



CATALOGO | CATALOGUE

INDUSTRIAL 2020





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.

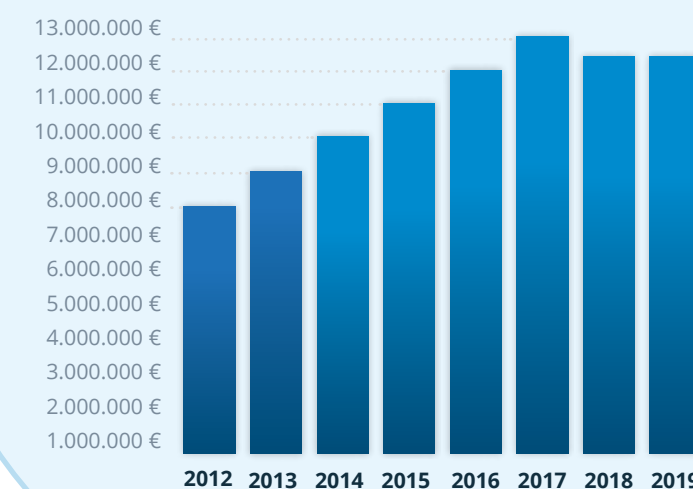
I grafici a fianco esprimono la nostra soddisfazione per una realtà in crescita, in un mercato sempre più complicato ed esigente.

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 degli ultimi anni
Last years turnover





MAZZONI: NEL SETTORE 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. Dal 1996 l'azienda ha ampliato il proprio raggio d'azione, inserendosi a pieno titolo nel mercato della pulizia 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*.

Ora lo stabilimento Mazzoni occupa una superficie di ben **18.000 mq**, ed è in continuo sviluppo per affrontare al meglio le sfide che il mercato proporrà in futuro, con serietà ed esperienza.

L'azienda si trova a **Cavriago**, in provincia di Reggio Emilia. La città è riconosciuta a livello mondiale come il centro produttivo di pompe ad alta pressione e componentistica industriale per il lavaggio professionale.



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 founders and collaboration of highly specialized staff, business growth rose steadily. In 1996 the company expanded its operations to include the industrial cleaning market. This highly competitive, dynamic sector has required not only improvements in technical skills, but also significant growth in terms of flexibility, innovation and development. Now Mazzoni factory covers an area of over 18,000 square meters, and it is in continuous development to better face the challenges that the market will propose in future, with seriousness and experience.

The company is located in Cavriago next to Reggio Emilia. This city is internationally recognized as the productive center for the manufacture of high-pressure pumps and industrial components for professional cleaning.



Le nostre pompe ad alta pressione, motori elettrici e caldaie ad alta pressione sono progettate per garantire affidabilità e durata. Il nostro ufficio tecnico migliora costantemente i prodotti per raggiungere livelli sempre più alti di qualità e di prestazioni.

Le nostre pompe sono nate per essere montate in diverse macchine: idropulitrici ed impianti per il lavaggio in genere, sistemi antincendio, sistemi per il pompaggio di liquidi antigelo, impianti di osmosi inversa, nebulizzatori, irroratori, imbarcazioni, ecc.

Our high pressure pumps, electric motors and high pressure boilers are designed to guarantee reliability and durability. Our technical department constantly improves products to reach ever higher levels of quality and performance.

Our pumps are designed to be installed in different machines: pressure washers and washing systems in general, fire-fighting systems, anti-freeze pumping systems, reverse osmosis systems, nebulizers, sprayers, boats, etc





POMPE ALTA PRESSIONE MAZZONI
HIGH PRESSURE PUMPS

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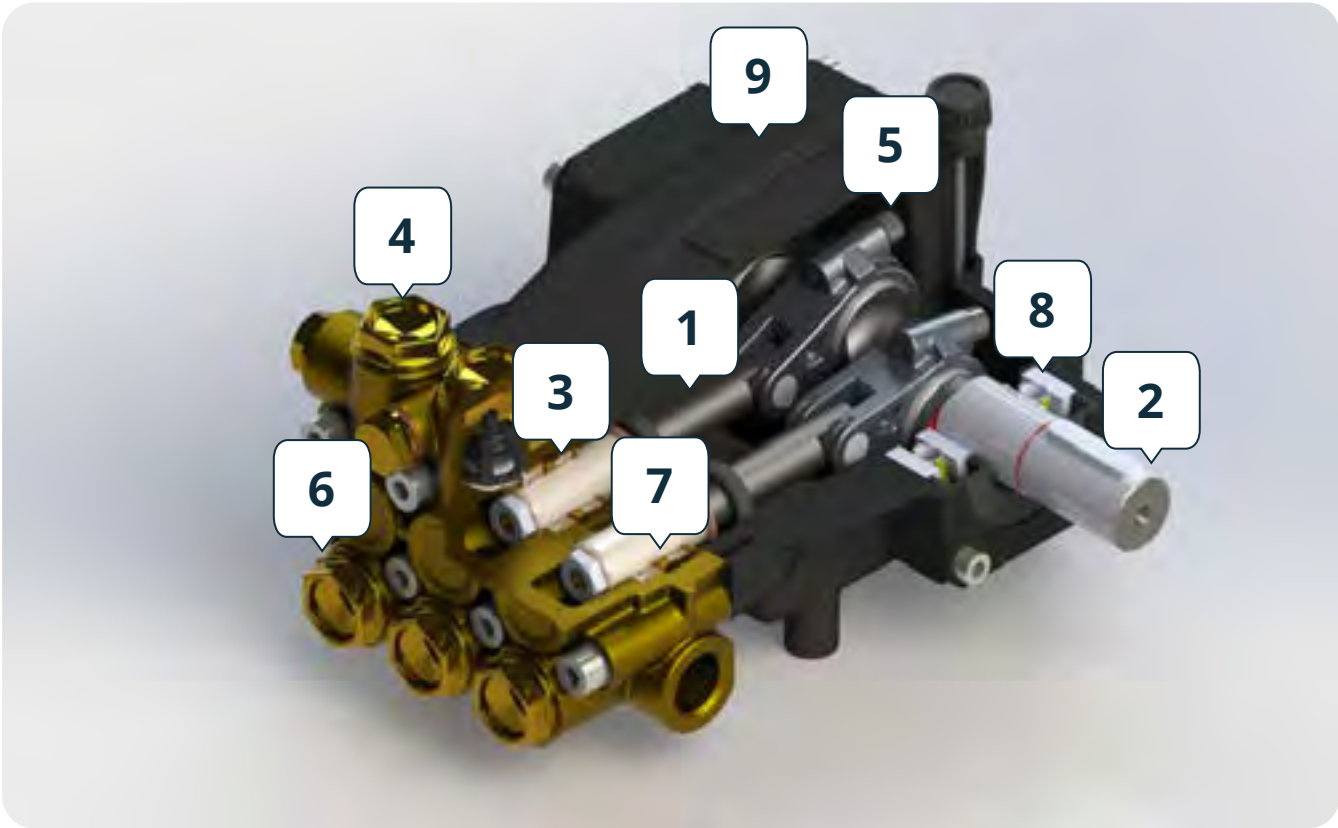
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- 1

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 forgiato 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

INDICE POMPE IN ORDINE DI PRESSIONE
PUMPS LISTED ACCORDING TO PRESSURE



Pressione / Pressure		Portata / Flow Rate			Portata / Flow Rate			Modello Model
Bar	Psi	Lt/min	US gpm	Rpm	Lt/min	US gpm	Rpm	
150	2175	8,50	2,24	1450	10,20	2,69	1740	TPM8150
150	2175	10,00	2,64	1450	12,00	3,17	1740	TPM10150
150	2175	11,00	2,90	1450	13,20	3,48	1740	TPM11150
150	2175	12,00	3,17	1450	14,40	3,80	1740	TPM12150
150	2175	13,00	3,43	1450	15,60	4,12	1740	TPM13150
150	2175	14,00	3,70	1450	16,80	4,44	1740	TPM14150
150	2175	15,00	3,96	1450	18,00	4,75	1740	TPM15150
150	2175	50,00	13,20	1450	60,00	15,84	1740	GM50150R
150	2175	54,00	14,26	1450	64,80	17,11	1740	GM54150R
150	2175	63,00	16,63	1450	75,60	19,96	1740	GM63150R
150	2175	50,00	13,20	1450	60,00	15,84	1740	GM50150-CW
150	2175	54,00	14,26	1450	64,80	17,11	1740	GM54150-CW
150	2175	63,00	16,63	1450	75,60	19,96	1740	GM63150-CW
150	2175	50,00	13,20	1450	60,00	15,84	1740	TGM50150R
150	2175	54,00	14,26	1450	64,80	17,11	1740	TGM54150R
150	2175	63,00	16,63	1450	75,60	19,96	1740	TGM63150R
150	2175	50,00	13,20	1450	60,00	15,84	1740	GMX50150R
150	2175	54,00	14,26	1450	64,80	17,11	1740	GMX54150R
150	2175	63,00	16,63	1450	75,60	19,96	1740	GMX63150R
170	2466	8,50	2,24	1450	10,20	2,69	1740	PM8170
170	2466	10,00	2,64	1450	12,00	3,17	1740	PM10170
170	2466	11,00	2,90	1450	13,20	3,48	1740	PM11170
170	2466	12,00	3,17	1450	14,40	3,80	1740	PM12170
170	2466	13,00	3,43	1450	15,60	4,12	1740	PM13170
170	2466	14,00	3,70	1450	16,80	4,44	1740	PM14170
170	2466	15,00	3,96	1450	18,00	4,75	1740	PM15170
170	2466	8,50	2,24	1450	10,20	2,69	1740	PM8170-CW
170	2466	10,00	2,64	1450	12,00	3,17	1740	PM10170-CW
170	2466	11,00	2,90	1450	13,20	3,48	1740	PM11170-CW
170	2466	12,00	3,17	1450	14,40	3,80	1740	PM12170-CW
170	2466	13,00	3,43	1450	15,60	4,12	1740	PM13170-CW
170	2466	14,00	3,70	1450	16,80	4,44	1740	PM14170-CW
170	2466	15,00	3,96	1450	18,00	4,75	1740	PM15170-CW
170	2466	35,00	9,24	1450	42,00	11,09	1740	GM35170
170	2466	40,00	10,56	1450	48,00	12,67	1740	GM40170
170	2466	43,00	11,35	1450	51,60	13,62	1740	GM43170
170	2466	35,00	9,24	1450	42,00	11,09	1740	GM35170-CW
170	2466	40,00	10,56	1450	48,00	12,67	1740	GM40170-CW
170	2466	43,00	11,35	1450	51,60	13,62	1740	GM43170-CW
170	2466	35,00	9,24	1450	42,00	11,09	1740	TGM35170
170	2466	40,00	10,56	1450	48,00	12,67	1740	TGM40170

 Testata in ottone
Brass Head

 Testata nichelata car wash
Nickel-plated manifold - car wash

 Testata nichelata e tenute per acqua calda 85°C
Nickel-plated manifold + 85°C high temperature seals



INDICE POMPE IN ORDINE DI PRESSIONE
PUMPS LISTED ACCORDING TO PRESSURE

Pressione / Pressure		Portata / Flow Rate			Portata / Flow Rate			Modello Model
Bar	Psi	Lt/min	US gpm	Rpm	Lt/min	US gpm	Rpm	
170	2466	43,00	11,35	1450	51,60	13,62	1740	TGM43170
170	2466	35,00	9,24	1450	42,00	11,09	1740	GMX35170
170	2466	40,00	10,56	1450	48,00	12,67	1740	GMX40170
170	2466	43,00	11,35	1450	51,60	13,62	1740	GMX43170
170	2466	8,50	2,24	1450	Con flangiatura per motori idraulici <i>With flange for hydraulic motors</i>			PM8170-HY
170	2466	10,00	2,64	1450				PM10170-HY
170	2466	11,00	2,90	1450				PM11170-HY
170	2466	12,00	3,17	1450				PM12170-HY
170	2466	13,00	3,43	1450				PM13170-HY
170	2466	14,00	3,70	1450				PM14170-HY
170	2466	15,00	3,96	1450				PM15170-HY
200	2900	12,00	3,17	1450	14,40	3,80	1740	TMM 12200
200	2900	15,00	3,96	1450	18,00	4,75	1740	TMM 15200
200	2900	18,00	4,75	1450	21,60	5,70	1740	TMM 18200
200	2900	21,00	5,54	1450	25,20	6,65	1740	TMM 21200
200	2900	15,00	3,96	1000	18,00	4,75	1200	TMM 15200
200	2900	12,00	3,17	1450	14,40	3,80	1740	MMX 12200
200	2900	15,00	3,96	1450	18,00	4,75	1740	MMX 15200
200	2900	18,00	4,75	1450	21,60	5,70	1740	MMX 18200
200	2900	21,00	5,54	1450	25,20	6,65	1740	MMX 21200
200	2900	15,00	3,96	1000	18,00	4,75	1200	MMX 15200
200	2900	18,00	4,75	1450	21,60	5,70	1740	TGM18200
200	2900	22,00	5,81	1450	26,40	6,97	1740	TGM22200
200	2900	25,00	6,60	1450	30,00	7,92	1740	TGM25200
200	2900	27,00	7,13	1450	32,40	8,55	1740	TGM27200
200	2900	30,00	7,92	1450	36,00	9,50	1740	TGM30200
200	2900	33,00	8,71	1450	39,60	10,45	1740	TGM33200
200	2900	18,00	4,75	1450	21,60	5,70	1740	GMX18200
200	2900	22,00	5,81	1450	26,40	6,97	1740	GMX22200
200	2900	25,00	6,60	1450	30,00	7,92	1740	GMX25200
200	2900	27,00	7,13	1450	32,40	8,55	1740	GMX27200
200	2900	30,00	7,92	1450	36,00	9,50	1740	GMX30200
200	2900	33,00	8,71	1450	39,60	10,45	1740	GMX33200
200	2900	8,50	2,24	3400	Con flangiatura per motori endotermici <i>With flange for endothermic engines</i>			PM8200-EDM E3
200	2900	8,50	2,24	3400				PM8200-EDM E4
200	2900	10,00	2,64	3400				PM10200-EDM E4
200	2900	11,50	3,04	3400				PM11200-EDM E3
200	2900	11,50	3,04	3400				PM11200-EDM E4
200	2900	13,50	3,56	3400				MMD13200-EMD E4
200	2900	14,00	3,70	3400				PM14200-EDM E3

