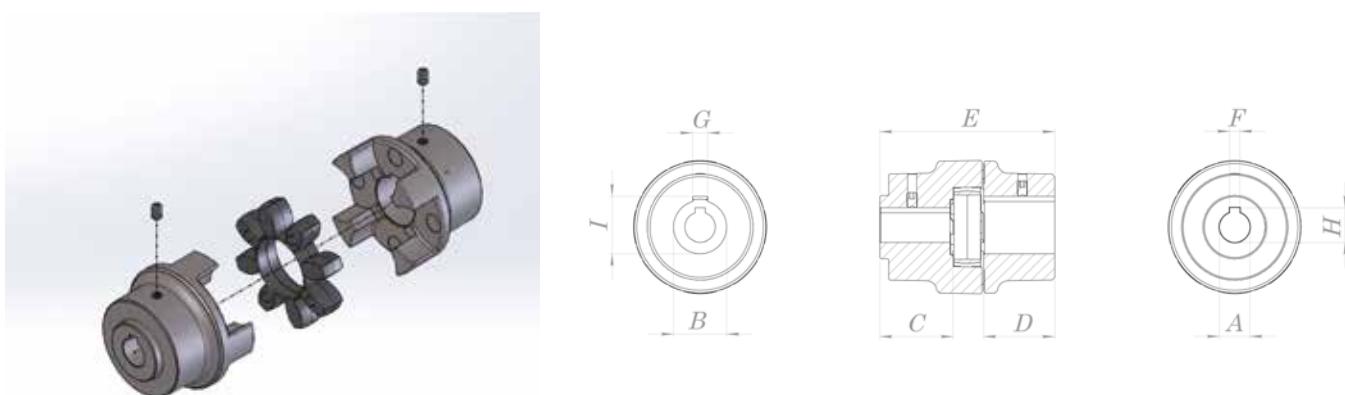
| Codice Code | Fase Phase | V | Hz | Ampere | Hp (kW) | RPM | Peso netto Net weight | Pezzi x pallet Pcs each pallet |
|----------------|---------------|---------|----|---------|---------|------|--------------------------|-----------------------------------|
| 3.002.12.049 | 3 | 400/700 | 50 | 27.7-16 | 20 (15) | 1450 | 120 kg | 1 |

DIMENSIONI COMPONENTI / PARTS DIMENSIONS



| Codice Code | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q | R |
|----------------|-----|-----|-------|----|----|-----|----|-----|----|----|----|-------|-----|-----|-----|----|
| 3.002.12.049 | 254 | 257 | 117.5 | 75 | 63 | 313 | 45 | 160 | 38 | 12 | 42 | 627.5 | 310 | 321 | 405 | 12 |

GIUNTO ELASTICO / ELASTIC COUPLING

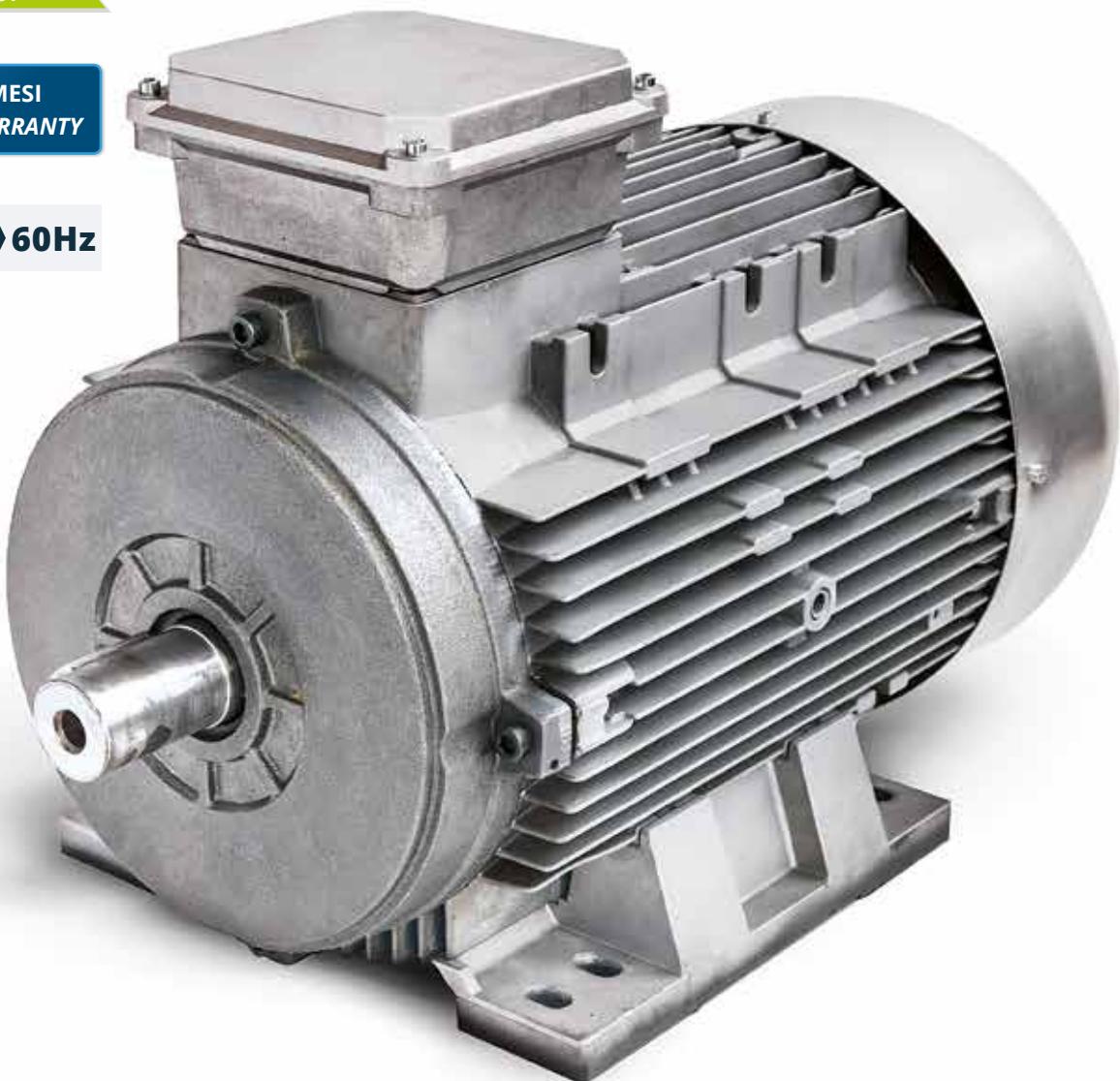


| Codice Code | MEC | A | B | C | D | E | F | G | H | I |
|----------------|-----|-----|-----|------|----|-----|---|----|------|-------|
| 3.055.02.010 | 160 | Ø24 | Ø42 | 55.5 | 56 | 138 | 8 | 12 | 27.3 | 45.30 |

MEC 180



ON DEMAND ➔ **60Hz**



Caratteristiche principali / Technical features

| GIRI ROUNDS | FASE PHASE | VOLT | HP (Kw) | RENDRIMENTO EFFICIENCY | A | Cos φ | Hz |
|----------------|---------------|---------|---------|---------------------------|-------|----------|----|
| 1450 | 3 | 400/700 | 30 (22) | 92.3% | 40-24 | 0.91 | 50 |

IMBALLO / PACKAGING

1 pezzo per pallet / 1 piece each pallet

120 x 80 x 50 cm | 180 kg

GIUNTO ELASTICO
ELASTIC COUPLING



CUSCINETTI A SFERA
BALL BEARING



TERMICHE NEGLI AVVOLGIMENTI
THERMAL PROTECTION IN THE WINDINGS



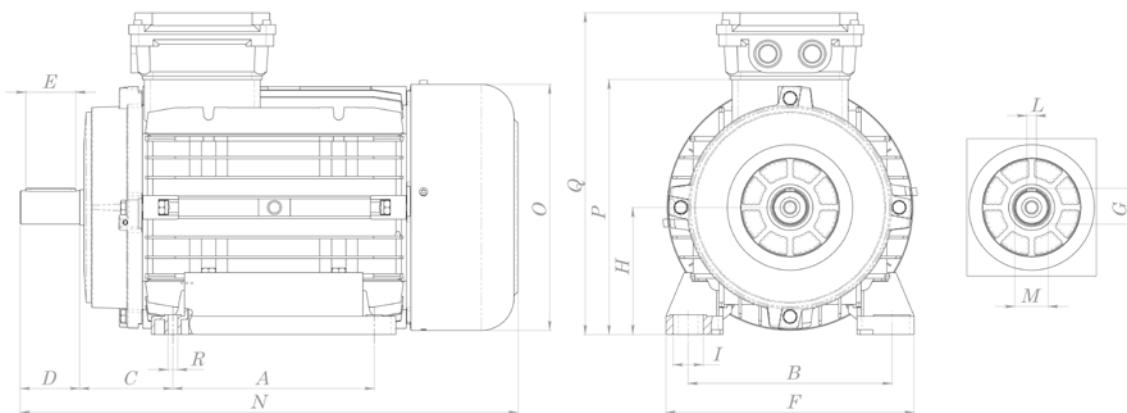
CARATTERISTICHE E DIMENSIONI

FEATURES AND DIMENSIONS



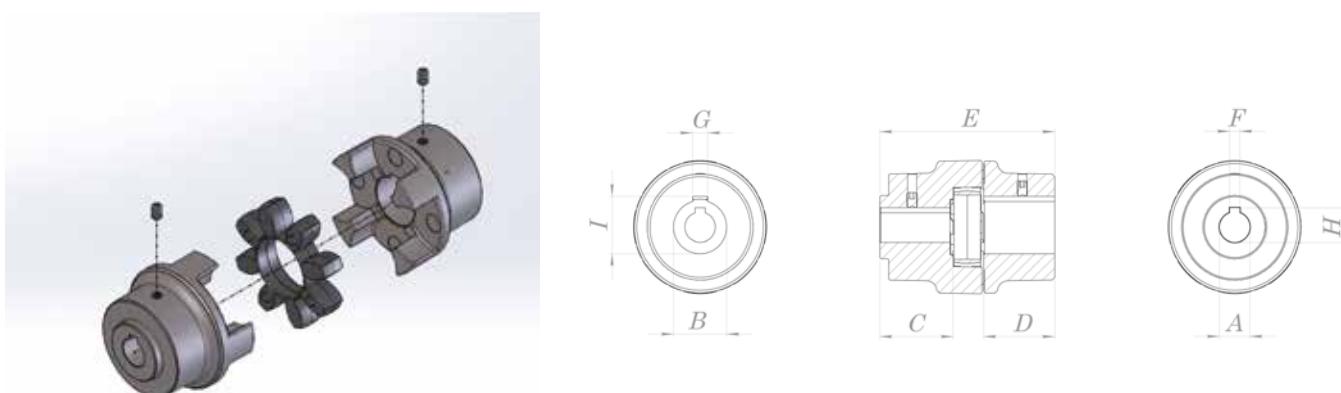
| Codice Code | Fase Phase | V | Hz | Ampere | Hp (kW) | RPM | Peso netto Net weight | Pezzi x pallet Pcs each pallet |
|----------------|---------------|---------|----|--------|---------|------|--------------------------|-----------------------------------|
| 3.002.12.046 | 3 | 400/700 | 50 | 39.5 | 30 (22) | 1450 | 160 kg | 1 |