 Testata in acciaio inox e tenute per acqua calda 85°C
Stainless steel manifold + 85°C high temperature seals

 Pompa con flangia per motori idraulici
Pump with flange for hydraulic motors

 Pompa con flangia per motori endotermici
Pump with flange for endothermic engines

INDICE POMPE IN ORDINE DI PRESSIONE
PUMPS LISTED ACCORDING TO PRESSURE



Pressione / Pressure		Portata / Flow Rate			Portata / Flow Rate			Modello Model
Bar	Psi	Lt/min	US gpm	Rpm	Lt/min	US gpm	Rpm	
200	2900	14,00	3,70	3400	Con flangiatura per motori endotermici <i>With flange for endothermic engines</i>			PM14200-EDM E4
200	2900	15,00	3,96	3400				PM15200-EDM E4
200	2900	16,00	4,22	3400				MMD16200-EMD E4
200	2900	18,00	4,75	3400				MMD18200-EMD E4
200	2900	21,00	5,54	3400				MMD21200-EMD E4
250	3626	12,00	3,17	1450	14,40	3,80	1740	MMD 12250
250	3626	15,00	3,96	1450	18,00	4,75	1740	MMD 15250
250	3626	18,00	4,75	1450	21,60	5,70	1740	MMD 18250
250	3626	21,00	5,54	1450	25,20	6,65	1740	MMD 21250
250	3626	15,00	3,96	1000	18,00	4,75	1200	MMD 15250
250	3626	12,00	3,17	1450	14,40	3,80	1740	MMD 12250-CW
250	3626	15,00	3,96	1450	18,00	4,75	1740	MMD 15250-CW
250	3626	18,00	4,75	1450	21,60	5,70	1740	MMD 18250-CW
250	3626	21,00	5,54	1450	25,20	6,65	1740	MMD 21250-CW
250	3626	15,00	3,96	1000	18,00	4,75	1200	MMD 15250-CW
250	3626	30,00	7,92	1450	36,00	9,50	1740	GM30250
250	3626	33,00	8,71	1450	39,60	10,45	1740	GM33250
250	3626	30,00	7,92	1450	36,00	9,50	1740	GM30250-CW
250	3626	33,00	8,71	1450	39,60	10,45	1740	GM33250-CW
250	3626	12,00	3,17	1450	Con flangiatura per motori idraulici <i>With flange for hydraulic motors</i>			MMD12250-HY
250	3626	15,00	3,96	1450				MMD15250-HY
250	3626	18,00	4,75	1450				MMD18250-HY
250	3626	21,00	5,54	1450				MMD21250-HY
300	4351	18,00	4,75	1450	21,60	5,70	1740	GM18300
300	4351	22,00	5,81	1450	26,40	6,97	1740	GM22300
300	4351	25,00	6,60	1450	30,00	7,92	1740	GM25300
300	4351	27,00	7,13	1450	32,40	8,55	1740	GM27300
300	4351	18,00	4,75	1450	21,60	5,70	1740	GM18300-CW
300	4351	22,00	5,81	1450	26,40	6,97	1740	GM22300-CW
300	4351	25,00	6,60	1450	30,00	7,92	1740	GM25300-CW
300	4351	27,00	7,13	1450	32,40	8,55	1740	GM27300-CW
500	7252	11,00	2,90	1450	13,20	3,48	1740	XM11500
500	7252	15,00	3,96	1450	18,00	4,75	1740	XM15500
500	7252	17,00	4,49	1450	20,40	5,39	1740	XM17500
500	7252	21,00	5,54	1450	25,20	6,65	1740	XM21500

Testata in ottone
Brass Head

Testata nichelata car wash
Nickel-plated manifold - car wash

Testata nichelata e tenute per acqua calda 85°C
Nickel-plated manifold + 85°C high temperature seals



INDICE POMPE IN ORDINE DI PORTATA
PUMPS LISTED ACCORDING TO FLOW RATE

Portata / Flow Rate			Pressione / Pressure		Modello Model	Portata / Flow Rate			Pressione / Pressure		Modello Model
l/min	US gpm	RPM	BAR	PSI		l/min	US gpm	RPM	BAR	PSI	
8,50	2,24	1450	150	2175	TPM8150	13,20	3,48	1740	170	2466	PM11170
8,50	2,24	1450	170	2466	PM8170	13,20	3,48	1740	170	2466	PM11170-CW
8,50	2,24	1450	170	2466	PM8170-CW	13,20	3,48	1740	500	7252	XM11500
8,50	2,24	1450	170	2466	PM8170-HY	13,50	3,56	3400	200	2900	MMD13200-EMD E4
8,50	2,24	3400	200	2900	PM8200-EDM E3	14,00	3,70	1450	150	2175	TPM14150
8,50	2,24	3400	200	2900	PM8200-EDM E4	14,00	3,70	1450	170	2466	PM14170
10,00	2,64	1450	150	2175	TPM10150	14,00	3,70	1450	170	2466	PM14170-CW
10,00	2,64	1450	170	2466	PM10170	14,00	3,70	1450	170	2466	PM14170-HY
10,00	2,64	1450	170	2466	PM10170-CW	14,00	3,70	3400	200	2900	PM14200-EDM E3
10,00	2,64	1450	170	2466	PM10170-HY	14,00	3,70	3400	200	2900	PM14200-EDM E4
10,00	2,64	3400	200	2900	PM10200-EDM E4	14,40	3,80	1740	150	2175	TPM12150
10,20	2,69	1740	150	2175	TPM8150	14,40	3,80	1740	170	2466	PM12170
10,20	2,69	1740	170	2466	PM8170	14,40	3,80	1740	170	2466	PM12170-CW
10,20	2,69	1740	170	2466	PM8170-CW	14,40	3,80	1740	200	2900	TMM 12200
11,00	2,90	1450	150	2175	TPM11150	14,40	3,80	1740	200	2900	MMX 12200
11,00	2,90	1450	170	2466	PM11170	14,40	3,80	1740	250	3626	MMD 12250
11,00	2,90	1450	170	2466	PM11170-CW	14,40	3,80	1740	250	3626	MMD 12250-CW
11,00	2,90	1450	170	2466	PM11170-HY	15,00	3,96	1450	150	2175	TPM15150
11,00	2,90	1450	500	7252	XM11500	15,00	3,96	1450	170	2466	PM15170
11,50	3,04	3400	200	2900	PM11200-EDM E3	15,00	3,96	1450	170	2466	PM15170-CW
11,50	3,04	3400	200	2900	PM11200-EDM E4	15,00	3,96	1450	170	2466	PM15170-HY
12,00	3,17	1450	150	2175	TPM12150	15,00	3,96	1450	200	2900	TMM 15200
12,00	3,17	1450	170	2466	PM12170	15,00	3,96	1000	200	2900	TMM 15200
12,00	3,17	1450	170	2466	PM12170-CW	15,00	3,96	1450	200	2900	MMX 15200
12,00	3,17	1450	170	2466	PM12170-HY	15,00	3,96	1000	200	2900	MMX 15200
12,00	3,17	1450	200	2900	TMM 12200	15,00	3,96	3400	200	2900	PM15200-EDM E4
12,00	3,17	1450	200	2900	MMX 12200	15,00	3,96	1450	250	3626	MMD 15250
12,00	3,17	1450	250	3626	MMD 12250	15,00	3,96	1000	250	3626	MMD 15250
12,00	3,17	1450	250	3626	MMD 12250-CW	15,00	3,96	1450	250	3626	MMD 15250-CW
12,00	3,17	1450	250	3626	MMD12250-HY	15,00	3,96	1000	250	3626	MMD 15250-CW
12,00	3,17	1740	150	2175	TPM10150	15,00	3,96	1450	250	3626	MMD15250-HY
12,00	3,17	1740	170	2466	PM10170	15,00	3,96	1450	500	7252	XM15500
12,00	3,17	1740	170	2466	PM10170-CW	15,60	4,12	1740	150	2175	TPM13150
13,00	3,43	1450	150	2175	TPM13150	15,60	4,12	1740	170	2466	PM13170
13,00	3,43	1450	170	2466	PM13170	15,60	4,12	1740	170	2466	PM13170-CW
13,00	3,43	1450	170	2466	PM13170-CW	16,00	4,22	3400	200	2900	MMD16200-EMD E4
13,00	3,43	1450	170	2466	PM13170-HY	16,80	4,44	1740	150	2175	TPM14150
13,20	3,48	1740	150	2175	TPM11150	16,80	4,44	1740	170	2466	PM14170

Testata in acciaio inox e tenute per acqua calda 85°C
Stainless steel manifold + 85°C high temperature seals

Pompa con flangia per motori idraulici
Pump with flange for hydraulic motors

Pompa con flangia per motori endotermici
Pump with flange for endothermic engines

INDICE POMPE IN ORDINE DI PORTATA
PUMPS LISTED ACCORDING TO FLOW RATE



Portata / Flow Rate			Pressione / Pressure		Modello Model	Portata / Flow Rate			Pressione / Pressure		Modello Model
l/min	US gpm	RPM	BAR	PSI		l/min	US gpm	RPM	BAR	PSI	
16,80	4,44	1740	170	2466	PM14170-CW	22,00	5,81	1450	200	2900	TGM22200
17,00	4,49	1450	500	7252	XM17500	22,00	5,81	1450	200	2900	GMX22200
18,00	4,75	1450	200	2900	TMM 18200	22,00	5,81	1450	300	4351	GM22300
18,00	4,75	1450	200	2900	MMX 18200	22,00	5,81	1450	300	4351	GM22300-CW
18,00	4,75	1450	200	2900	TGM18200	25,00	6,60	1450	200	2900	TGM25200
18,00	4,75	1450	200	2900	GMX18200	25,00	6,60	1450	200	2900	GMX25200
18,00	4,75	3400	200	2900	MMD18200-EMD E4	25,00	6,60	1450	300	4351	GM25300
18,00	4,75	1450	250	3626	MMD 18250	25,00	6,60	1450	300	4351	GM25300-CW
18,00	4,75	1450	250	3626	MMD 18250-CW	25,20	6,65	1740	200	2900	TMM 21200
18,00	4,75	1450	250	3626	MMD18250-HY	25,20	6,65	1740	200	2900	MMX 21200
18,00	4,75	1450	300	4351	GM18300	25,20	6,65	1740	250	3626	MMD 21250
18,00	4,75	1450	300	4351	GM18300-CW	25,20	6,65	1740	250	3626	MMD 21250-CW
18,00	4,75	1740	150	2175	TPM15150	25,20	6,65	1740	500	7252	XM21500
18,00	4,75	1740	170	2466	PM15170	26,40	6,97	1740	200	2900	TGM22200
18,00	4,75	1740	170	2466	PM15170-CW	26,40	6,97	1740	200	2900	GMX22200
18,00	4,75	1740	200	2900	TMM 15200	26,40	6,97	1740	300	4351	GM22300
18,00	4,75	1200	200	2900	TMM 15200	26,40	6,97	1740	300	4351	GM22300-CW
18,00	4,75	1740	200	2900	MMX 15200	27,00	7,13	1450	200	2900	TGM27200
18,00	4,75	1200	200	2900	MMX 15200	27,00	7,13	1450	200	2900	GMX27200
18,00	4,75	1740	250	3626	MMD 15250	27,00	7,13	1450	300	4351	GM27300
18,00	4,75	1200	250	3626	MMD 15250	27,00	7,13	1450	300	4351	GM27300-CW
18,00	4,75	1740	250	3626	MMD 15250-CW	30,00	7,92	1450	200	2900	TGM30200
18,00	4,75	1200	250	3626	MMD 15250-CW	30,00	7,92	1450	200	2900	GMX30200
18,00	4,75	1740	500	7252	XM15500	30,00	7,92	1450	250	3626	GM30250
20,40	5,39	1740	500	7252	XM17500	30,00	7,92	1450	250	3626	GM30250-CW
21,00	5,54	1450	200	2900	TMM 21200	30,00	7,92	1740	200	2900	TGM25200
21,00	5,54	1450	200	2900	MMX 21200	30,00	7,92	1740	200	2900	GMX25200
21,00	5,54	3400	200	2900	MMD21200-EMD E4	30,00	7,92	1740	300	4351	GM25300
21,00	5,54	1450	250	3626	MMD 21250	30,00	7,92	1740	300	4351	GM25300-CW
21,00	5,54	1450	250	3626	MMD 21250-CW	32,40	8,55	1740	200	2900	TGM27200
21,00	5,54	1450	250	3626	MMD21250-HY	32,40	8,55	1740	200	2900	GMX27200
21,00	5,54	1450	500	7252	XM21500	32,40	8,55	1740	300	4351	GM27300
21,60	5,70	1740	200	2900	TMM 18200	32,40	8,55	1740	300	4351	GM27300-CW
21,60	5,70	1740	200	2900	MMX 18200	33,00	8,71	1450	200	2900	TGM33200
21,60	5,70	1740	200	2900	TGM18200	33,00	8,71	1450	200	2900	GMX33200
21,60	5,70	1740	200	2900	GMX18200	33,00	8,71	1450	250	3626	GM33250
21,60	5,70	1740	250	3626	MMD 18250	33,00	8,71	1450	250	3626	GM33250-CW
21,60	5,70	1740	250	3626	MMD 18250-CW	35,00	9,24	1450	170	2466	GM35170
21,60	5,70	1740	300	4351	GM18300	35,00	9,24	1450	170	2466	GM35170-CW
21,60	5,70	1740	300	4351	GM18300-CW	35,00	9,24	1450	170	2466	TGM35170