DIMENSIONI COMPONENTI / PARTS DIMENSIONS



| Codice Code | A | B | C | D | E | F | G | H | I | L | M | N | 0 | P | Q | R |
|----------------|-----|-----|-----|----|----|-----|------|-----|----|----|----|-------|-------|-----|-----|----|
| 3.002.12.046 | 279 | 257 | 119 | 75 | 63 | 342 | 51.5 | 180 | 38 | 14 | 48 | 670.5 | 349.4 | 361 | 445 | 13 |

GIUNTO ELASTICO / ELASTIC COUPLING



| Codice Code | MEC | A | B | C | D | E | F | G | H | I |
|----------------|-----|-----|-----|----|----|-----|---|----|------|------|
| 3.055.02.009 | 180 | Ø24 | Ø48 | 58 | 58 | 138 | 8 | 14 | 27.3 | 51.8 |

GRUPPI MOTORE E POMPA



MOTOR AND PUMP
UNITS





MOTOPOMPE IDRAULICHE / HYDRAULIC MOTORPUMPS



NEW

Disponibile da gennaio 2016
Starting from Januari 2016

| Modello Model | Giri Rounds | Portata Flow rate | Pressione Pressure | | Potenza Power | | Motore Idraulico Hydraulic Motor | Pressione impianto olio Oil pressure required | | |
|------------------|----------------|----------------------|-----------------------|-----|------------------|-----|-------------------------------------|--|------------------|--------------------|
| | | Rpm | Lt/min | GPM | Bar | Psi | HP | Kw | Bar | Psi |
| PM10150R | 1450 | 10 | 2.6 | 150 | 2200 | 5.5 | 4 | Gr.2 SAE "A" | 180 - 250 MAX | 2610 - 3626 MAX |
| PM14150R | 1450 | 14 | 3.7 | 150 | 2200 | 5.5 | 4 | Gr.2 SAE "A" | 150 - 170 MAX | 2175 - 2466 MAX |



NEW

Disponibile da gennaio 2016
Starting from Januari 2016

| Modello Model | Giri Rounds | Portata Flow rate | Pressione Pressure | | Potenza Power | | Motore Idraulico Hydraulic Motor | Pressione impianto olio Oil pressure required | | |
|------------------|----------------|----------------------|-----------------------|-----|------------------|-----|-------------------------------------|--|------------------|--------------------|
| | | Rpm | Lt/min | GPM | Bar | Psi | HP | Kw | Bar | Psi |
| MM15200R | 1450 | 15 | 4 | 200 | 3000 | 7 | 5 | Gr.3 SAE "B" | 220 - 250 MAX | 3191 - 3626 MAX |
| MM21200R | 1450 | 21 | 5.5 | 200 | 3000 | 7 | 5 | Gr.3 SAE "B" | 200 - 230 MAX | 2901 - 3336 MAX |

ELETTROPOMPE

ELECTRIC PUMPS



Giunto elastico - Elastic Coupling



Valvola bypass - Bypass valve

Pompa Mazzoni + motore con giunto elastico + quadro elettrico + valvola bypass

Mazzoni pump + motor with elastic coupling + electrical box + bypass valve



| Codice Code | Bar | Lt/min | Volts-Hz | Hp | RPM |
|----------------|-----|--------|---------------|-----|------|
| 3.071.02.020 | 150 | 10 | 230V (50) 1Ph | 3 | 1450 |
| 3.071.02.021 | 170 | 13 | 400V (50) 3Ph | 5.5 | 1450 |
| 3.071.02.022 | 200 | 15 | 400V (50) 3Ph | 7.5 | 1450 |
| 3.071.02.023 | 150 | 21 | 400V (50) 3Ph | 7.5 | 1450 |
| 3.071.02.024 | 200 | 21 | 400V (50) 3Ph | 10 | 1450 |
| 3.071.02.025 | 200 | 25 | 400V (50) 3Ph | 15 | 1450 |
| 3.071.02.026 | 200 | 30 | 400V (50) 3Ph | 15 | 1450 |

60
Hz

A richiesta possiamo fornire le elettropompe a 60 Hz
60Hz version supplied on request



Giunto elastico - Elastic Coupling



Copri basetta - Base cover

Pompa Mazzoni + motore con giunto elastico + copri basetta

Mazzoni pump + motor with elastic coupling + base cover



| Codice Code | Bar | Lt/min | Volts-Hz | Hp | RPM |
|----------------|-----|--------|---------------|-----|------|
| 3.071.02.014 | 150 | 10 | 230V (50) 1Ph | 3 | 1450 |
| 3.071.02.015 | 170 | 13 | 400V (50) 3Ph | 5.5 | 1450 |
| 3.017.02.019 | 150 | 15 | 400V (50) 3Ph | 5.5 | 1450 |
| 3.071.02.010 | 200 | 15 | 400V (50) 3Ph | 7.5 | 1450 |
| 3.071.02.009 | 150 | 21 | 400V (50) 3Ph | 7.5 | 1450 |
| 3.071.02.011 | 200 | 21 | 400V (50) 3Ph | 10 | 1450 |
| 3.071.02.012 | 200 | 25 | 400V (50) 3Ph | 15 | 1450 |
| 3.071.02.013 | 200 | 30 | 400V (50) 3Ph | 15 | 1450 |

60
Hz

A richiesta possiamo fornire le elettropompe a 60 Hz
60Hz version supplied on request

ALTRI MODELLI FINO A 500 BAR 54 L/MIN SU RICHIESTA
OTHER UP TO 500 BAR 54 L/MIN AVAILABLE ON DEMAND

CALDAIE



BOILERS





CALDAIE DIESEL PICCOLE, MEDIE E GRANDI SMALL, MEDIUM AND LARGE DIESEL BOILERS



Caldaie con pressioni o portata diversa a richiesta
On demand boilers with different pressures or flow



CALDAIE PICCOLE / SMALL BOILERS

| PORTATA FLOW RATE | PRESSIONE PRESSURE |
|----------------------|--|
| 15 Lt/min | Min: 250 Bar - 3625.95 Psi Max: 350 Bar - 5076.33 Psi |



CALDAIE MEDIE / MEDIUM BOILERS

| PORTATA FLOW RATE | PRESSIONE PRESSURE |
|-----------------------|--|
| 15 - 25 Lt/min | Min: 250 Bar - 3625.95 Psi Max: 500 Bar - 7251.89 Psi |

CARATTERISTICHE STANDARD / STANDARD FEATURES

Corpo in acciaio INOX
Fondo caldaia in fibra ceramica compressa
Spessore serpentina maggiorato
Tubo serpentina senza saldature (dove previsto)
Testa di combustione professionale
Pompa gasolio: bitubo con elettrovalvola
Trasformatore alta tensione
Ventilatore in alluminio
Motore ventilatore autonomo 12V / 24V / 230V / 400V
Protezione termica per motori 230V / 400V
Uscita acqua: 1/2" G
Ugello gasolio
Elettrodi di accensione
Cavi al carbonio con connettori per alta tensione a tenuta stagna
Tubo gasolio in rame

*Stainless Steel body
Boiler 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 fanmotor 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*



CALDAIE GRANDI / LARGE BOILERS

| PORTATA FLOW RATE | PRESSIONE PRESSURE |
|----------------------|--|
| 30 Lt/min | Min: 350 Bar - 5076.33 Psi Max: 500 Bar - 7251.89 Psi |



TESTA DI COMBUSTIONE:
ugello gasolio, elettrodi di accensione, connettori alta tensione, tubo gasolio in rame, controllo fiamma (optional), connettori alta tensione a tenuta stagna.

COMBUSTION HEAD:
diesel nozzle, ignition electrodes, high voltage plugs, copper diesel pipe, flame control (optional), waterproof high tension plugs.



MOTORE CON CONVOGLIATORE
(230V / 400V): termiche sugli avvolgimenti del motore, pompa gasolio.
Filtro gasolio optional.

MOTOR WITH CONVEYOR
(230V / 400V): termic protections on motor reels, diesel pump.
Diesel filter optional.

Accessori Opzionali Optional Accessories

- **Quadro di comando** con interruttore e termostato
- **Tubo serpentina in acciaio inox 304 o 316**
- **Fotocellula controllo fiamma**
- **Control panel with switch and thermostat**
- **Stainless Steel 304 or 316 coil**
- **Flame control photocell**

ESTENSIONE CAMINI / CHIMNEY EXTENTIONS



1.018.02.006 - 190mm - 103x55 mm
1.018.02.007 - 150mm - 74x74 mm
1.018.02.008 - 230mm - 138x54 mm

PROTEZIONE ANTIVENTO / WIND PROTECTION



3.037.02.006 - 240mm - 194x109 mm

ESTRAZIONE FUMI VENTURI / SMOKE EXTRATION VENTURI



| | | | |
|--------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|
| 3.037.02.007 L: 375mm Ø 197 mm | 3.037.02.011 L: 148 mm Ø 123 mm | 3.037.02.002 L: 416mm Ø 123 mm | 3.037.02.004 L: 419mm Ø 123 mm |
|--------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|

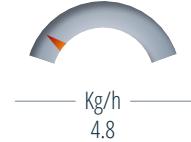
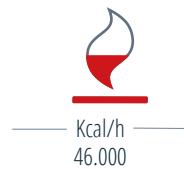
Caldaie **DIESEL** *Boilers*



CALDAIE PICCOLE / SMALL BOILERS

Rendimento / Performance

| PORTATA FLOW RATE | PRESSIONE PRESSURE |
|----------------------|--|
| 15 Lt/min | Min: 250 Bar - 3625.95 Psi Max: 350 Bar - 5076.33 Psi |



IMBALLO / PACKAGING

1 pezzo per pallet / 1 piece each pallet

75 x 60 x 100 cm | 59 kg

4 pezzi per pallet / 4 pieces each pallet

125 x 80 x 115 cm | 205 kg



CARATTERISTICHE TECNICHE / TECHNICAL FEATURES



| Codice Code | Bar | Lt/min | m | Serpentina / Serpentine | | | Uggello Nozzle | Elettrovalvola Electrovalve | Motore Motor | Consumi Consumption | Peso netto Net weight |
|----------------|-----|--------|----|-------------------------|----------------------|------|-------------------|--------------------------------|-----------------|------------------------|--------------------------|
| | | | | Tubo / Pipe | Spessore / Thickness | Ø | | | | | |
| 3.026.02.025 | 250 | 15 | 24 | 2.1 | 3/8" | 1.25 | 12V DC | 12V | 46.000 | 4.8 | 45 |
| 3.026.02.026 | 250 | 15 | 24 | 2.1 | 3/8" | 1.25 | 24V DC | 24V | 46.000 | 4.8 | 45 |
| 3.026.02.027 | 250 | 15 | 24 | 2.1 | 3/8" | 1.25 | 24V AC* | 220V (50) | 46.000 | 4.8 | 44 |
| 3.026.02.028 | 250 | 15 | 24 | 2.1 | 3/8" | 1.25 | 24V AC* | 400V (50) | 46.000 | 4.8 | 44 |



Caldaie con pressioni o portata diversa su richiesta
On demand boilers with different pressures or flow

NOTE / NOTES

COLLETTORE PORTA SONDA TERMOSTATO A RICHIESTA

HOUSING FOR THERMOSTAT ON DEMAND

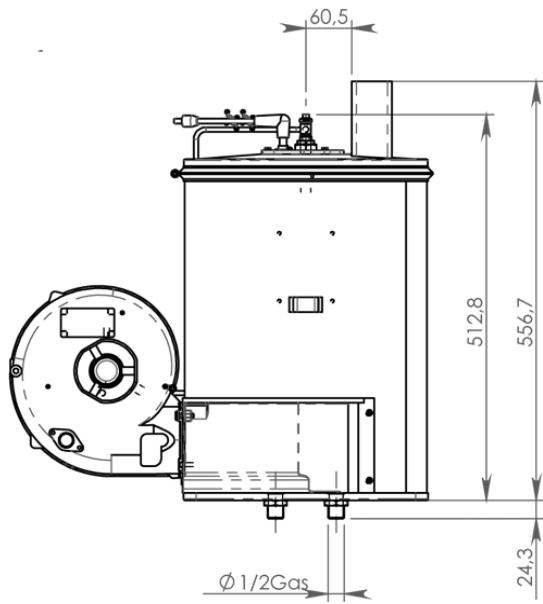
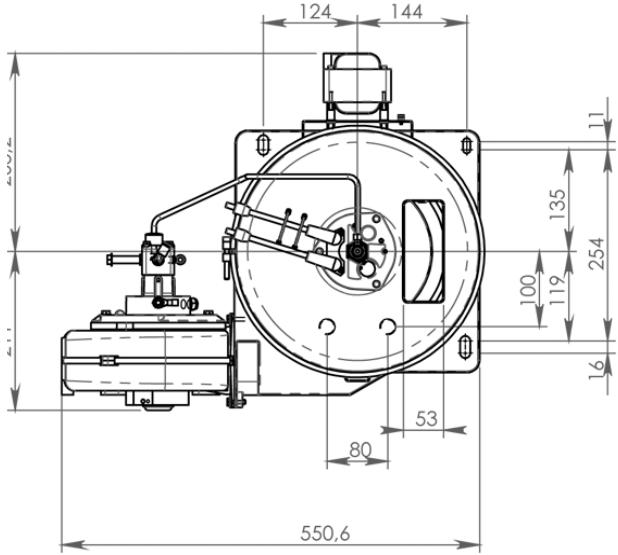
* A richiesta possono essere fornite elettrovalvole a 12V DC - 24V DC - 220V AC - 24V AC

* On demand: 12V DC - 24V DC - 220V AC - 24V AC electrovalves are available

DC: Corrente continua / DC current

AC: Corrente alternata / AC current

DIMENSIONI / DIMENSIONS



Caldaie **DIESEL** *Boilers*



CALDAIE MEDIE / MEDIUM BOILERS

| PORTATA FLOW RATE | PRESSIONE PRESSURE |
|----------------------|--|
| 15 - 25 Lt/min | Min: 250 Bar - 3625.95 Psi Max: 500 Bar - 7251.89 Psi |

Rendimento / Performance



IMBALLO / PACKAGING

1 pezzo per pallet / 1 piece each pallet

75 x 60 x 100 cm | 75 kg

4 pezzi per pallet / 4 pieces each pallet

125 x 80 x 115 cm | 265 kg

CALDAIE MEDIE - 15/25 Lt/min

MEDIUM BOILERS - 15/25 Lt/min



CARATTERISTICHE TECNICHE/ TECHNICAL FEATURES



| Codice Code | Bar | Lt/min | m | Serpentina / Serpentine | | Uggello Nozzle | Elettrovalvola Electrovalve | Motore Motor | Consumi Consumption | Peso netto Net weight |
|----------------|-----|--------|----|-------------------------|----------------------|-------------------|--------------------------------|-----------------|------------------------|--------------------------|
| | | | | Tubo / Pipe | Spessore / Thickness | Ø | | | | |
| 3.026.02.031 | 250 | 15 | 35 | 2.6 | 3/8" | 1.65 | 24V AC* | 400V (50) | 69.000 | 6.8 |
| 3.026.02.032 | 250 | 15 | 35 | 2.6 | 3/8" | 1.65 | 24V AC* | 220V (50) | 69.000 | 6.8 |
| 3.026.02.008 | 250 | 20 | 35 | 2.6 | 3/8" | 2 | 24V AC* | 400V (50) | 80.000 | 8.31 |
| 3.026.02.013 | 250 | 20 | 35 | 2.6 | 3/8" | 2 | 24V AC* | 220V(50) | 80.000 | 8.31 |
| 3.026.02.039 | 250 | 20 | 35 | 2.6 | 3/8" | 2 | 24V DC | 24V | 80.000 | 8.31 |
| 3.026.02.038 | 250 | 20 | 35 | 2.6 | 3/8" | 2 | 12V DC | 12V | 80.000 | 8.31 |
| 3.026.02.007 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 24V AC* | 400V (50) | 90.000 | 9.3 |
| 3.026.02.014 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 24V AC* | 220V (50) | 90.000 | 9.3 |
| 3.026.02.024 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 24V AC* | 220V (60) | 90.000 | 9.3 |
| 3.026.02.019 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 24V DC | 24V | 90.000 | 9.3 |
| 3.026.02.020 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 12V DC | 12V | 90.000 | 9.3 |
| 3.026.02.057 | 350 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V AC* | 220V (50) | 90.000 | 9.3 |
| 3.026.02.054 | 350 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V AC* | 400V (50) | 90.000 | 9.3 |
| 3.026.02.056 | 350 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V DC | 24V | 90.000 | 9.3 |
| 3.026.02.055 | 350 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 12V DC | 12V | 90.000 | 9.3 |
| 3.026.02.059 | 500 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V AC* | 220V (50) | 90.000 | 9.3 |
| 3.026.02.061 | 500 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V AC* | 400V (50) | 90.000 | 9.3 |
| 3.026.02.060 | 500 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V DC | 24V | 90.000 | 9.3 |
| 3.026.02.058 | 500 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 12V DC | 12V | 90.000 | 9.3 |

NOTE / NOTES



Caldaie con pressioni o portata diversa su richiesta
On demand boilers with different pressures or flow

COLLETTORE PORTA SONDA TERMOSTATO A RICHIESTA / HOUSING FOR THERMOSTAT ON DEMAND

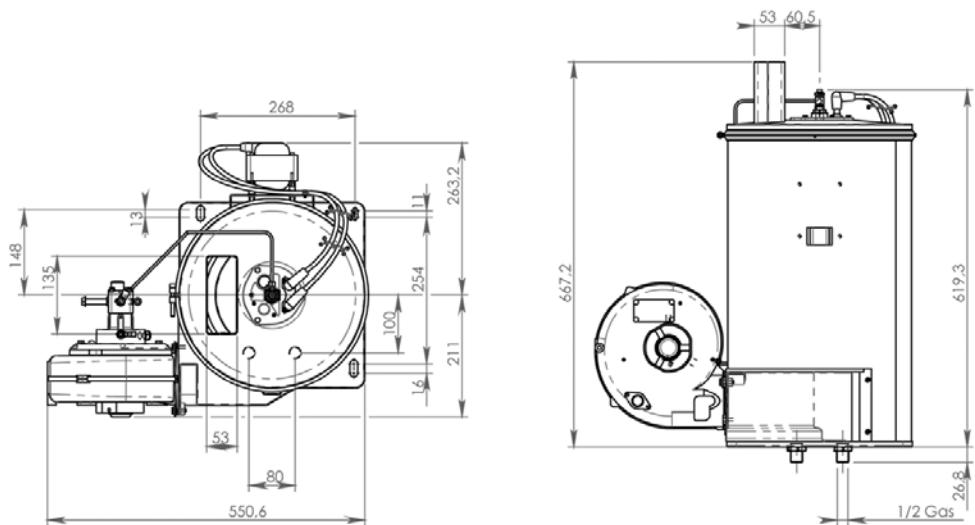
* A richiesta possono essere fornite elettrovalvole a 12V DC - 24V DC - 220V AC - 24V AC