- Testata in ottone
Brass Head
- Testata nichelata car wash
Nickel-plated manifold - car wash
- Testata nichelata e tenute per acqua calda 85°C
Nickel-plated manifold + 85°C high temperature seals



INDICE POMPE IN ORDINE DI PORTATA
PUMPS LISTED ACCORDING TO FLOW RATE

Portata / Flow Rate			Pressione / Pressure		Modello Model
l/min	US gpm	RPM	BAR	PSI	
35,00	9,24	1450	170	2466	GMX35170
36,00	9,50	1740	200	2900	TGM30200
36,00	9,50	1740	200	2900	GMX30200
36,00	9,50	1740	250	3626	GM30250
36,00	9,50	1740	250	3626	GM30250-CW
39,60	10,45	1740	200	2900	TGM33200
39,60	10,45	1740	200	2900	GMX33200
39,60	10,45	1740	250	3626	GM33250
39,60	10,45	1740	250	3626	GM33250-CW
40,00	10,56	1450	170	2466	GM40170
40,00	10,56	1450	170	2466	GM40170-CW
40,00	10,56	1450	170	2466	TGM40170
40,00	10,56	1450	170	2466	GMX40170
42,00	11,09	1740	170	2466	GM35170
42,00	11,09	1740	170	2466	GM35170-CW
42,00	11,09	1740	170	2466	TGM35170
42,00	11,09	1740	170	2466	GMX35170
43,00	11,35	1450	170	2466	GM43170
43,00	11,35	1450	170	2466	GM43170-CW
43,00	11,35	1450	170	2466	TGM43170
43,00	11,35	1450	170	2466	GMX43170
48,00	12,67	1740	170	2466	GM40170
48,00	12,67	1740	170	2466	GM40170-CW
48,00	12,67	1740	170	2466	TGM40170
48,00	12,67	1740	170	2466	GMX40170
50,00	13,20	1450	150	2175	GM50150R
50,00	13,20	1450	150	2175	GM50150-CW
50,00	13,20	1450	150	2175	TGM50150R
50,00	13,20	1450	150	2175	GMX50150R
51,60	13,62	1740	170	2466	GM43170
51,60	13,62	1740	170	2466	GM43170-CW
51,60	13,62	1740	170	2466	TGM43170
51,60	13,62	1740	170	2466	GMX43170
54,00	14,26	1450	150	2175	GM54150R
54,00	14,26	1450	150	2175	GM54150-CW
54,00	14,26	1450	150	2175	TGM54150R
54,00	14,26	1450	150	2175	GMX54150R
60,00	15,84	1740	150	2175	GM50150R
60,00	15,84	1740	150	2175	GM50150-CW
60,00	15,84	1740	150	2175	TGM50150R

Portata / Flow Rate			Pressione / Pressure		Modello Model
l/min	US gpm	RPM	BAR	PSI	
60,00	15,84	1740	150	2175	GMX50150R
63,00	16,63	1450	150	2175	GM63150R
63,00	16,63	1450	150	2175	GM63150-CW
63,00	16,63	1450	150	2175	TGM63150R
63,00	16,63	1450	150	2175	GMX63150R
64,80	17,11	1740	150	2175	GM54150R
64,80	17,11	1740	150	2175	GM54150-CW
64,80	17,11	1740	150	2175	TGM54150R
64,80	17,11	1740	150	2175	GMX54150R
75,60	19,96	1740	150	2175	GM63150R
75,60	19,96	1740	150	2175	GM63150-CW
75,60	19,96	1740	150	2175	TGM63150R
75,60	19,96	1740	150	2175	GMX63150R

PRESSIONE ENTRATA ACQUA

WATER INLET PRESSURE

221 - 105

203 - 95

185 - 85

167 - 75

149 - 65

131 - 55

113 - 45

95 - 35

°F - °C

Bar

Psi

0.5

1

1.5

2

2.5

3

3.5

4

7

15

22

30

35

44

51

58



POMPE AD ALTA PRESSIONE HIGH PRESSURE PUMPS



Motore idraulico
Hydraulic motor



Motore a benzina
Gasoline engine



PM



18-19



PM-CW
CAR WASH

20-21



TPM
HIGH TEMP.

22-23

POMPE CON FLANGIA / PUMPS WITH FLANGE



PM-HY

24-25



PM-EDM

26-27

NEW



MMD

34-35



MMD-CW
CAR WASH

36-37



TMM
HIGH TEMP.

38-39



MMX



40-41

POMPE CON FLANGIA / PUMPS WITH FLANGE



MMD-HY

42-43



MMD-EDM

44-45

NEW



GM

52-56



GM-CW
CAR WASH

56-59



TGM
HIGH TEMP.

60-63



GMX

64-67



XM

72-73

PM SERIES



PM



PM CW



TPM



PM-HY



PM-EDM



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F



PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI



INGRESSO
INLET

G 1/2"



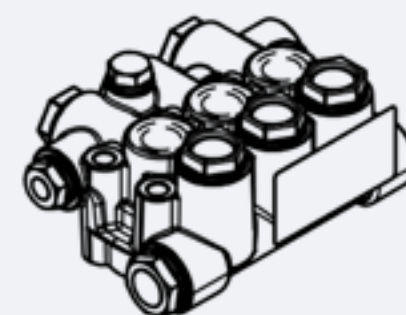
USCITA
OUTLET

G 3/8"



Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione / <i>Pressure</i>		Potenza / <i>Power</i>				Albero <i>Shaft</i> L: 40mm Ø 24
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz		
						HP	Kw	HP	Kw	
P3.010.002	PM8170R	8.50 <i>2,24</i>	10.20 <i>2,69</i>	170.00	<i>2465</i>	3.75	2.80	4.50	3.36	Destra / Right
P3.010.003	PM10170R	10.00 <i>2,64</i>	12.00 <i>3,17</i>	170.00	<i>2465</i>	4.42	3.30	5.30	3.95	Destra / Right
P3.010.004	PM11170R	11.00 <i>2,91</i>	13.20 <i>3,49</i>	170.00	<i>2465</i>	4.86	3.62	5.83	4.35	Destra / Right
P3.010.005	PM12170R	12.00 <i>3,17</i>	14.40 <i>3,8</i>	170.00	<i>2465</i>	5.30	3.95	6.36	4.75	Destra / Right
P3.010.006	PM13170R	13.00 <i>3,43</i>	15.60 <i>4,12</i>	170.00	<i>2465</i>	5.74	4.28	6.89	5.14	Destra / Right
P3.010.007	PM14170R	14.00 <i>3,70</i>	16.80 <i>4,44</i>	170.00	<i>2465</i>	6.18	4.61	7.42	5.54	Destra / Right
P3.010.001	PM15170R	15.00 <i>3,96</i>	18.00 <i>4,76</i>	170.00	<i>2465</i>	6.62	4.94	7.95	5.93	Destra / Right
P3.010.009	PM8170L	8.50 <i>2,24</i>	10.20 <i>2,69</i>	170.00	<i>2465</i>	3.75	2.80	4.50	3.36	Sinistra / Left
P3.010.010	PM10170L	10.00 <i>2,64</i>	12.00 <i>3,17</i>	170.00	<i>2465</i>	4.42	3.30	5.30	3.95	Sinistra / Left
P3.010.011	PM11170L	11.00 <i>2,91</i>	13.20 <i>3,49</i>	170.00	<i>2465</i>	4.86	3.62	5.83	4.35	Sinistra / Left
P3.010.012	PM12170L	12.00 <i>3,17</i>	14.40 <i>3,8</i>	170.00	<i>2465</i>	5.30	3.95	6.36	4.75	Sinistra / Left
P3.010.013	PM13170L	13.00 <i>3,43</i>	15.60 <i>4,12</i>	170.00	<i>2465</i>	5.74	4.28	6.89	5.14	Sinistra / Left
P3.010.014	PM14170L	14.00 <i>3,7</i>	16.80 <i>4,44</i>	170.00	<i>2465</i>	6.18	4.61	7.42	5.54	Sinistra / Left
P3.010.008	PM15170L	15.00 <i>3,96</i>	18.00 <i>4,76</i>	170.00	<i>2465</i>	6.62	4.94	7.95	5.93	Sinistra / Left

RICAMBI / SPARE PARTS



KIT - P9.040.002

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.003

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.002

PISTONE Ø18 POMPA PM
KIT CERAMIC PISTON



KIT - P9.001.002

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.004

GUARNIZIONE PISTONE Ø18 - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.002

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

PM	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm		Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	8.50 » 15.00	2.24 » 3.96	1450	170	2465	0.4	0.1	7.5	16.53
60Hz	10.20 » 18.00	2.69 » 4.75	1740						



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI

INGRESSO
INLET

G 1/2"

USCITA
OUTLET

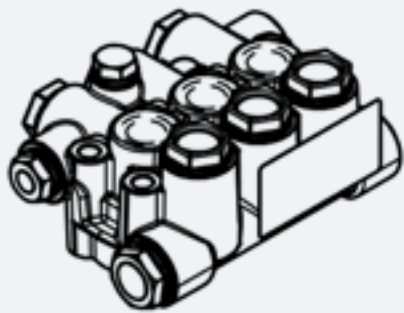
G 3/8"

TESTATA NICHELATA
NICKEL PLATED MANIFOLD



Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione / <i>Pressure</i>		Potenza / <i>Power</i>				Albero <i>Shaft</i> L: 40mm Ø 24
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz		
						HP	Kw	HP	Kw	
P3.012.001	PM8170 R	8 2,11	10 2,64	170.00 2465	3.75 2.80	4.50 3.36	Destra / Right			
P3.012.002	PM10170 R	10 2,64	12 3,17	170.00 2465	4.42 3.30	5.30 3.95	Destra / Right			
P3.012.003	PM11170 R	11 2,91	13,2 3,49	170.00 2465	4.86 3.62	5.83 4.35	Destra / Right			
P3.012.004	PM12170 R	12 3,17	14,4 3,80	170.00 2465	5.30 3.95	6.36 4.75	Destra / Right			
P3.012.005	PM13170 R	13 3,43	15,6 4,12	170.00 2465	5.74 4.28	6.89 5.14	Destra / Right			
P3.012.006	PM14170 R	14 3,70	16,8 4,44	170.00 2465	6.18 4.61	7.42 5.54	Destra / Right			
P3.012.007	PM15170 R	15 3,96	18 4,76	170.00 2465	6.62 4.94	7.95 5.93	Destra / Right			
P3.012.008	PM8170 L	8 2,11	10 2,64	170.00 2465	3.75 2.80	4.50 3.36	Sinistra / Left			
P3.012.009	PM10170 L	10 2,64	12 3,17	170.00 2465	4.42 3.30	5.30 3.95	Sinistra / Left			
P3.012.010	PM11170 L	11 2,91	13,2 3,49	170.00 2465	4.86 3.62	5.83 4.35	Sinistra / Left			
P3.012.011	PM12170 L	12 3,17	14,4 3,80	170.00 2465	5.30 3.95	6.36 4.75	Sinistra / Left			
P3.012.012	PM13170 L	13 3,43	15,6 4,12	170.00 2465	5.74 4.28	6.89 5.14	Sinistra / Left			
P3.012.013	PM14170 L	14 3,70	16,8 4,44	170.00 2465	6.18 4.61	7.42 5.54	Sinistra / Left			
P3.012.014	PM15170 L	15 3,96	18 4,76	170.00 2465	6.62 4.94	7.95 5.93	Sinistra / Left			