* On demand: 12V DC - 24V DC - 220V AC - 24V AC electrovalves are available

DC: Corrente continua / DC current - AC: Corrente alternata / AC current

** Serpentina senza saldatura / Coil without welding

DIMENSIONI / DIMENSIONS



Caldaie **DIESEL** *Boilers*



CALDAIE GRANDI / LARGE BOILERS

| PORTATA FLOW RATE | PRESSIONE PRESSURE |
|----------------------|--|
| 30 Lt/min | Min: 350 Bar - 5076.33 Psi Max: 500 Bar - 7251.89 Psi |

Rendimento / Performance



IMBALLO / PACKAGING

1 pezzo per pallet / 1 piece each pallet

100 x 65 x 100 cm | 96 kg

2 pezzi per pallet / 2 pieces each pallet

125 x 80 x 115 cm | 195 kg

CALDAIE GRANDI - 30 Lt/min

LARGE BOILERS - 30 Lt/min



CARATTERISTICHE TECNICHE/ TECHNICAL FEATURES



| Codice Code | Bar | Lt/min | Serpentina / Serpentine | | | Uggello Nozzle | Elettrovalvola Electrovalve | Motore Motor | Consumi Consumption | Peso netto Net weight | | | | | |
|----------------|-----|--------|-------------------------|----------------------|------|-------------------|--------------------------------|-----------------|------------------------|--------------------------|--|--|--|--|--|
| | | | m | Tubo / Pipe | | | | | | | | | | | |
| | | | | Spessore / Thickness | Ø | | | | | | | | | | |
| 3.026.02.016 | 350 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V AC* | 400V (50) | 110.000 | 10.50 | | | | | |
| 3.026.02.017 | 350 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V AC* | 220V (50) | 110.000 | 10.50 | | | | | |
| 3.026.02.030 | 350 | 30 | 38.5 | 2.77** | 1/2" | 2.5 | 12V DC | 12V | 110.000 | 10.50 | | | | | |
| 3.026.02.029 | 350 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V DC | 24V | 110.000 | 10.50 | | | | | |
| 3.026.02.052 | 500 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V AC* | 220V (50) | 110.000 | 10.50 | | | | | |
| 3.026.02.053 | 500 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V AC* | 400V (50) | 110.000 | 10.50 | | | | | |
| 3.026.02.047 | 500 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 12V DC | 12V | 110.000 | 10.50 | | | | | |
| 3.026.02.051 | 500 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V DC | 24V | 110.000 | 10.50 | | | | | |
| | | | | | | | | | | 82 | | | | | |



Caldaie con pressioni o portata diversa su richiesta
On demand boilers with different pressures or flow

NOTE / NOTES

COLLETTORE PORTA SONDA TERMOSTATO A RICHIESTA / HOUSING FOR THERMOSTAT ON DEMAND

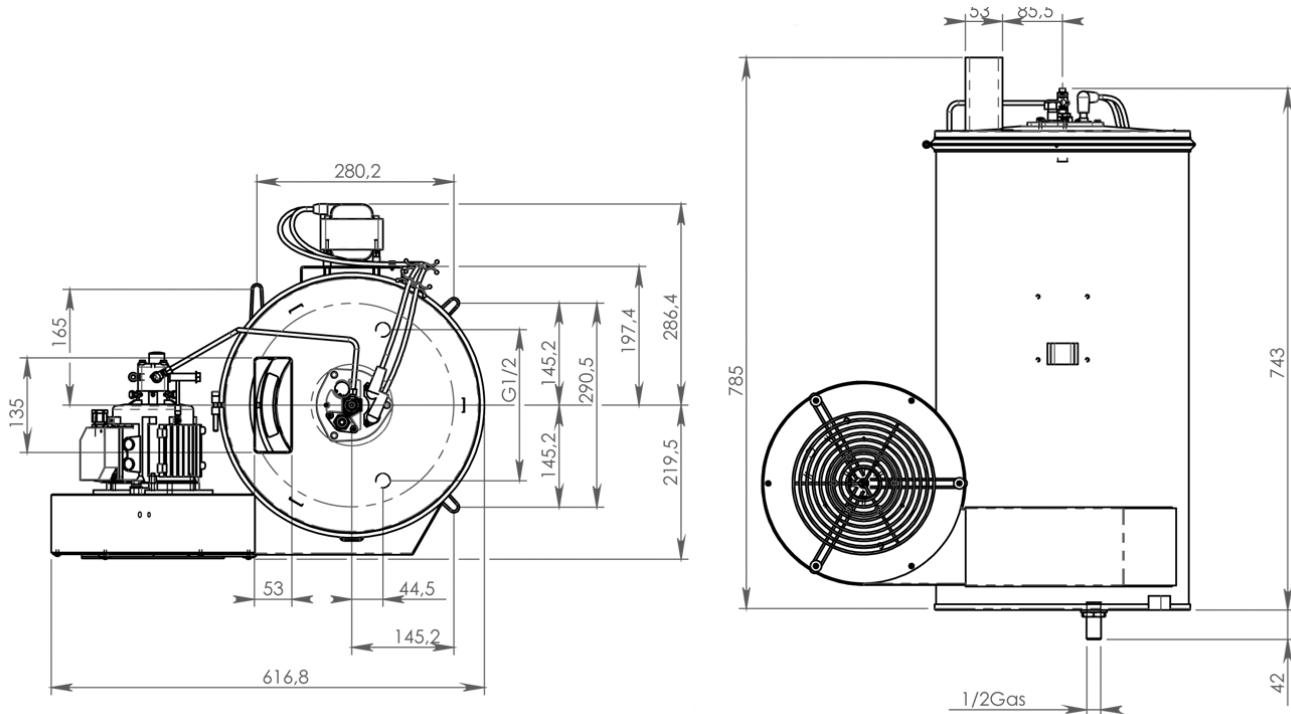
* A richiesta possono essere fornite elettrovalvole A 12V DC - 24V DC - 220V AC - 24V AC

* On demand: 12V DC - 24V DC - 220V AC - 24V AC electrovalves are available

DC: Corrente continua / DC current - AC: Corrente alternata / AC current

** Serpentina senza saldatura / Coil without welding

DIMENSIONI / DIMENSIONS



Caldaie **DIESEL** *Boilers*



CALDAIA AUTONOMA COMPLETA DI QUADRO ELETTRICO

Il quadro elettrico, montabile su tutta la gamma di caldaie Mazzoni, garantisce un controllo completo di tutte le sue funzioni, dalla temperatura all'alimentazione, al contatore.

DIESEL BOILER COMPLETE WITH ELECTRICAL BOX

Electrical box can be mounted on all Mazzoni boilers. It guarantees complete control of its functions, from temperature, supply to the hour counter.

| | |
|--|--|
| | FLUSSOSTATO E PRESSOSTATO <i>FLOWSWITCH AND PRESSURESWITCH</i> |
| | CONTAORE <i>HOUR COUNTER</i> |
| | CONTROLLO FIAMMA <i>FLAME CONTROL</i> |
| | LIVELLO MANCANZA GASOLIO <i>LOW FUEL LEVEL</i> |
| | TERMOSTATO <i>THERMOSTAT</i> |

CALDAIE CON QUADRO ELETTRICO BOILERS COMPLETED WITH ELECTRICAL BOX



CALDAIE CON QUADRO ELETTRICO / BOILERS WITH ELECTRICAL BOX



| Codice Code | Bar | Lt/min | Serpentina / Serpentine | | | Uggello Nozzle | Elettrovalvola Electrovalve | Motore Motor | Consumi Consumption | | Peso netto Net weight Kg | | | | |
|----------------|-----|--------|-------------------------|----------------------|------|-------------------|--------------------------------|-----------------|------------------------|--------|---------------------------------------|--|--|--|--|
| | | | m | Tubo / Pipe | | | | | Volts-Hz | Kcal/h | | | | | |
| | | | | Spessore / Thickness | Ø | | | | | | | | | | |
| 3.026.02.037 | 250 | 15 | 24 | 2.1 | 3/8" | 1.25 | 12V DC | 12V | 46.000 | 4.73 | 48 | | | | |
| 3.026.02.066 | 250 | 15 | 24 | 2.1 | 3/8" | 1.25 | 24V DC | 24V | 46.000 | 4.73 | 48 | | | | |
| 3.026.02.067 | 250 | 15 | 24 | 2.1 | 3/8" | 1.25 | 24V AC* | 220V (50) | 46.000 | 4.73 | 47 | | | | |
| 3.026.02.068 | 250 | 20 | 35 | 2.6 | 3/8" | 2 | 24V AC* | 200V (50) | 80.000 | 8.31 | 60 | | | | |
| 3.026.02.072 | 250 | 20 | 35 | 2.6 | 3/8" | 2 | 24V DC | 24V | 80.000 | 8.31 | 61 | | | | |
| 3.026.02.071 | 250 | 20 | 35 | 2.6 | 3/8" | 2 | 12V DC | 12V | 90.000 | 8.31 | 61 | | | | |
| 3.026.02.062 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 24V AC* | 220V (50) | 90.000 | 9.3 | 62 | | | | |
| 3.026.02.045 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 24V DC | 24V | 90.000 | 9.3 | 61 | | | | |
| 3.026.02.040 | 250 | 25 | 35 | 2.6 | 3/8" | 2.25 | 12V DC | 12V | 90.000 | 9.3 | 61 | | | | |
| 3.026.02.065 | 350 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V AC* | 220V (50) | 90.000 | 9.3 | 62 | | | | |
| 3.026.02.063 | 350 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 24V DC | 24V | 90.000 | 6.8 | 61 | | | | |
| 3.026.02.064 | 350 | 25 | 35 | 2.77 ** | 3/8" | 2.25 | 12V DC | 12V | 90.000 | 8.31 | 61 | | | | |
| 3.026.02.042 | 350 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 12V DC | 12V | 110.000 | 10.50 | 85 | | | | |
| 3.026.02.043 | 350 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V DC | 24V | 110.000 | 10.50 | 85 | | | | |
| 3.026.02.046 | 350 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V AC* | 220V (50) | 110.000 | 10.50 | 84 | | | | |
| 3.026.02.048 | 500 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V AC* | 400V(50) | 110.000 | 10.50 | 84 | | | | |
| 3.026.02.049 | 500 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 12V DC | 12V | 110.000 | 10.50 | 85 | | | | |
| 3.026.02.050 | 500 | 30 | 38.5 | 2.77 ** | 1/2" | 2.5 | 24V DC | 24V | 110.000 | 10.50 | 85 | | | | |
| 3.026.02.073 | 500 | 30 | 38.5 | 2.77** | 1/2" | 2.5 | 2.5 | 220V (50) | 110.000 | 1 | 84 | | | | |