RICAMBI / SPARE PARTS



KIT - P9.040.013

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.003

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.002

PISTONE Ø18 POMPA PM
KIT CERAMIC PISTON



KIT - P9.001.002

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.004

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.002

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

PM-CW CAR WASH	 PORTATA FLOW RATE		 GIRI ROUNDS	 PRESSIONE MASSIMA MAX PRESSURE		 CAPACITÀ OLIO OIL CAPACITY		 PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	8.00 » 15.00	2.24 » 3.96	1450	170	2465	0.4	0.1	7.5	16.53
60Hz	10.00 » 18.00	2.69 » 4.75	1740						



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

85°C
185° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

3 BAR
43.51 PSI

INGRESSO
INLET

G 1/2"

USCITA
OUTLET

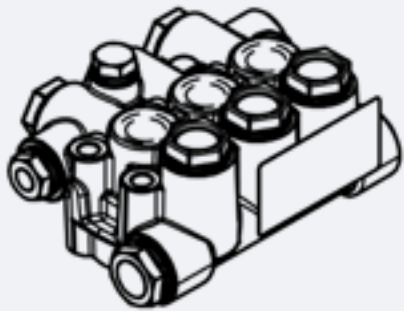
G 3/8"

TESTATA NICHELATA
NICKEL PLATED MANIFOLD



Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione / <i>Pressure</i>		Potenza / <i>Power</i>				Albero <i>Shaft</i> L: 40mm Ø 24
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz		
						HP	Kw	HP	Kw	
P3.011.002	TPM8150 R	8.50 <i>2,24</i>	10.20 <i>2,69</i>	150.00	<i>2175.57</i>	3.31	2.47	3.97	2.96	Destra / Right
P3.011.003	TPM10150 R	10.00 <i>2,64</i>	12.00 <i>3,17</i>	150.00	<i>2175.57</i>	3.90	2.91	4.68	3.49	Destra / Right
P3.011.004	TPM11150 R	11.00 <i>2,91</i>	13.20 <i>3,49</i>	150.00	<i>2175.57</i>	4.29	3.20	5.14	3.83	Destra / Right
P3.011.005	TPM12150 R	12.00 <i>3,17</i>	14.40 <i>3,8</i>	150.00	<i>2175.57</i>	4.68	3.49	5.61	4.18	Destra / Right
P3.011.006	TPM13150 R	13.00 <i>3,43</i>	15.60 <i>4,12</i>	150.00	<i>2175.57</i>	5.06	3.77	6.08	4.53	Destra / Right
P3.011.007	TPM14150 R	14.00 <i>3,70</i>	16.80 <i>4,44</i>	150.00	<i>2175.57</i>	5.45	4.06	6.55	4.88	Destra / Right
P3.011.001	TPM15150 R	15.00 <i>3,96</i>	18.00 <i>4,76</i>	150.00	<i>2175.57</i>	5.84	4.35	7.01	5.22	Destra / Right
P3.011.009	TPM8150 L	8.50 <i>2,24</i>	10.20 <i>2,69</i>	150.00	<i>2175.57</i>	3.31	2.47	3.97	2.96	Sinistra / Left
P3.011.010	TPM10150 L	10.00 <i>2,64</i>	12.00 <i>3,17</i>	150.00	<i>2175.57</i>	3.31	2.47	4.68	3.49	Sinistra / Left
P3.011.011	TPM11150 L	11.00 <i>2,91</i>	13.20 <i>3,49</i>	150.00	<i>2175.57</i>	4.29	3.20	5.14	3.83	Sinistra / Left
P3.011.012	TPM12150 L	12.00 <i>3,17</i>	14.40 <i>3,8</i>	150.00	<i>2175.57</i>	4.68	3.49	5.61	4.18	Sinistra / Left
P3.011.013	TPM13150 L	13.00 <i>3,43</i>	15.60 <i>4,12</i>	150.00	<i>2175.57</i>	5.06	3.77	6.08	4.53	Sinistra / Left
P3.011.014	TPM14150 L	14.00 <i>3,7</i>	16.80 <i>4,44</i>	150.00	<i>2175.57</i>	5.45	4.06	6.55	4.88	Sinistra / Left
P3.011.008	TPM15150 L	15.00 <i>3,96</i>	18.00 <i>4,76</i>	150.00	<i>2175.57</i>	5.84	4.35	7.01	5.22	Sinistra / Left

RICAMBI / SPARE PARTS



KIT - P9.040.015

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.015

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.002

PISTONE Ø18 POMPA PM
KIT CERAMIC PISTON



KIT - P9.001.002

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.016

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.002

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

TPM HIGH TEMPERATURE	 PORTATA FLOW RATE		 GIRI ROUNDS	 PRESSIONE MASSIMA MAX PRESSURE		 CAPACITÀ OLIO OIL CAPACITY		 PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
	50HZ	8.00 » 15.00	2.24 » 3.96	1450	150	2175.57	0.4	0.1	7.5
60Hz	10.20 » 18.00	2.69 » 4.75	1740						

PM-HY

MOTORE IDRAULICO / HYDRAULIC MOTOR



PM-HY

MOTORE IDRAULICO / HYDRAULIC MOTOR

MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI

INGRESSO
INLET

G 1/2"

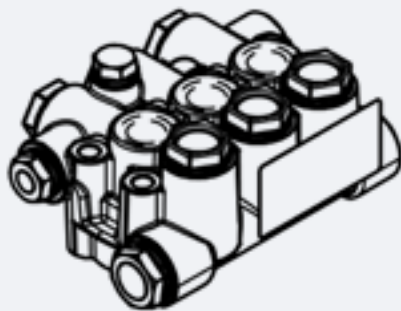
USCITA
OUTLET

G 3/8"



Codice Code	Modello Model	Portata / Flow Rate lt/min - gpm		Pressione / Pressure		Potenza / Power		Albero / Shaft SAE A - Cilindrico / Cylindrical Ø 15.9mm / 0.626"
		1450 rpm		Bar	Psi	HP	Kw	
P3.010.201	PM8170R-HY	8.50	2,24	170.00	2465	3.75	2.80	Destra / Right
P3.010.202	PM10170R-HY	10.00	2,64	170.00	2465	4.42	3.30	Destra / Right
P3.010.203	PM11170R-HY	11.00	2,91	170.00	2465	4.86	3.62	Destra / Right
P3.010.204	PM12170R-HY	12.00	3,17	170.00	2465	5.30	3.95	Destra / Right
P3.010.205	PM13170R-HY	13.00	3,43	170.00	2465	5.74	4.28	Destra / Right
P3.010.206	PM14170R-HY	14.00	3,70	170.00	2465	6.18	4.61	Destra / Right
P3.010.207	PM15170R-HY	15.00	3,96	170.00	2465	6.62	4.94	Destra / Right
P3.010.208	PM8170L-HY	8.50	2,24	170.00	2465	3.75	2.80	Sinistra / Left
P3.010.209	PM10170L-HY	10.00	2,64	170.00	2465	4.42	3.30	Sinistra / Left
P3.010.210	PM11170L-HY	11.00	2,91	170.00	2465	4.86	3.62	Sinistra / Left
P3.010.211	PM12170L-HY	12.00	3,17	170.00	2465	5.30	3.95	Sinistra / Left
P3.010.212	PM13170L-HY	13.00	3,43	170.00	2465	5.74	4.28	Sinistra / Left
P3.010.213	PM14170L-HY	14.00	3,7	170.00	2465	6.18	4.61	Sinistra / Left
P3.010.214	PM15170L-HY	15.00	3,96	170.00	2465	6.62	4.94	Sinistra / Left

RICAMBI / SPARE PARTS



KIT - P9.040.002

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.003

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.002

PISTONE Ø18 POMPA PM
KIT CERAMIC PISTON



KIT - P9.001.002

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.004

GUARNIZIONE PISTONE Ø18 - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.002

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

PM-HY	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	8.00 » 14.00	2.14 » 3.69	1450	170	2465	0.4	0.1	7.91	17.40

PM-EDM-E3/E4
MOTORE A BENZINA / GASOLINE ENGINE



PM-EDM-E3/E4
MOTORE A BENZINA / GASOLINE ENGINE

Technical specifications: MASSIMA TEMPERATURA INGRESSO ACQUA (MAX INPUT WATER TEMPERATURE) 65°C / 149°F, PRESSIONE MINIMA INGRESSO (MINIMAL INPUT PRESSURE) 0.2 BAR / 2.9 PSI, INGRESSO (INLET) G 1/2", USCITA (OUTLET) G 3/8"



Table with 10 columns: PM-EDM, PORTATA FLOW RATE (Lt/min, Gpm), GIRI ROUNDS (Rpm), PRESSIONE MASSIMA MAX PRESSURE (Bar, Psi), CAPACITÀ OLIO OIL CAPACITY (Lt, Gal), PESO WEIGHT (Kg, Lbs). Rows for E3 and E4 models.

Table with 8 columns: Codice Code, Modello Model, Portata / Flow Rate (3400 rpm), Pressione / Pressure (Bar, Psi), Potenza / Power (HP, Kw), Albero / Shaft (SAE J1609A E3). Rows for models PM8200R-EDM-E3, PM11200R-EDM-E3, PM14200R-EDM-E3 and their L variants.

Table with 8 columns: Codice Code, Modello Model, Portata / Flow Rate (3400 rpm), Pressione / Pressure (Bar, Psi), Potenza / Power (HP, Kw), Albero / Shaft (SAE J1609A E4). Rows for models PM8200R-EDM-E4, PM10200R-EDM-E4, PM11200R-EDM-E4, PM14200R-EDM-E4, PM15200R-EDM-E4 and their L variants.

RICAMBI / SPARE PARTS

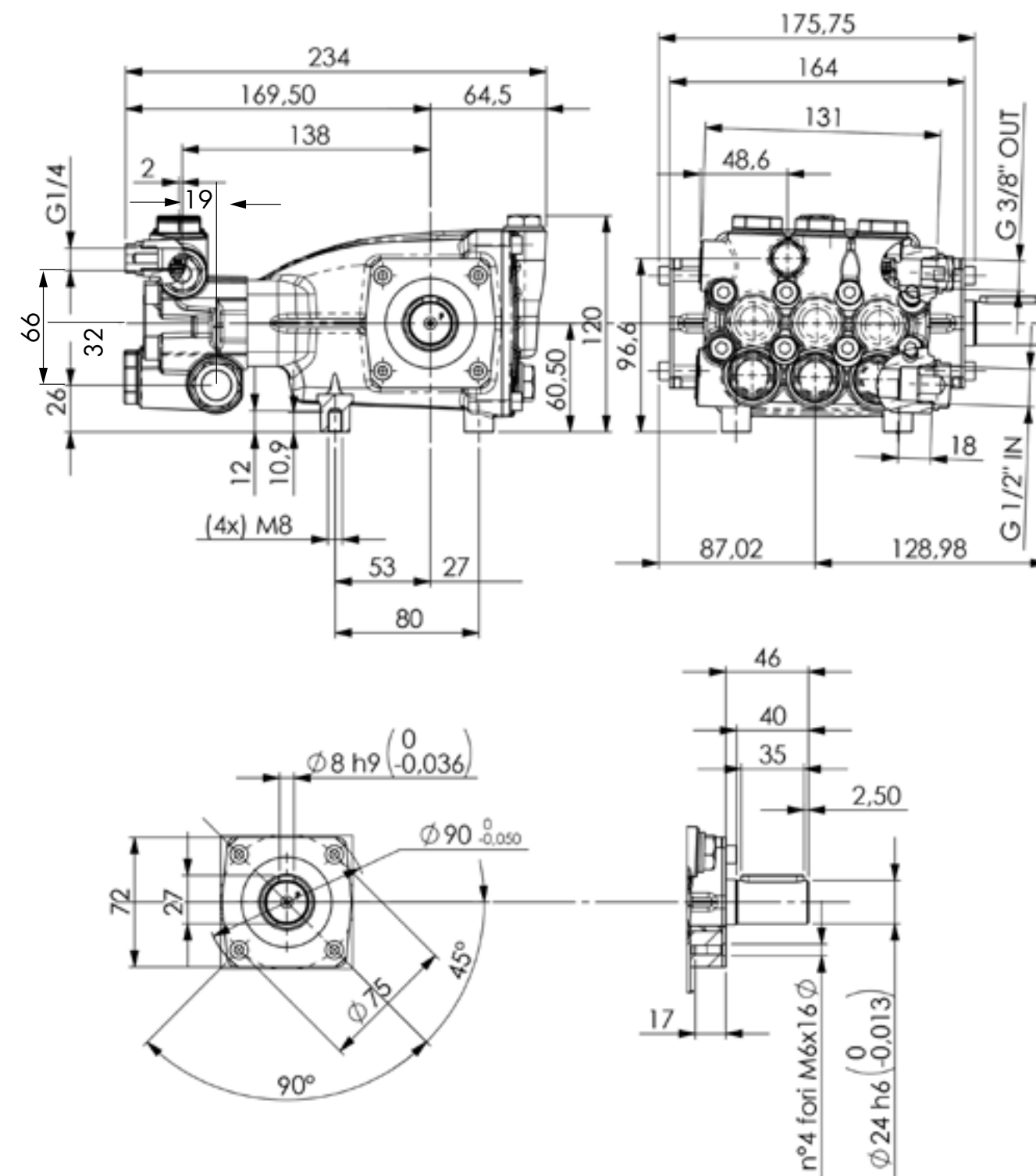
Spare parts kits including: KIT - P9.003.051 (GUARNIZIONE PISTONE - PACCO COMPLETO), KIT - P9.041.008 (PREMONTATO BIELLA - ASTA), KIT - P9.040.034 (TESTATA COMPLETA), KIT - P9.004.021 (PISTONE DIAMETRO 14), KIT - P9.003.050 (GUARNIZIONE PISTONE), KIT - P9.039.001 (ANELLI TENUTA OLIO ASTA), KIT - P9.001.002 (VALVOLA COMPLETA).