NOTE / NOTES

COLLETTORE PORTA SONDA TERMOSTATO STANDARD / HOUSING FOR THERMOSTAT STANDARD

VALVOLA DI SICUREZZA STANDARD PER 250-350 BAR - PER 500 BAR KIT SU RICHIESTA

STANDARD SAFETY VALVE FOR 250-350BAR BOILERS. KIT ON DEMAND FOR 500 BAR BOILERS

* A richiesta possono essere fornite elettrovalvole A 12V DC - 24V DC - 220V AC - 24V AC

* On demand:12V DC - 24V DC - 220V AC - 24V AC electrovalves are available

DC: Corrente continua / DC current - AC: Corrente alternata / AC current

** Serpentina senza saldatura / Coil without welding


 Caldaie con pressioni o
portata diversa su richiesta
 On demand boilers
 with different pressures or flow



Quadro elettrico
Electrical box



Valvola sicurezza + Motore con convogliatore
Safety valve + Motor with conveyor

Caldaie **GAS** *Boilers*



ALIMENTAZIONE GPL / LPG SUPPLY

ALIMENTAZIONE METANO / METHAN SUPPLY

| | PORTATA FLOW RATE | PRESSIONE PRESSURE | PORTATA FLOW RATE | PRESSIONE PRESSURE |
|-----------------|----------------------|-----------------------|----------------------|-----------------------|
| PICCOLE / SMALL | 15 Lt/min | 250 Bar | 15 Lt/min | 250 Bar |
| MEDIE / MEDIUM | 21 Lt/min | 250 Bar | 21 Lt/min | 250 Bar |
| GRANDI / LARGE | 30 Lt/min | 350 Bar | 30 Lt/min | 350 Bar |

CARATTERISTICHE E CONSUMI

TECHNICAL FEATURES AND CONSUMPTION



ALIMENTAZIONE A GPL / LPG SUPPLY



| Codice Code | Dimensioni Dimensions | Bar | Lt/min | Volts-Hz | Kcal/h | °C | Consumo Consumption | Ingresso Gas Gas Inlet | Peso netto Net weight |
|----------------|--------------------------|-----|--------|----------|---------|------------------------|--------------------------------------|---------------------------|--------------------------|
| 3.026.04.043 | Piccola / Small | 250 | 15 | 230(50) | 75.000 | 70°(ΔT a 0°C) | 3 Nm ² /h | 25÷80 mbar | 47 kg |
| 3.026.04.039 | Media / Medium | 250 | 21 | 230(50) | 90.000 | 70°(ΔT a 0°C) | 3.6 Nm ² /h 25÷80 mbar | 25÷80 mbar | 60 kg |
| 3.026.04.040 | Grande / Large | 350 | 30 | 230(50) | 115.000 | 70°(ΔT a 0°C) | 4.6 Nm ² /h | 25÷80 mbar | 85 kg |

ALIMENTAZIONE A METANO / METHANE SUPPLY



| Codice Code | Dimensioni Dimensions | Bar | Lt/min | Volts-Hz | Kcal/h | °C | Consumo Consumption | Ingresso Gas Gas Inlet | Peso netto Net weight |
|----------------|--------------------------|-----|--------|----------|---------|-------------------------|------------------------|---------------------------|--------------------------|
| 3.026.04.044 | Piccola / Small | 250 | 15 | 230 (50) | 75.000 | 70° (ΔT a 0°C) | 3 Nm ² /h | 25÷80 mbar | 47 kg |
| 3.026.04.045 | Media / Medium | 250 | 21 | 230 (50) | 90.000 | 70° (ΔT a 0°C) | 3.6 Nm ² /h | 25÷80 mbar | 60 kg |
| 3.026.04.046 | Grande / Large | 350 | 30 | 230 (50) | 115.000 | 70° (ΔT a 0°C) | 4.6 Nm ² /h | 25÷80 mbar | 85 kg |

DETTAGLI / DETAILS



Testa di combustione (fronte e retro)
Combustion head (front and rear view)



CARATTERISTICHE DEL QUADRO ELETTRICO
ELECTRICAL BOX FEATURES



| | |
|---|--|
| Interruttore On / Off | On/Off switch |
| Controllo fiamma | Flame control |
| Termostato | Thermostat |
| Tasto di reset | Reset button |
| Controllo acqua con flussostato e pressostato | Water control with flowswitch and pressureswitch |
| Controllo ventilazione | Air controller |
| Controllo pressione massima e minima gas | Min and max gas pressure control system |



ACCESSORI



ACCESSORIES

VALVOLE DI SICUREZZA / SAFETY VALVES

| | |
|----------------------|--------------------|
| Codice / Code | 3.003.22.002 |
| Pressione / Pressure | 300 Bar - 4350 Psi |
| Portata / Flow rate | Max: 40 l/min |
| IN | 3/8" GAS F |
| OUT | 3/8" GAS F/F |
| BY PASS | Ø 12 |



| |
|--------------------|
| 3.003.22.005 |
| 300 Bar - 4350 Psi |
| Max: 40 l/min |
| 3/8" GAS M |
| 3/8" GAS M |
| Ø 12 |



| | |
|--------------------|--------------------|
| 3.003.22.006 | 3.003.22.007 |
| 400 Bar - 5800 Psi | 400 Bar - 5800 Psi |
| Max: 40 l/min | Max: 40 l/min |
| 3/8" GAS F | 3/8" GAS M |
| 3/8" GAS F | 3/8" GAS M |
| Ø 12 | Ø 12 |

VALVOLE BY PASS / BY PASS VALVES

VALVOLA BY PASS / BY PASS VALVE

* Con tenute in vision per alte temperature
* With vision seals for high temperature



| | | |
|------------------------------|------------------------------------|------------------------------------|
| Codice/Code | 3.003.12.004 | 3.003.12.017* |
| Pressione Pressure | 150 - 250 Bar (3650 psi max) | 150 - 250 Bar (3650 psi max) |
| Portata Flow rate | Max: 35 l/min | Max: 35 l/min |
| Foro manometro Gauge port | G1/4 F | G1/4 F |
| In / Out | 3/8" GAS F/F | 3/8" GAS F/F |
| By pass | G 3/8" F | G 3/8" F |



VALVOLA BY PASS CON INIETTORE BY PASS VALVE WITH INJECTOR

| | |
|-----------------------------|---------------------------------|
| Codice/Code | 3.008.12.024 |
| Pressione / Pressure | 150 - 250 Bar (3650 psi max) |
| Portata / Flow rate | Max: 35 l/min |
| Foro manometro / Gauge port | G1/4 F |
| In | G 3/8" F |
| Out | M22 x 1.5M |
| By pass | G 3/8" F |



VALVOLA BY PASS CON PRESSOSTATO BY PASS VALVE WITH PRESSURE SWITCH

| | |
|-----------------------------|---------------------------------|
| Codice/Code | 3.008.12.001 |
| Pressione / Pressure | 150 - 250 Bar (3650 psi max) |
| Portata / Flow rate | Max: 35 l/min |
| Foro manometro / Gauge port | G1/4 F |
| In / Out | 3/8" GAS F/F |
| By Pass | G 3/8" F |



VALVOLA BY PASS CON PRESSOSTATO BY PASS VALVE WITH PRESSURE SWITCH

| | |
|-----------------------------|---------------------------------|
| Codice/Code | 3.003.12.024 |
| Pressione / Pressure | 150 - 250 Bar (3650 psi max) |
| Portata / Flow rate | Max: 35 l/min |
| Foro manometro / Gauge port | G1/4 F |
| In / Out | 3/8" GAS F/F |
| By pass | G 3/8" F |



VALVOLA BY PASS CON PRESSOSTATO ED INIETTORE BY PASS VALVE WITH PRESSURE SWITCH AND INJECTOR

| | |
|-----------------------------|---------------------------------|
| Codice/Code | 3.008.12.011 |
| Pressione / Pressure | 150 - 250 Bar (3650 psi max) |
| Portata / Flow rate | Max: 35 l/min |
| Foro manometro / Gauge port | G1/4 F |
| In | 3/8" GAS F/F |
| Out | M22 x 1.5 |
| By pass | G 3/8" F |



VALVOLA BY PASS CON PRESSOSTATO ED INIETTORE BY PASS VALVE WITH PRESSURE SWITCH AND INJECTOR

| | |
|-----------------------------|---------------------------------|
| Codice/Code | 3.008.12.011 |
| Pressione / Pressure | 150 - 250 Bar (3650 psi max) |
| Portata / Flow rate | Max: 35 l/min |
| Foro manometro / Gauge port | G1/4 F |
| In | 3/8" GAS F/F |
| Out | M22 x 1.5 |
| By pass | G 3/8" F |