		GIRI <i>RPM</i>	PORTATA <i>FLOW RATE</i>	PRESSIONE MASSIMA <i>MAX PRESSURE</i>	MAX. TEMP. INGRESSO ACQUA <i>MAX INPUT WATER TEMPERATURE</i>
	50 Hz	1450	8.50 - 15.00 lt/min	170 Bar 2465 Psi	65°C 149° F
			2.24 - 3.96 gpm		
	60Hz	1740	10.20 - 18.00 lt/min		
2.69 - 4.75 gpm					

		GIRI <i>RPM</i>	PORTATA <i>FLOW RATE</i>	PRESSIONE MASSIMA <i>MAX PRESSURE</i>	MAX. TEMP. INGRESSO ACQUA <i>MAX INPUT WATER TEMPERATURE</i>
	50 Hz	1450	8.50 - 15.00 lt/min	170 Bar 2465 Psi	65°C 149° F
			2.24 - 3.96 gpm		
	60Hz	1740	10.20 - 18.00 lt/min		
2.69 - 4.75 gpm					

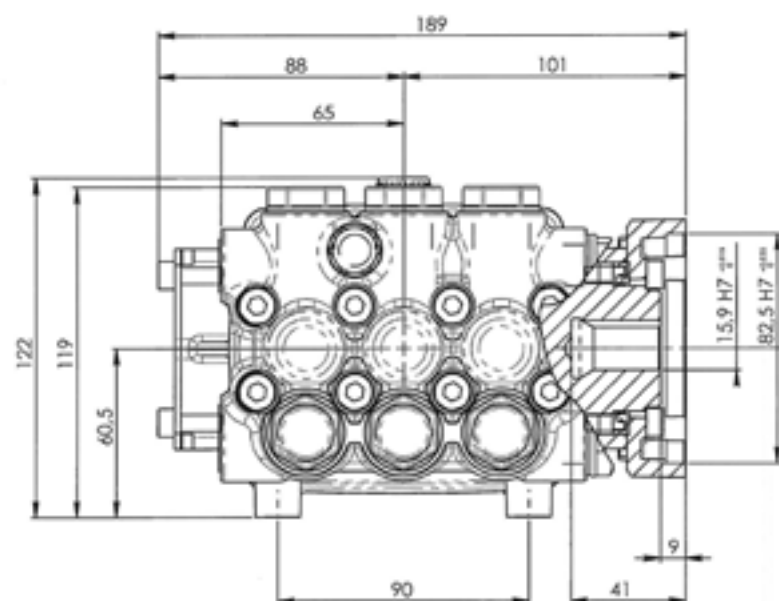
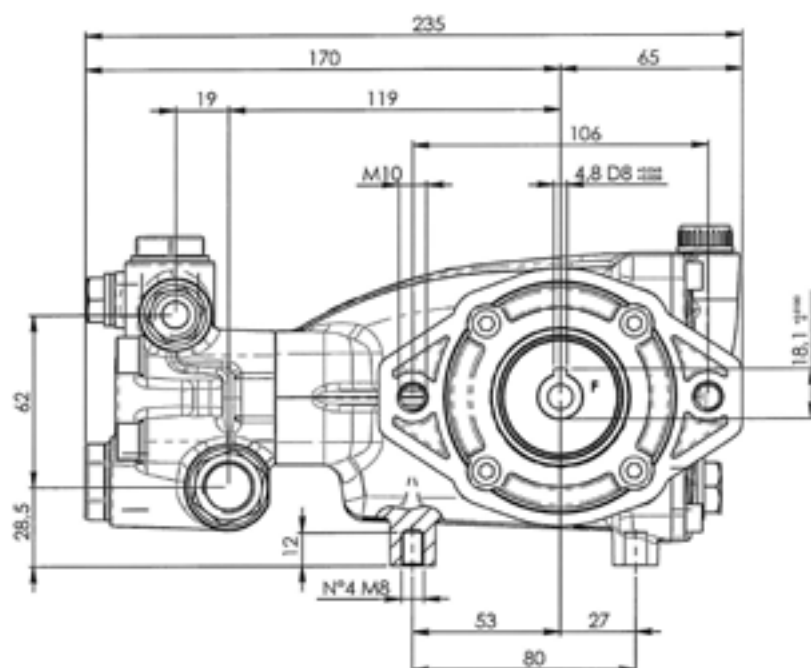
		GIRI <i>RPM</i>	PORTATA <i>FLOW RATE</i>	PRESSIONE MASSIMA <i>MAX PRESSURE</i>	MAX. TEMP. INGRESSO ACQUA <i>MAX INPUT WATER TEMPERATURE</i>
	50 Hz	1450	8.50 - 15.00 lt/min	150 Bar 2175 Psi	85°C 185° F
			2.24 - 3.96 gpm		
	60Hz	1740	10.20 - 18.00 lt/min		
2.69 - 4.75 gpm					





PM-HY | SAE A

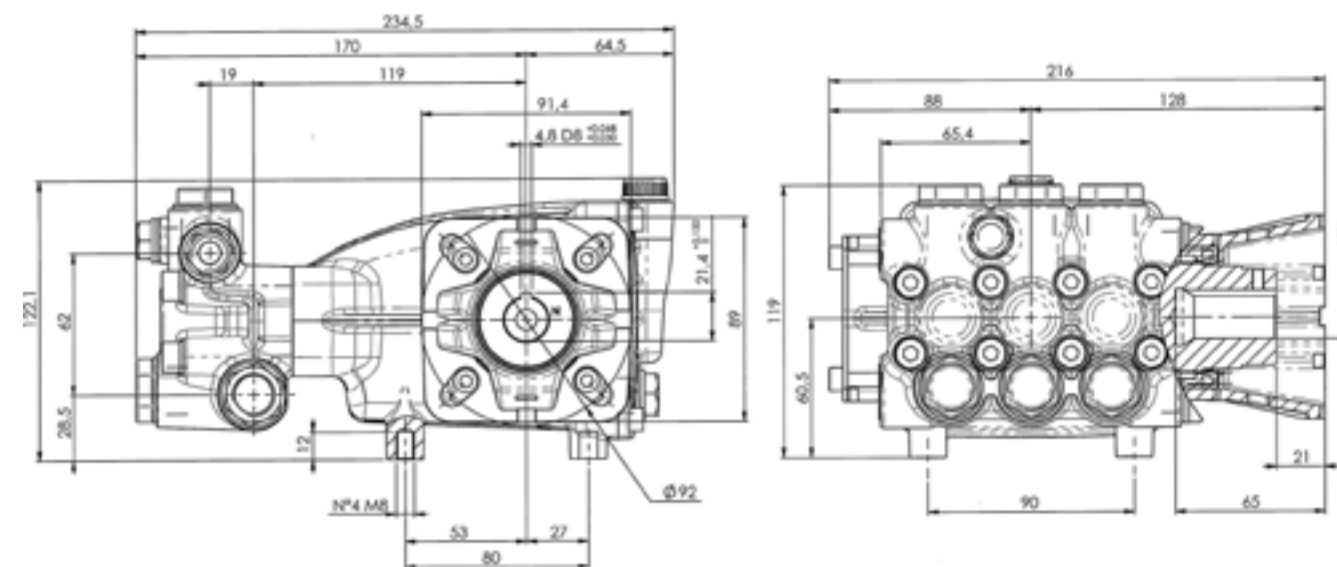
	TIPOLOGIA DI MOTORE ENGINE TYPE	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
	 MOTORE IDRAULICO HYDRAULIC MOTOR	8.00 - 14.00 lt/min 2.14 - 3.69 gpm	170 Bar 2465 Psi	65°C 149° F



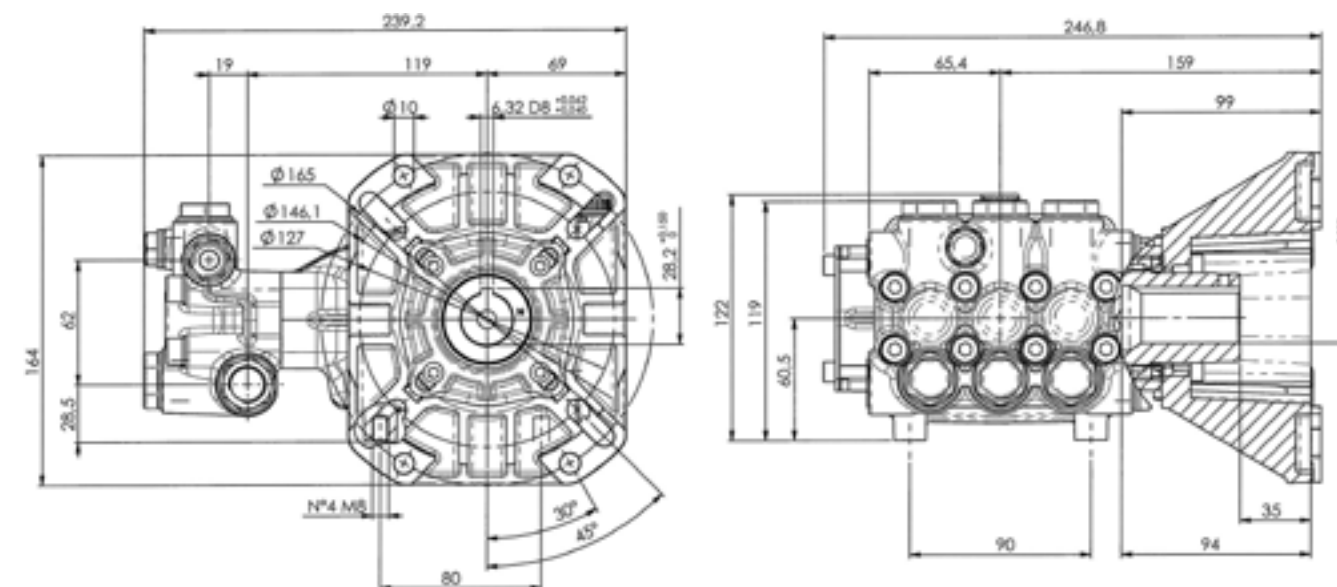
PM-EDM

	TIPOLOGIA DI MOTORE ENGINE TYPE		PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
	 MOTORE A BENZINA FUEL MOTOR	E3	8.50 - 13.00 lt/min 2.24 - 3.43 gpm	200 Bar 2900 Psi	65°C 149° F
		E4	8.50 - 15.00 lt/min 2.24 - 3.96 gpm	200 Bar 2900 Psi	

PM-EDM E3 | SAE J1609A



PM-EDM E4 | SAE J1609A



MMD SERIES



MMD



MMD-CW



TMM



MMX



MMD-HY



MMD-EDM E4



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F



PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI



INGRESSO
INLET

G 1/2"



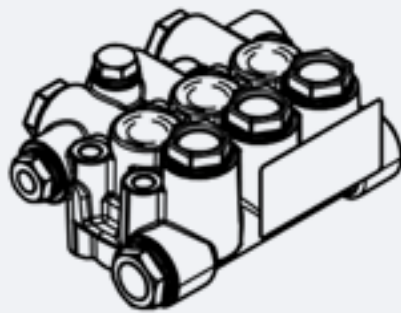
USCITA
OUTLET

G 3/8"



Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione / <i>Pressure</i>		Potenza / <i>Power</i>		Potenza / <i>Power</i>		Albero <i>Shaft</i> L: 40mm Ø 24
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz		
						HP	Kw	HP	Kw	
P3.020.003-2	MMD12250R	12.00 3.17	14.40 3.80	250.00	3625	7.79	5.82	9.35	6.98	Destra / <i>Right</i>
P3.020.002-2	MMD15250R	15.00 3.96	18.00 4.75	250.00	3625	9.74	7.27	11.69	8.72	Destra / <i>Right</i>
P3.020.004-2	MMD18250R	18.00 4.75	21.60 5.70	250.00	3625	11.69	8.72	14.03	10.47	Destra / <i>Right</i>
P3.020.001-2	MMD21250R	21.00 5.55	25.20 6.65	250.00	3625	13.64	10.18	16.36	12.21	Destra / <i>Right</i>
P3.020.008-2	MMD12250L	12.00 3.17	14.40 3.80	250.00	3625	7.79	5.82	9.35	6.98	Sinistra / <i>Left</i>
P3.020.006-2	MMD15250L	15.00 3.96	18.00 4.75	250.00	3625	9.74	7.27	11.69	8.72	Sinistra / <i>Left</i>
P3.020.009-2	MMD18250L	18.00 4.75	21.60 5.70	250.00	3625	11.69	8.72	14.03	10.47	Sinistra / <i>Left</i>
P3.020.007-2	MMD21250L	21.00 5.55	25.20 6.65	250.00	3625	13.64	10.18	16.36	12.21	Sinistra / <i>Left</i>
		1000 rpm	1200 rpm	Bar	Psi	HP	Kw	HP	Kw	
P3.020.005-2	MMD15250R	15.00 3.96	18.00 4.75	250.00	3625	9.74	7.27	11.69	8.72	Destra / <i>Right</i>
P3.020.010-2	MMD15250L	15.00 3.96	18.00 4.75	250.00	3625	9.74	7.27	11.69	8.72	Sinistra / <i>Left</i>

RICAMBI / SPARE PARTS



KIT - P9.040.017

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.025

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.013

PISTONE DIAMETRO 20
KIT CERAMIC PISTON - DIAMETER 20



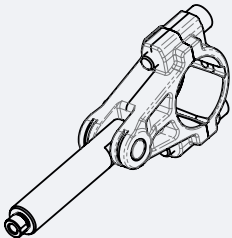
KIT - P9.001.005

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.026

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.004

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

MMD	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	12.00 » 21.00	2.24 » 5.54	1450	250	3625	0.7	0.18	10.4	22.92
	15.00	3.96	1000						
60Hz	14.40 » 25.20	2.69 » 4.75	1740						
	18.00	4.75	1200						



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI

INGRESSO
INLET

G 1/2"

USCITA
OUTLET

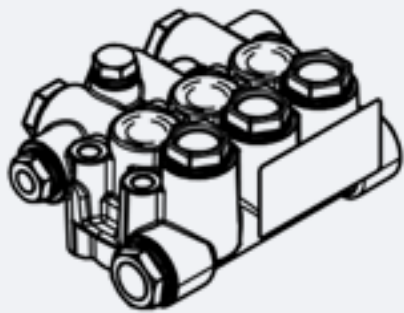
G 3/8"

TESTATA NICHELATA
NICKEL PLATED MANIFOLD



Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione / <i>Pressure</i>		Potenza / <i>Power</i>		Potenza / <i>Power</i>		Albero <i>Shaft</i> L: 40mm Ø 24
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz		
						HP	Kw	HP	Kw	
P3.022.001-2	MM12250 R	12.00 3,17	14,4 3,80	250.00	3625	7.79	5.82	9.35	6.98	Destra / <i>Right</i>
P3.022.002-2	MM15250 R	15.00 3,96	18 4,76	250.00	3625	9.74	7.27	11.69	8.72	Destra / <i>Right</i>
P3.022.003-2	MM18250 R	18.00 4,75	21,6 5,71	250.00	3625	11.6	8.72	14.03	10.47	Destra / <i>Right</i>
P3.022.004-2	MM21250 R	21.00 5,55	25,2 6,66	250.00	3625	13.64	10.18	16.36	12.21	Destra / <i>Right</i>
P3.022.005-2	MM12250 L	12.00 3,17	14,4 3,80	250.00	3625	7.79	5.82	9.35	6.98	Sinistra / <i>Left</i>
P3.022.006-2	MM15250 L	15.00 3,96	18 4,76	250.00	3625	9.74	7.27	11.69	8.72	Sinistra / <i>Left</i>
P3.022.007-2	MM18250 L	18.00 4,75	21,6 5,71	250.00	3625	11.6	8.72	14.03	10.47	Sinistra / <i>Left</i>
P3.022.008-2	MM21250 L	21.00 5,55	25,2 6,66	250.00	3625	13.64	10.18	16.36	12.21	Sinistra / <i>Left</i>
		1000 rpm	1200 rpm	Bar	Psi	HP	Kw	HP	Kw	
P3.022.009-2	MM15250 R	15.00 3,96	18.00 4,75	250.00	3625	9.74	7.27	11.69	8.72	Destra / <i>Right</i>
P3.022.010-2	MM15250 L	15.00 3,96	18.00 4,75	250.00	3625	9.74	7.27	11.69	8.72	Sinistra / <i>Left</i>

RICAMBI / SPARE PARTS



KIT - P9.040.018
TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001
ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.025
GUARNIZIONE PISTONE
KIT PLUNGER SEALS



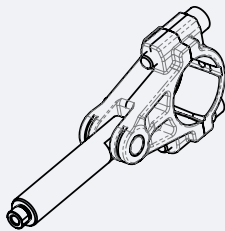
KIT - P9.004.013
PISTONE DIAMETRO 20
KIT CERAMIC PISTON DIAMETER 20



KIT - P9.001.005
VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.026
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.004
PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

MMD-CW CAR WASH	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm		Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	12.00 » 21.00	3.17 » 5.54	1450	250	3625	0.7	0.18	10.4	22.92
60Hz	14.40 » 25.20	3.80 » 6.65	1740						

MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

85°C
185° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

3 BAR
43.51 PSI

INGRESSO
INLET

G 1/2"

USCITA
OUTLET

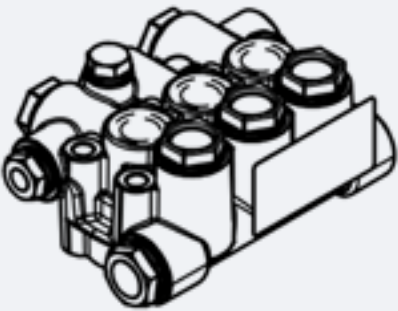
G 3/8"

TESTATA NICHELATA
NICKEL PLATED MANIFOLD



Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm				Pressione / <i>Pressure</i>		Potenza / <i>Power</i>		Potenza / <i>Power</i>		Albero <i>Shaft</i> L: 40mm Ø 24
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz				
						HP	Kw	HP	Kw			
P3.021.003-2	TMM12200R	12.00 3.17	14,4 3.80	200	2900.75	6.23	4.65	7.48	5.58	Destra / <i>Right</i>		
P3.021.002-2	TMM15200R	15.00 3.96	18 4.76	200	2900.75	7.79	5.82	9.35	6.98	Destra / <i>Right</i>		
P3.021.004-2	TMM18200R	18.00 4.75	21,6 5.71	200	2900.75	9.35	6.98	11.22	8.37	Destra / <i>Right</i>		
P3.021.001-2	TMM21200R	21.00 5.55	25,2 6.66	200	2900.75	10.91	8.14	13.09	9.77	Destra / <i>Right</i>		
P3.021.008-2	TMM12200L	12.00 3.17	14.40 3.80	200	2900.75	6.23	4.65	7.48	5.58	Sinistra / <i>Left</i>		
P3.021.006-2	TMM15200L	15.00 3.96	18.00 4.75	200	2900.75	7.79	5.82	9.35	6.98	Sinistra / <i>Left</i>		
P3.021.009-2	TMM18200L	18.00 4.75	21.60 5.70	200	2900.75	9.35	6.98	11.22	8.37	Sinistra / <i>Left</i>		
P3.021.007-2	TMM21200 L	21.00 5.55	25.20 6.65	200	2900.75	10.91	8.14	13.09	9.77	Sinistra / <i>Left</i>		
		1000 rpm	1200 rpm	Bar	Psi	HP	Kw	HP	Kw			
P3.021.005-2	TMM15200R	15.00 3.96	18.00 4.75	200	2900.75	7.79	5.82	9.35	6.98	Destra / <i>Right</i>		
P3.020.010-2	TMM15200L	15.00 3.96	18.00 4.75	200	2900.75	7.79	5.82	9.35	6.98	Sinistra / <i>Left</i>		

RICAMBI / SPARE PARTS



KIT - P9.040.019

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.017

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.013

PISTONE DIAMETRO 20
KIT CERAMIC PISTON DIAMETER 20



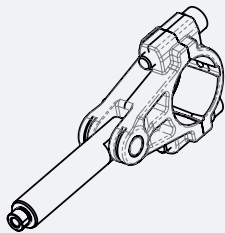
KIT - P9.001.005

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.027

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.004

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

TMM HIGH TEMPERATURE	 PORTATA FLOW RATE		 GIRI ROUNDS	 PRESSIONE MASSIMA MAX PRESSURE		 CAPACITÀ OLIO OIL CAPACITY		 PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
	50HZ	12.00 » 21.00	3.17 » 5.54	1450	200	2900.75	0.7	0.18	10.4
60Hz	14.40 » 25.20	3.80 » 6.65	1740						



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

85°C
185° F



PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

3 BAR
43.51 PSI



INGRESSO
INLET

G 1/2"



USCITA
OUTLET

G 3/8"



TESTATA INOX
STAINLESS STEEL MANIFOLD

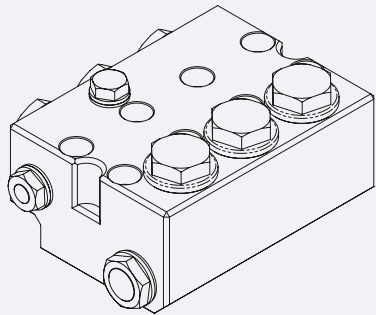

Acciaio AISI316
AISI316 Stainless Steel



MMX	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm		Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	12.00 » 21.00	3.17 » 5.54	1450	200	2900.75	0.7	0.18	10.4	22.92
60Hz	14.40 » 25.20	3.80 » 6.65	1740						

Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm				Pressione / <i>Pressure</i>		Potenza / <i>Power</i>		Potenza / <i>Power</i>		Albero <i>Shoft</i> L: 40mm Ø 24
		1450 rpm		1740 rpm		Bar	Psi	50Hz		60Hz		
								HP	Kw	HP	Kw	
P3.023.003	MMX12200 R	12.00	3,17	14,4	3,80	200.00	2900.75	6.23	4.64	7.48	5.57	Destra / <i>Right</i>
P3.023.002	MMX15200 R	15.00	3,96	18	4,76	200.00	2900.75	7.79	5.80	9.35	6.97	Destra / <i>Right</i>
P3.023.004	MMX18200 R	18.00	4,75	21,6	5,71	200.00	2900.75	9.35	6.97	11.22	8.36	Destra / <i>Right</i>
P3.023.001	MMX21200 R	21.00	5,55	25,2	6,66	200.00	2900.75	10.91	8.13	13.09	9.75	Destra / <i>Right</i>
P3.023.008	MMX12200 L	12.00	3,17	14.40	3,80	200.00	2900.75	6.23	4.64	7.48	5.57	Sinistra / <i>Left</i>
P3.023.006	MMX15200 L	15.00	3,96	18.00	4,75	200.00	2900.75	7.79	5.80	9.35	6.97	Sinistra / <i>Left</i>
P3.023.009	MMX18200 L	18.00	4,75	21.60	5,70	200.00	2900.75	9.35	6.97	11.22	8.36	Sinistra / <i>Left</i>
P3.023.007	MMX21200 L	21.00	5,55	25.20	6,65	200.00	2900.75	10.9	8.12	13.09	9.75	Sinistra / <i>Left</i>
		1000 rpm		1200 rpm		Bar	Psi	HP	Kw	HP	Kw	
P3.023.005	MMX15200 R	15.00	3,96	18.00	4,75	200.00	2900.75	7.79	5.80	9.35	6.97	Destra / <i>Right</i>
P3.023.010	MMX15200L	15.00	3,96	18.00	4,75	200.00	2900.75	7.79	5.80	9.35	6.97	Sinistra / <i>Left</i>

RICAMBI / SPARE PARTS



KIT - P9.040.032

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



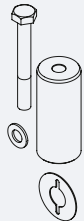
KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.017

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.015

PISTONE DIAMETRO 20
KIT CERAMIC PISTON DIAMETER 20



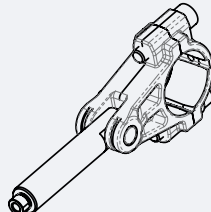
KIT - P9.001.011

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.045

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.004

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI

INGRESSO
INLET

G 1/2"

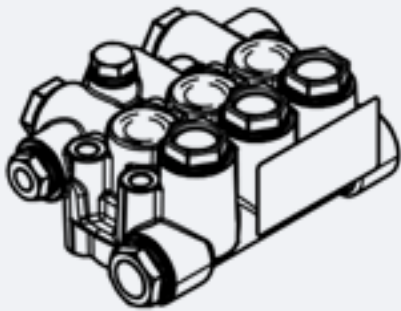
USCITA
OUTLET

G 3/8"



Codice <i>Code</i>	Modello <i>Model</i>	Portata / Flow Rate lt/min - gpm		Pressione / Pressure		Potenza / Power		Albero / Shaft
		1450 rpm		Bar	Psi	HP	Kw	SAE A Cilindrico Ø 15.9mm / 0.626"
P3.020.201	MMD12250R-HY	12.00	3.17	250.00	3625	9.35	6.98	Destra / Right
P3.020.202	MMD15250R-HY	15.00	3.96	250.00	3625	11.69	8.72	Destra / Right
P3.020.203	MMD18250R-HY	18.00	4.75	250.00	3625	14.03	10.47	Destra / Right
P3.020.204	MMD21250R-HY	21.00	5.55	250.00	3625	16.36	12.21	Destra / Right
P3.020.205	MMD12250L-HY	12.00	3.17	250.00	3625	9.35	6.98	Sinistra / Left
P3.020.206	MMD15250L-HY	15.00	3.96	250.00	3625	11.69	8.72	Sinistra / Left
P3.020.207	MMD18250L-HY	18.00	4.75	250.00	3625	14.03	10.47	Sinistra / Left
P3.020.208	MMD21250L-HY	21.00	5.55	250.00	3625	16.36	12.21	Sinistra / Left