Altre portate o pressioni su richiesta / Other flow rates or pressures on demand



AVVOLGITUBO E TUBI ALTA PRESSIONE

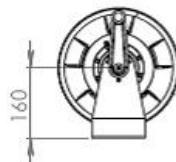
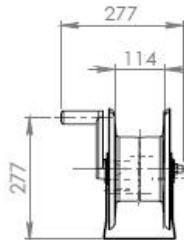
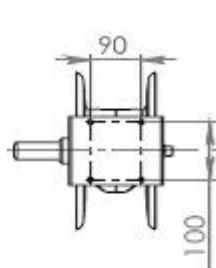
HOSE REEL AND HIGH PRESSURE HOSES

AVVOLGITUBO COMPLETO DI STAFFE E TUBO DI COLLEGAMENTO ALLA MACCHINA

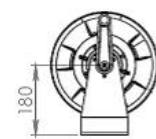
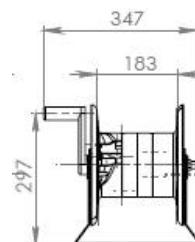
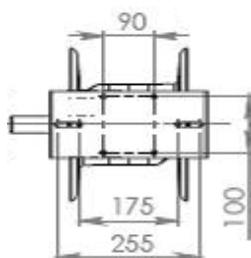
HOSE REEL WITH CONNECTION HOSE TO THE MACHINE



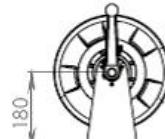
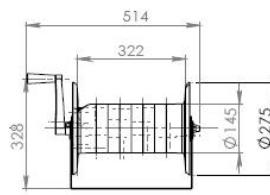
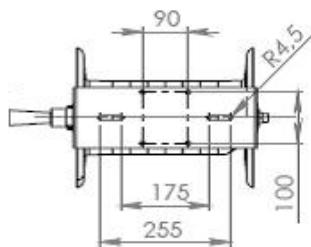
Avvolgitubo piccolo
Small hose reel



Avvolgitubo medio
Medium hose reel



Avvolgitubo grande
Big hose reel



| Codice Code | Posizione Position | Tubo Hose | Descrizione Description |
|----------------|-----------------------|--------------|---|
| 3.048.04.004 | 1 | Max 40mt | AVVOLGITUBO / HOSE REEL STANDARD 3/8" M-M |
| 3.048.04.006 | 2 | Max 30mt | AVVOLGITUBO / HOSE REEL STANDARD 3/8" M-M |
| 3.048.04.007 | 3 | Max 20mt | AVVOLGITUBO / HOSE REEL STANDARD 3/8" M-M |

TUBI AD ALTA PRESSIONE

HIGH PRESSURE HOSES



| Codice Code | Descrizione Description | Attacchi Connection |
|----------------|----------------------------|------------------------------|
| 2.006.24.069 | R2 - 5/16 | 10 mt M22x1,5 – FØ14 G3/8-M |
| 2.006.24.071 | R2 - 5/16 | 20 mt M22x1,5 – FØ14 G3/8-M |
| 2.006.24.038 | R2 - 3/8 | 10 mt. M22x1,5 – FØ14 G3/8-M |
| 2.006.24.045 | R2 - 3/8 | 20 mt. M22x1,5 – FØ14 G3/8-M |


PISTOLE / GUNS
PISTOLA
GUN


| | |
|----------------------|----------------|
| Codice/Code | 3.018.22.004 |
| Pressione / Pressure | 350 Bar |
| Portata / Flow rate | 40 l/min |
| In | G3/8" SWIVEL F |
| Out | G1/4" F |

PISTOLA CON IMPUGNATURA
GUN WITH EXTENSION


| | |
|----------------------|------------------|
| Codice/Code | 3.021.22.003 |
| Pressione / Pressure | 350 Bar |
| Portata / Flow rate | 40 l/min |
| In | G3/8" SWIVEL F |
| Out | M22x1.5 - F Ø 14 |

KIT RIPARAZIONE PISTOLA M200
REPAIR KIT FOR GUN M200


| | |
|-------------|--------------|
| Codice/Code | 9.010.02.001 |
|-------------|--------------|

LANCE SENZA UGELLO
LANCES WITHOUT NOZZLES


| Codice Code | Lung. Length | IN | OUT |
|----------------|-----------------|-------------|-----------|
| 3.022.12.007 | 700 mm | 1/4"GAS - M | 1/4"NPT-F |
| 3.022.12.008 | 900 mm | 1/4"GAS - M | 1/4"NPT-F |
| 3.022.12.009 | 1200 mm | 1/4"GAS - M | 1/4"NPT-F |
| 3.022.12.010 | 1500 mm | 1/4"GAS - M | 1/4"NPT-F |
| 3.022.12.011 | 1700 mm | 1/4"GAS - M | 1/4"NPT-F |
| 3.022.12.012 | 2000 mm | 1/4"GAS - M | 1/4"NPT-F |
| 3.022.12.034 | 700 mm | M 22X1.5 M | 1/4"NPT-F |

LANCE CON UGELLO ROTANTE
TURBO NOZZLE LANCES


| Codice Code | Lancia Lance | Ugello Nozzle | Entrata Inlet |
|----------------|-----------------|------------------|------------------|
| 3.020.22.036 | inox /s.steel | Ø30 | M22 x 1,5 (M) |
| 3.020.22.030 | inox /s.steel | Ø40 | M22 x 1,5 (M) |
| 3.020.22.033 | inox /s.steel | Ø45 | M22 x 1,5 (M) |
| 3.020.22.032 | inox /s.steel | Ø50 | M22 x 1,5 (M) |
| 3.020.22.061 | inox /s.steel | Ø55 | M22 x 1,5 (M) |
| 3.020.22.037 | inox /s.steel | Ø60 | M22 x 1,5 (M) |
| 3.020.22.055 | inox /s.steel | Ø65 | M22 x 1,5 (M) |
| 3.020.22.062 | inox /s.steel | Ø70 | M22 x 1,5 (M) |
| 3.020.22.056 | inox /s.steel | Ø75 | M22 x 1,5 (M) |
| 3.020.22.053 | inox /s.steel | Ø80 | M22 x 1,5 (M) |
| 3.020.22.060 | inox /s.steel | Ø100 | M22 x 1,5 (M) |


ALTRI UGELLI SU RICHIESTA
OTHER SIZE ON DEMAND
TESTINA REGOLABILE
ADJUSTABLE HEAD


| Codice Code | Lunghezza Length | IN | OUT |
|----------------|---------------------|------------|-----------|
| 3.020.22.021 | 500 mm | M22x1.5 mm | 1/4"NPT-F |
| 3.020.22.043 | 700 mm | M22x1.5 mm | 1/4"NPT-F |



KIT STURATUBI E KIT SABBIATURA

DRAIN NOZZLE AND SANDBLASTING KIT

KIT STURATUBI / DRAIN NOZZLE KIT



| Codice Code | Descrizione tubo Hose description | Attacchi Connections |
|-------------------------------|--------------------------------------|--------------------------------|
| SENZA UGELLO / WITHOUT NOZZLE | | |
| 4.007.22.002 | 3/16 | 10 mt. OUT 1/4M IN 1/4 F |
| 4.007.22.004 | 3/16 | 15 mt. OUT 1/4M IN 1/4 F |
| 4.007.22.003 | 3/16 | 20 mt. OUT 1/4M IN 1/4 F |

UGELLI STURATUBI / DRAIN NOZZLE

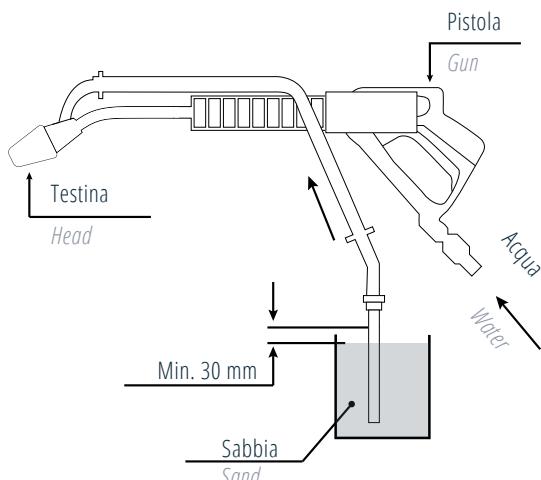


| Codice Code | Descrizione tubo Hose description | Attacchi Connections |
|----------------|---|-------------------------|
| 4.027.02.066 | ugello · nozzle | G1/4-F |
| 4.027.02.087 | 3 + 1 x 0.8mm 055 Inox · Ss | 1/4 BSP F |
| 4.027.02.088 | 3 + 1 x 1,0 mm 08 Inox / Ss | 1/4 BSP F |
| 4.027.02.089 | 3 + 1 x 1,2 mm 095 Inox / Ss | 1/4 BSP F |
| 4.027.02.090 | 3 + 1 x 0,8 mm 055 Inox / Ss | 1/4 BSP M |
| 4.027.02.092 | 3 x 1,2 mm 09 Ottone - Rotante / 09 Brass - Rotating | 1/4 BSP F |
| 4.027.02.093 | 3 x 1,2 mm 09 Ottone - Rotante / 09 Brass - Rotating | 3/8 BSP F |

KIT SABBIATURA / SANDBLASTING KIT



| Codice Code | Descrizione Description | Attacchi Connections |
|----------------|---|-------------------------|
| 3.020.22.038 | ugello widia 0,40 / nozzle | M22 x 1,5 (M) |
| 3.020.22.024 | ugello widia 0,50 / nozzle | M22 x 1,5 (M) |
| 3.020.22.023 | ugello widia 0,60 / nozzle | M22 x 1,5 (M) |
| 3.020.22.022 | ugello widia 0,70 / nozzle | M22 x 1,5 (M) |
| 3.020.22.064 | ugello widia 0,75 / nozzle | M22 x 1,5 (M) |
| 3.020.22.065 | ugello widia 0,85 / nozzle | M22 x 1,5 (M) |
| 3.020.22.066 | 500 bar senza ugello / without nozzle | M22 x 1,5 (M) |
| SABBIA 0,06 | SACCO / SACK (25 KG.) | |
| SABBIA 0,1 | SACCO / SACK (25 KG.) | |
| SABBIA 0,3 | SACCO / SACK (25 KG.) | |
| 1.031.42.001 | Ugello sinterizzato / sinterized nozzle | |



CARATTERISTICHE TECNICHE TECHNICAL FEATURES

| | |
|--|-----------|
| Pressione / pressure - Bar | 130 ÷ 200 |
| Portata / Flow rate - Lt./min | 15 ÷ 40 |
| Consumo sabbia / Sand requirement - Kg/h | 210 ÷ 390 |

NOTE D'IMPIEGO APPLICATION NOTES



Usare sabbia asciutta e setacciata
Use dry sifted sand

| Ø GRANO / Ø GRAIN | TIPO DI SABBIA / TYPE OF SAND | SABBIATURA / SANDBLASTING |
|-------------------|-------------------------------|---------------------------|
| 0 ÷ 0,5 | QUARZO / QUARZ | LEGGERA / LIGHT |
| 0,5 ÷ 0,9 | QUARZO / QUARZ | STANDARD |
| 0,9 ÷ 1,4 | QUARZO / QUARZ | FORTE / HEAVY |



UGELLI, RACCORDI E FILTRI

NOZZLES, FITTINGS AND FILTERS



UGELLI ALTA PRESSIONE INOX HIGH PRESSURE NOZZLES STAINLESS STEEL



| Codice Code | \emptyset | Attacchi Connections |
|----------------|-------------|-------------------------|
| 4.027.02.028 | 1504 | 1/4" NPT |
| 4.027.02.029 | 2504 | 1/4" NPT |
| 4.027.02.034 | 15045 | 1/4" NPT |
| 4.027.02.035 | 25045 | 1/4" NPT |
| 4.027.02.007 | 1505 | 1/4" NPT |
| 4.027.02.001 | 2505 | 1/4" NPT |
| 4.027.02.040 | 15055 | 1/4" NPT |
| 4.027.02.005 | 25055 | 1/4" NPT |
| 4.027.02.044 | 1506 | 1/4" NPT |
| 4.027.02.045 | 2506 | 1/4" NPT |
| 4.027.02.050 | 15065 | 1/4" NPT |
| 4.027.02.051 | 25065 | 1/4" NPT |
| 4.027.02.056 | 1507 | 1/4" NPT |
| 4.027.02.057 | 2507 | 1/4" NPT |
| 4.027.02.070 | 15075 | 1/4" NPT |
| 4.027.02.071 | 25075 | 1/4" NPT |
| 4.027.02.073 | 1508 | 1/4" NPT |
| 4.027.02.074 | 2508 | 1/4" NPT |
| 4.027.02.080 | 1510 | 1/4" NPT |



ALTRI UGELLI SU RICHIESTA
OTHER SIZE ON DEMAND

MANOMETRI / PRESSURE GAUGES



| Codice Code | Attacco Connection | \emptyset | Pressione Pressure |
|----------------|-----------------------|-------------|-----------------------|
| 4.020.04.001 | Radiale Radial | G 1/4 | 63 |
| 4.020.04.005 | Radiale Radial | G 1/4 | 63 |
| 4.020.04.006 | Radiale Radial | G 1/4 | 40 |



| Codice Code | Attacco Connection | \emptyset | Pressione Pressure |
|----------------|-----------------------|-------------|-----------------------|
| 4.020.14.002 | Frontale Frontal | G 1/4 | 50 |

RACCORDI IN ENTRATA QUICK RELEASE COUPLING AND FITTING



INNESTO RAPIDO PLASTICA 1/2" PLASTIC QUICK CONNECTION 1/2"

Codice/Code 3.012.12.001



INNESTO RAPIDO PLASTICA 3/4" PLASTIC QUICK CONNECTION 3/4"

Codice/Code 3.012.12.010

FILTRI / FILTERS



FILTRO ESTERNO
CON RETE E SALI
EXTERNAL FILTER
WITH IMPURITY NET AND SALT
3/4"GAS

Codice/Code 3.032.04.007



FILTRO ESTERNO
CON RETE E SALI
EXTERNAL FILTER
WITH IMPURITY
NET AND SALT
3/4"GAS

Codice/Code 3.032.04.002



FILTRO MAGNETICO
IN PLASTICA
MAGNETIC ANTISCA-
LE IN PLASTIC 3/4"G

Codice/Code 4.028.02.003



FILTRO MAGNETI-
CO IN ACIAIO
MAGNETIC ANTI-
SCALE IN STEEL 3/4"G

Codice/Code 3.032.02.008



FILTRO IN LINEA
G1/2F 50SH
40L/MIN
IN-LINE FILTER
G1/2F 50SH 40L/MIN

Codice/Code 3.032.02.004



FILTRO OTTONE
"Y" 3/4"G-FF
BRASS FILTER "Y"
3/4"G-FF

Codice/Code 3.032.02.005



TABELLA UGELLI

NOZZLES TABLE



TABELLA UGELLI

NOZZLES TABLE

| BAR | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 220 | 240 | 250 | 280 | 300 | 320 | 350 |
|------------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Ø | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 3.3 | 3.6 | 3.8 | 4.1 | 4.4 | 4.6 | 4.8 | 5.0 | 5.2 | 5.4 | 5.6 | 5.8 | 6.0 | 6.2 | 6.3 | 6.5 | 6.8 | 7.1 | 7.3 | 7.7 | 8.0 | 8.2 | 8.6 |
| 03 | 4.8 | 5.3 | 5.7 | 6.1 | 6.5 | 6.8 | 7.1 | 7.4 | 7.8 | 8.0 | 8.3 | 8.6 | 8.9 | 9.1 | 9.4 | 9.6 | 10.1 | 10.5 | 10.8 | 11.4 | 11.8 | 12.2 | 12.7 |
| 04 | 6.4 | 7.0 | 7.6 | 8.1 | 8.6 | 9.1 | 9.5 | 10.0 | 10.4 | 10.8 | 11.1 | 11.5 | 11.9 | 12.2 | 12.5 | 12.9 | 13.5 | 14.1 | 14.4 | 15.2 | 15.8 | 16.3 | 17.0 |
| 045 | 7.3 | 8.0 | 8.6 | 9.2 | 9.8 | 10.3 | 10.8 | 11.3 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.8 | 14.2 | 14.6 | 15.3 | 16.0 | 16.3 | 17.2 | 17.8 | 18.4 | 19.3 |
| 05 | 8.1 | 8.8 | 9.5 | 10.2 | 10.8 | 11.4 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.9 | 17.7 | 18.0 | 19.1 | 19.7 | 20.4 | 21.3 |
| 055 | 8.8 | 9.7 | 10.5 | 11.2 | 11.9 | 12.5 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.7 | 18.5 | 19.4 | 19.8 | 20.9 | 21.7 | 22.4 | 23.4 |
| 06 | 9.7 | 10.6 | 11.5 | 12.3 | 13.0 | 13.7 | 14.4 | 15.0 | 15.6 | 16.2 | 16.8 | 17.3 | 17.9 | 18.4 | 18.9 | 19.4 | 20.3 | 21.2 | 21.7 | 22.9 | 23.7 | 24.5 | 25.6 |
| 065 | 10.5 | 11.5 | 12.4 | 13.2 | 14.0 | 14.8 | 15.5 | 16.2 | 16.9 | 17.5 | 18.1 | 18.7 | 19.3 | 19.9 | 20.4 | 20.9 | 22.0 | 22.9 | 23.4 | 24.8 | 25.6 | 26.5 | 27.7 |
| 07 | 11.3 | 12.4 | 13.4 | 14.3 | 15.2 | 16.0 | 16.8 | 17.5 | 18.2 | 18.9 | 19.6 | 20.2 | 20.9 | 21.5 | 22.1 | 22.6 | 23.7 | 24.8 | 25.3 | 26.8 | 27.7 | 28.6 | 29.9 |
| 075 | 12.1 | 13.2 | 14.3 | 15.3 | 16.2 | 17.1 | 17.9 | 18.7 | 19.5 | 20.2 | 20.9 | 21.6 | 22.3 | 22.9 | 23.6 | 24.2 | 25.4 | 26.5 | 27.0 | 28.6 | 29.6 | 30.6 | 32.0 |
| 08 | 12.9 | 14.1 | 15.2 | 16.3 | 17.3 | 18.2 | 19.1 | 19.9 | 20.8 | 21.5 | 22.3 | 23.0 | 23.7 | 24.4 | 25.1 | 25.7 | 27.0 | 28.2 | 28.8 | 30.5 | 31.5 | 32.6 | 34.0 |
| 085 | 13.7 | 15.0 | 16.2 | 17.4 | 18.4 | 19.4 | 20.3 | 21.3 | 22.1 | 23.0 | 23.8 | 24.5 | 25.3 | 26.0 | 26.7 | 27.4 | 28.8 | 30.1 | 30.7 | 32.5 | 33.6 | 34.7 | 36.3 |
| 09 | 14.8 | 16.3 | 17.6 | 18.8 | 19.9 | 21.0 | 22.0 | 23.0 | 23.9 | 24.8 | 25.7 | 26.6 | 27.4 | 28.2 | 28.9 | 29.7 | 31.1 | 32.5 | 33.2 | 35.1 | 36.4 | 37.6 | 39.3 |
| 095 | 15.6 | 17.0 | 18.4 | 19.7 | 20.9 | 22.0 | 23.1 | 24.1 | 25.1 | 26.0 | 26.9 | 27.8 | 28.7 | 29.5 | 30.3 | 31.1 | 32.6 | 34.1 | 34.8 | 36.8 | 38.1 | 39.4 | 41.2 |
| 10 | 16.3 | 17.8 | 19.2 | 20.6 | 21.8 | 23.0 | 24.1 | 25.2 | 26.2 | 27.2 | 28.2 | 29.1 | 30.0 | 30.9 | 31.7 | 32.5 | 34.1 | 35.6 | 36.4 | 38.5 | 39.8 | 41.1 | 43.0 |
| 11 | 17.7 | 19.4 | 20.9 | 22.4 | 23.7 | 25.0 | 26.2 | 27.4 | 28.5 | 29.6 | 30.6 | 31.6 | 32.6 | 33.5 | 34.5 | 35.4 | 37.1 | 38.7 | 39.5 | 41.8 | 43.3 | 44.7 | 46.8 |
| 115 | 18.4 | 20.1 | 21.8 | 23.3 | 24.7 | 26.0 | 27.3 | 28.5 | 29.6 | 30.8 | 31.8 | 32.9 | 33.9 | 34.9 | 35.8 | 36.8 | 38.6 | 40.3 | 41.1 | 43.5 | 45.0 | 46.5 | 48.6 |
| 12 | 19.1 | 20.9 | 22.6 | 24.1 | 25.6 | 27.0 | 28.3 | 29.6 | 30.8 | 31.9 | 33.1 | 34.2 | 35.2 | 36.2 | 37.2 | 38.2 | 40.0 | 41.8 | 42.7 | 45.2 | 46.8 | 48.3 | 50.5 |
| 125 | 19.8 | 21.7 | 23.4 | 25.0 | 26.6 | 28.8 | 29.4 | 30.7 | 31.9 | 33.1 | 34.3 | 35.4 | 36.5 | 37.6 | 38.6 | 39.6 | 41.5 | 43.4 | 44.3 | 46.9 | 48.5 | 50.1 | 52.4 |
| 13 | 21.2 | 23.2 | 25.1 | 26.8 | 28.5 | 30.0 | 31.5 | 32.9 | 34.2 | 35.5 | 36.7 | 37.9 | 39.1 | 40.2 | 41.4 | 42.4 | 44.5 | 46.5 | 47.4 | 50.2 | 52.0 | 53.7 | 56.1 |
| 14 | 22.6 | 24.8 | 26.8 | 28.6 | 30.4 | 32.0 | 33.6 | 35.1 | 36.5 | 37.9 | 39.2 | 40.5 | 41.7 | 42.9 | 44.1 | 45.3 | 47.5 | 49.6 | 50.6 | 53.5 | 55.4 | 57.2 | 59.9 |
| 15 | 24.0 | 26.3 | 28.4 | 30.4 | 32.3 | 34.0 | 35.7 | 37.2 | 38.8 | 40.2 | 41.6 | 43.0 | 44.3 | 45.6 | 46.9 | 48.1 | 50.4 | 52.7 | 53.8 | 56.9 | 58.9 | 60.8 | 63.6 |
| 16 | 25.5 | 27.9 | 30.1 | 32.2 | 34.2 | 36.0 | 37.8 | 39.4 | 41.0 | 42.6 | 44.1 | 45.5 | 46.9 | 48.3 | 49.6 | 50.9 | 53.4 | 55.8 | 56.9 | 60.2 | 62.4 | 64.4 | 67.3 |
| 18 | 29.0 | 31.8 | 34.3 | 36.7 | 38.9 | 41.0 | 43.0 | 44.9 | 46.7 | 48.5 | 50.2 | 51.9 | 53.5 | 55.0 | 56.5 | 58.0 | 60.8 | 63.5 | 64.8 | 68.6 | 71.0 | 73.3 | 76.7 |
| 20 | 32.5 | 35.6 | 38.5 | 41.1 | 43.6 | 46.0 | 48.2 | 50.4 | 52.4 | 54.4 | 56.3 | 58.2 | 60.0 | 61.7 | 63.4 | 65.1 | 68.2 | 71.3 | 72.7 | 77.0 | 79.7 | 82.3 | 86.1 |
| 25 | 40.3 | 44.2 | 47.7 | 51.0 | 54.1 | 57.0 | 59.8 | 62.4 | 65.01 | 67.4 | 69.8 | 72.1 | 74.3 | 76.5 | 78.6 | 80.6 | 84.5 | 88.3 | 90.1 | 95.4 | 98.7 | 102 | 106.6 |