RICAMBI / SPARE PARTS



KIT - P9.040.017

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.025

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.013

PISTONE DIAMETRO 20
KIT CERAMIC PISTON - DIAMETER 20



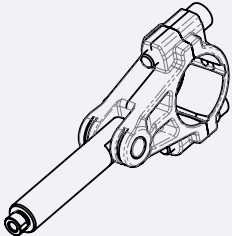
KIT - P9.001.005

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.026

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.004

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

MMD-HY	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
	12.00 » 21.00	3.17 » 5.55	1450	250	3625	0.7	0.18	11.0	24.22

MMD-EDM

MOTORE A BENZINA / GASOLINE ENGINE



MMD-EDM

MOTORE A BENZINA / GASOLINE ENGINE

MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI

INGRESSO
INLET

G 1/2"

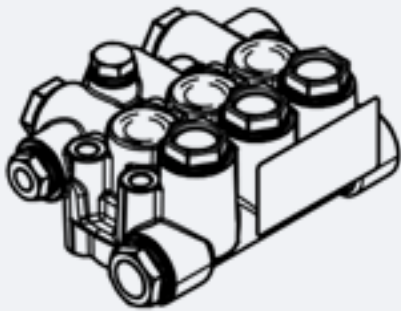
USCITA
OUTLET

G 3/8"



Codice <i>Code</i>	Modello <i>Model</i>	Portata / Flow Rate lt/min - gpm		Pressione / Pressure		Potenza / Power		Albero / Shaft SAE J1609A E4 Ø 25.4mm / 1"
		3400 rpm		Bar	Psi	HP	Kw	
P3.020.301	MMD13200R-EDM-E4	13.50	3.56	200.00	2900	7.01	5.23	Destra / Right
P3.020.302	MMD16200R-EDM-E4	16.00	4.22	200.00	2900	8.31	6.20	Destra / Right
P3.020.303	MMD18200R-EDM-E4	18.30	4.83	200.00	2900	9.51	7.09	Destra / Right
P3.020.304	MMD21200R-EDM-E4	20.90	5.52	200.00	2900	10.86	8.10	Destra / Right
P3.020.305	MMD13200L-EDM-E4	13.50	3.56	200.00	2900	7.01	5.23	Sinistra / Left
P3.020.306	MMD16200L-EDM-E4	16.00	4.22	200.00	2900	8.31	6.20	Sinistra / Left
P3.020.307	MMD18200L-EDM-E4	18.30	4.83	200.00	2900	9.51	7.09	Sinistra / Left
P3.020.308	MMD21200L-EDM-E4	20.90	5.52	200.00	2900	10.86	8.10	Sinistra / Left

RICAMBI / SPARE PARTS



KIT - P9.040.034

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



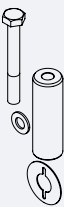
KIT - P9.039.001

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP MM PM



KIT - P9.003.049

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.020

PISTONE
KIT CERAMIC PISTON



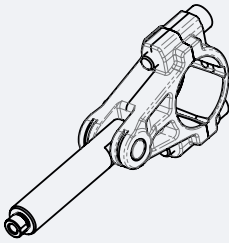
KIT - P9.001.005

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.048

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.004

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

MMD-EDM	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
	13.50 » 20.90	3.56 » 5.52	3400	200	2900	0.7	0.18	8.8	19.36

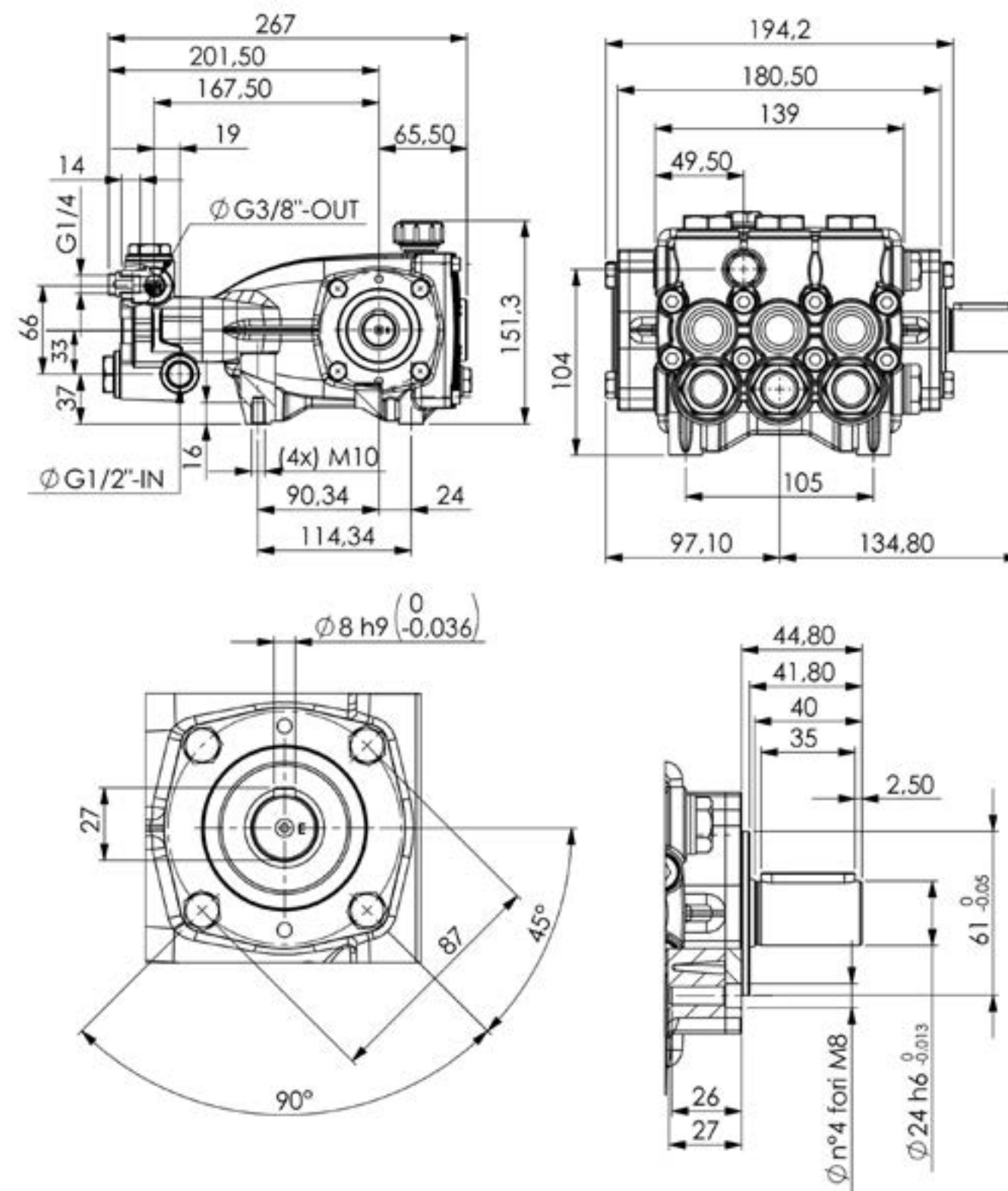


MMD					
	50 Hz	GIRI RPM	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
		1450	12.00 - 21.00 lt/min 3.17 - 5.55 gpm	250 Bar 3625 Psi	65°C 149° F
		1000	15.00lt/min - 3.96 gpm		
	60Hz	1740	14.40 - 25.20 lt/min 3.80 - 6.66 gpm		
		1200	18.00lt/min - 4.75 gpm		

MMD-CW					
Testata nichelata / Nickel-plated manifold					
	50 Hz	GIRI RPM	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
		1450	12.00 - 21.00 lt/min 3.17 - 5.55 gpm	250 Bar 3625 Psi	65°C 149° F
		1000	15.00lt/min - 3.96 gpm		
	60Hz	1740	14.40 - 25.20 lt/min 3.80 - 6.66 gpm		
		1200	18.00lt/min - 4.75 gpm		

TMM					
Testata nichelata / Nickel-plated manifold					
	50 Hz	GIRI RPM	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
		1450	12.00 - 21.00 lt/min 3.17 - 5.55 gpm	200 Bar 2900 Psi	85°C 185° F
		1000	15.00lt/min - 3.96 gpm		
	60Hz	1740	14.40 - 25.20 lt/min 3.80 - 6.66 gpm		
		1200	18.00lt/min - 4.75 gpm		

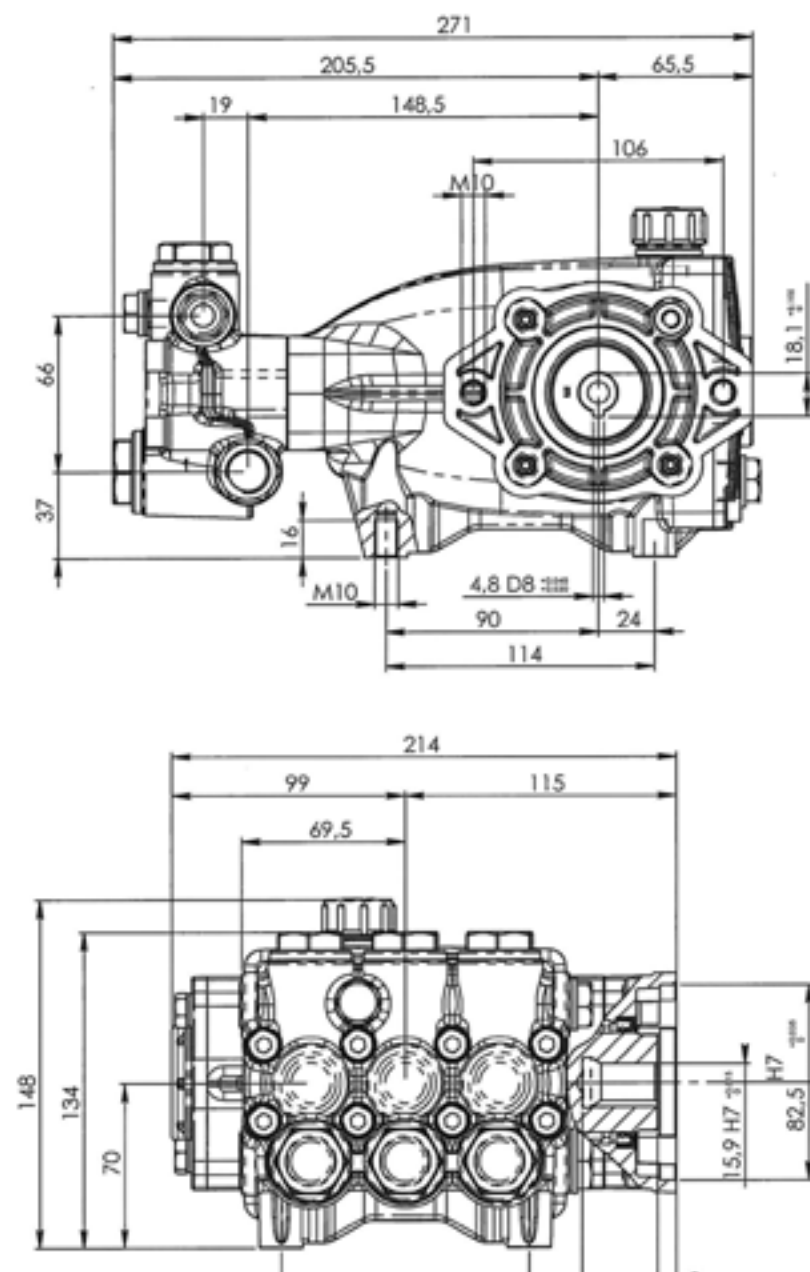
MMX					
Testata acciaio INOX / Stainless steel manifold					
	50 Hz	GIRI RPM	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
		1450	12.00 - 21.00 lt/min 3.17 - 5.55 gpm	200 Bar 2900 Psi	85°C 185° F
		1000	15.00lt/min - 3.96 gpm		
	60Hz	1740	14.40 - 25.20 lt/min 3.80 - 6.66 gpm		
		1200	18.00lt/min - 4.75 gpm		