LT/MIN

TABELLA UGELLI

NOZZLES TABLE



TABELLA UGELLI NOZZLES TABLE

| BAR | 360 | 370 | 380 | 390 | 400 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 | 490 | 500 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Ø | | | | | | | | | | | | | | | |
| 02 | 8,7 | 8,8 | 9,0 | 9,1 | 9,2 | 9,3 | 9,4 | 9,5 | 9,6 | 9,8 | 9,9 | 10,0 | 10,1 | 10,2 | 10,3 |
| 03 | 12,9 | 13,1 | 13,3 | 13,4 | 13,6 | 13,8 | 13,9 | 14,1 | 14,3 | 14,4 | 14,6 | 14,7 | 14,9 | 15,1 | 15,2 |
| 04 | 17,3 | 17,5 | 17,7 | 18,0 | 18,2 | 18,4 | 18,6 | 18,9 | 19,1 | 19,3 | 19,5 | 19,7 | 19,9 | 20,1 | 20,3 |
| 045 | 19,5 | 19,8 | 20,1 | 20,3 | 20,6 | 20,9 | 21,1 | 21,4 | 21,6 | 21,8 | 22,1 | 22,3 | 22,6 | 22,8 | 23,0 |
| 05 | 21,6 | 21,9 | 22,2 | 22,5 | 22,8 | 23,1 | 23,4 | 23,6 | 23,9 | 24,2 | 24,5 | 24,7 | 25,0 | 25,2 | 25,5 |
| 055 | 23,7 | 24,0 | 24,4 | 24,7 | 25,0 | 25,3 | 25,6 | 25,9 | 26,2 | 26,5 | 26,8 | 27,1 | 27,4 | 27,7 | 28,0 |
| 06 | 26,0 | 26,4 | 26,7 | 27,1 | 27,4 | 27,7 | 28,1 | 28,4 | 28,7 | 29,1 | 29,4 | 29,7 | 30,0 | 30,3 | 30,6 |
| 065 | 28,1 | 28,5 | 28,9 | 29,2 | 29,6 | 30,0 | 30,3 | 30,7 | 31,0 | 31,4 | 31,7 | 32,1 | 32,4 | 32,8 | 33,1 |
| 07 | 30,4 | 30,8 | 31,2 | 31,6 | 32,0 | 32,4 | 32,8 | 33,2 | 33,6 | 33,9 | 34,3 | 34,7 | 35,1 | 35,4 | 35,8 |
| 075 | 32,4 | 32,9 | 33,3 | 33,8 | 34,2 | 34,6 | 35,0 | 35,5 | 35,9 | 36,3 | 36,7 | 37,1 | 37,5 | 37,9 | 38,2 |
| 08 | 34,5 | 35,0 | 35,5 | 35,9 | 36,4 | 36,9 | 37,3 | 37,7 | 38,2 | 38,6 | 39,0 | 39,5 | 39,9 | 40,3 | 40,7 |
| 085 | 36,8 | 37,3 | 37,8 | 38,3 | 38,8 | 39,3 | 39,8 | 40,2 | 40,7 | 41,2 | 41,6 | 42,1 | 42,5 | 42,9 | 43,4 |
| 09 | 39,8 | 40,4 | 40,9 | 41,5 | 42,0 | 42,5 | 43,0 | 43,5 | 44,0 | 44,5 | 45,0 | 45,5 | 46,0 | 46,5 | 47,0 |
| 095 | 41,7 | 42,3 | 42,9 | 43,4 | 44,0 | 44,5 | 45,1 | 45,6 | 46,1 | 46,7 | 47,2 | 47,7 | 48,2 | 48,7 | 49,2 |
| 10 | 43,6 | 44,2 | 44,8 | 45,4 | 46,0 | 46,6 | 47,1 | 47,7 | 48,2 | 48,8 | 49,3 | 49,9 | 50,4 | 50,9 | 51,4 |
| 11 | 47,4 | 48,1 | 48,7 | 49,4 | 50,0 | 50,6 | 51,2 | 51,8 | 52,4 | 53,0 | 53,6 | 54,2 | 54,8 | 55,3 | 55,9 |
| 115 | 49,3 | 50,0 | 50,7 | 51,3 | 52,0 | 52,6 | 53,3 | 53,9 | 54,5 | 55,2 | 55,8 | 56,4 | 57,0 | 57,6 | 58,1 |
| 12 | 51,2 | 51,9 | 52,6 | 53,3 | 54,0 | 54,7 | 55,3 | 56,0 | 56,6 | 57,3 | 57,9 | 58,5 | 59,2 | 59,8 | 60,4 |
| 125 | 53,1 | 53,9 | 54,6 | 55,3 | 56,0 | 56,7 | 57,4 | 58,1 | 58,7 | 59,4 | 60,1 | 60,7 | 61,3 | 62,0 | 62,6 |
| 13 | 56,9 | 57,7 | 58,5 | 59,2 | 60,0 | 60,7 | 61,5 | 62,2 | 62,9 | 63,6 | 64,3 | 65,0 | 65,7 | 66,4 | 67,1 |
| 14 | 60,7 | 61,6 | 62,4 | 63,2 | 64,0 | 64,8 | 65,6 | 66,4 | 67,1 | 67,9 | 68,6 | 69,4 | 70,1 | 70,8 | 71,6 |
| 15 | 64,5 | 65,4 | 66,3 | 67,1 | 68,0 | 68,8 | 69,7 | 70,5 | 71,3 | 72,1 | 72,9 | 73,7 | 74,5 | 75,3 | 76 |
| 16 | 68,3 | 69,2 | 70,2 | 71,1 | 72,0 | 72,9 | 73,8 | 74,7 | 75,5 | 76,4 | 77,2 | 78,0 | 78,9 | 79,7 | 80,5 |
| 18 | 77,8 | 78,9 | 79,9 | 81,0 | 82,0 | 83,0 | 84,0 | 85,0 | 86,0 | 87,0 | 87,9 | 88,9 | 89,8 | 90,8 | 91,7 |
| 20 | 87,3 | 88,5 | 89,7 | 90,8 | 92,0 | 93,1 | 94,3 | 95,4 | 96,5 | 97,6 | 98,7 | 99,7 | 100,8 | 101,8 | 102,9 |
| 25 | 108,1 | 109,6 | 111,1 | 112,6 | 114,0 | 115,4 | 116,8 | 118,2 | 119,6 | 120,9 | 122,3 | 123,6 | 124,9 | 126,2 | 127,5 |

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