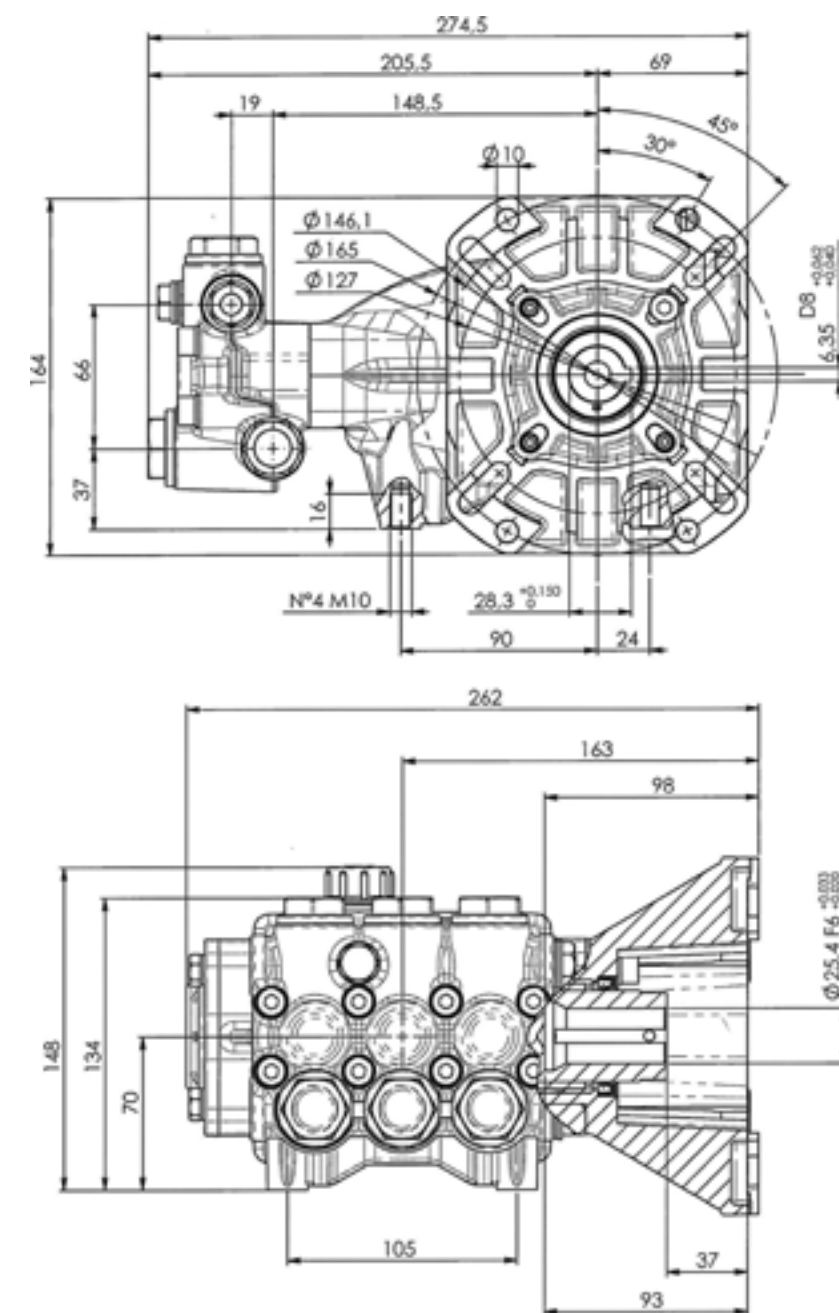
MMD-HY | SAE A

	TIPOLOGIA DI MOTORE ENGINE TYPE	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
	 MOTORE IDRAULICO HYDRAULIC MOTOR	12.00 - 21.00 lt/min 3.15 - 5.55 gpm	250 Bar 3625 Psi	65°C 149° F



MMD-EDM E4 | SAE J1609A

	TIPOLOGIA DI MOTORE ENGINE TYPE	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
	 MOTORE A BENZINA FUEL MOTOR	13.50 - 20.90 lt/min 3.65 - 5.55 gpm	200 Bar 2900 Psi	65°C 149° F



GM SERIES



GM



GM-CW



TGM



GMX



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F



PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

< 50 lt	> 50 lt
0.2 BAR	1 BAR
2.9 PSI	14.5 PSI



INGRESSO
INLET

G 3/4"



USCITA
OUTLET

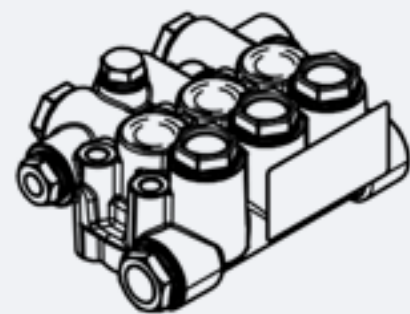
G 1/2"



GM	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	18.00 » 63.00	4.75 » 16.64	1450	150	2175.57	1.2	0.31	19	41.88
60Hz	21.60 » 75.60	5.70 » 19.97	1740	300	4351.13				

Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione <i>Pressure</i>		Potenza <i>Power</i>		Potenza / <i>Power</i>		Albero <i>Shaft</i> Ø: 24	Ø Pistone Ø Plunger
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz			
						HP	Kw	HP	Kw		
P3.030.001	GM18300R	18.00 4,76	21.60 5,71	300.00	4351.13	14.03	10.45	16.83	12.54	L: 45mm Destra / <i>Right</i>	20
P3.030.002	GM22300R	22.00 5,81	26.40 6,97	300.00	4351.13	17.14	12.77	20.57	15.33	L: 45mm Destra / <i>Right</i>	20
P3.030.003	GM25300R	25.00 6,60	30.00 7,93	300.00	4351.13	19.48	14.51	23.38	17.42	L: 45mm Destra / <i>Right</i>	20
P3.030.005	GM27300R	27.00 7,13	32.40 8,56	300.00	4351.13	21.04	15.67	25.25	18.81	L: 55mm Destra / <i>Right</i>	20
P3.030.006	GM30250R	30.00 7,93	36.00 9,51	250.00	3625.94	19.48	14.51	23.38	17.42	L: 45mm Destra / <i>Right</i>	22
P3.030.008	GM33250R	33.00 8,72	39.60 10,46	250.00	3625.94	21.43	15.96	25.71	19.16	L: 55mm Destra / <i>Right</i>	22
P3.030.009	GM35170R	35.00 9,25	42.00 11,10	170.00	2465.64	15.45	11.51	18.55	13.82	L: 45mm Destra / <i>Right</i>	25
P3.030.010	GM40170R	40.00 10,57	48.00 12,68	170.00	2465.64	17.66	13.16	21.19	15.79	L: 45mm Destra / <i>Right</i>	25
P3.030.012	GM43170R	43.00 11,36	51.60 13,63	170.00	2465.64	18.99	14.15	22.78	16.97	L: 55mm Destra / <i>Right</i>	25
P3.030.013	GM50150R	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.51	23.38	17.42	L: 45mm Destra / <i>Right</i>	28
P3.030.014	GM54150R	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.67	25.25	18.81	L: 55mm Destra / <i>Right</i>	28
P3.030.034	GM63150R	63.00 16,64	75.60 19,97	150.00	2175.57	24.54	18.30	29.45	21.96	L: 55mm Destra / <i>Right</i>	28
P3.030.015	GM18300L	18.00 4,76	21.60 5,71	300.00	4351.13	14.03	10.45	16.83	12.54	L: 45mm Sinistra / <i>Left</i>	20
P3.030.016	GM22300L	22.00 5,81	26.40 6,97	300.00	4351.13	17.14	12.77	20.57	15.33	L: 45mm Sinistra / <i>Left</i>	20
P3.030.017	GM25300L	25.00 6,60	30.00 7,93	300.00	4351.13	19.48	14.51	23.38	17.42	L: 45mm Sinistra / <i>Left</i>	20
P3.030.019	GM27300L	27.00 7,13	32.40 8,56	300.00	4351.13	21.04	15.67	25.25	18.81	L: 55mm Sinistra / <i>Left</i>	20
P3.030.020	GM30250L	30.00 7,93	36.00 9,51	250.00	3625.94	19.48	14.51	23.38	17.42	L: 45mm Sinistra / <i>Left</i>	22
P3.030.022	GM33250L	33.00 8,72	39.60 10,46	250.00	3625.94	21.43	15.96	25.71	19.16	L: 55mm Sinistra / <i>Left</i>	22
P3.030.023	GM35170L	35.00 9,25	42.00 11,10	170.00	2465.64	15.45	11.51	18.55	13.82	L: 45mm Sinistra / <i>Left</i>	25
P3.030.024	GM40170L	40.00 10,57	48.00 12,68	170.00	2465.64	17.66	13.16	21.19	15.79	L: 45mm Sinistra / <i>Left</i>	25
P3.030.026	GM43170L	43.00 11,36	51.60 13,63	170.00	2465.64	18.99	14.15	22.78	16.97	L: 55mm Sinistra / <i>Left</i>	25
P3.030.027	GM50150L	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.51	23.38	17.42	L: 45mm Sinistra / <i>Left</i>	28
P3.030.028	GM54150L	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.67	25.25	18.81	L: 55mm Sinistra / <i>Left</i>	28
P3.030.035	GM63150L	63.00 16,64	75.60 19,97	150.00	2175.57	24.54	18.30	29.45	21.96	L: 55mm Sinistra / <i>Left</i>	28

RICAMBI GM Ø20 / SPARE PARTS GM Ø20



KIT - P9.040.009

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEALS



KIT - P9.003.005

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.009

PISTONE DIAMETRO 20
KIT CERAMIC PISTON DIAMETER 20



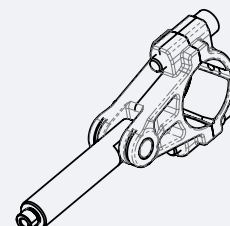
KIT - P9.001.007

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.019

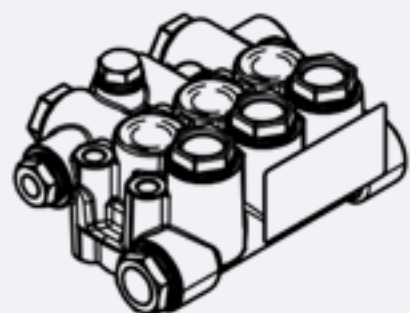
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GM Ø22 / SPARE PARTS GM Ø22



KIT - P9.040.010

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEALS



KIT - P9.003.007

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.010

PISTONE DIAMETRO 22
KIT CERAMIC PISTON DIAMETER 22



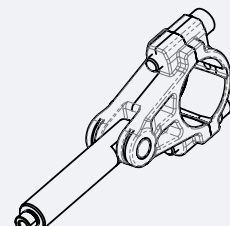
KIT - P9.001.007

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.020

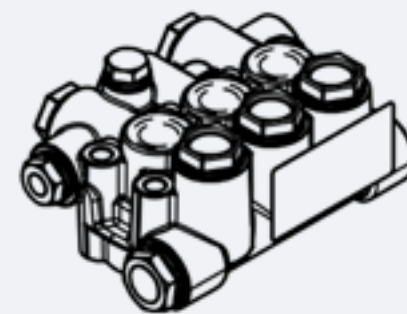
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GM Ø25 / SPARE PARTS GM Ø25



KIT - P9.040.011

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEALS



KIT - P9.003.009

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.011

PISTONE DIAMETRO 25
KIT CERAMIC PISTON DIAMETER 25



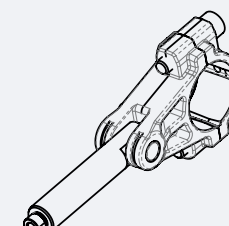
KIT - P9.001.008

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.021

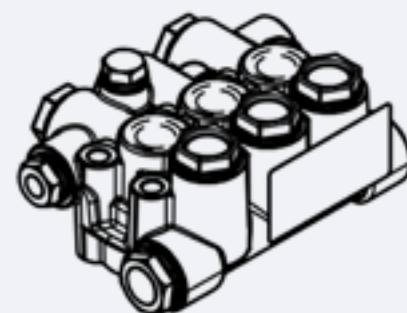
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GM Ø28 / SPARE PARTS GM Ø28



KIT - P9.040.012

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEALS



KIT - P9.003.011

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.012

PISTONE DIAMETRO 28
KIT CERAMIC PISTON DIAMETER 28



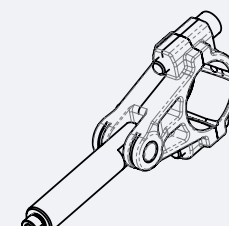
KIT - P9.001.008

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.022

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

< 50 lt	> 50 lt
0.2 BAR	1 BAR
2.9 PSI	14.5 PSI

INGRESSO
INLET

G 3/4"

USCITA
OUTLET

G 1/2"

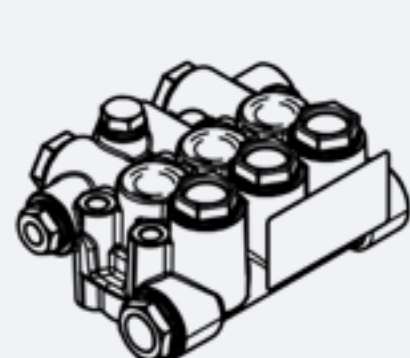
TESTATA NICHELATA
NICKEL PLATED MANIFOLD



GM-CW CAR WASH	 PORTATA FLOW RATE		 GIRI ROUNDS	 PRESSIONE PRESSURE		 CAPACITÀ OLIO OIL CAPACITY		 PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
	50HZ	18.00 » 63.00	4.75 » 16.64	1450	150 ≡ 300	2175.57 ≡ 4351,13	1.2	0.31	19
60Hz	21.60 » 75.60	5.70 » 19.97	1740						

Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione <i>Pressure</i>		Potenza <i>Power</i>		Potenza <i>Power</i>		Albero <i>Shaft</i>	Ø Pistone Ø Plunger
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz			
						HP	Kw	HP	Kw		
P3.032.001	GM18300R	18.00 4,76	21.60 5,71	300.00	4351.13	14.03	10.45	16.83	12.54	45mm Destra / <i>Right</i>	20
P3.032.002	GM22300R	22.00 5,81	26.40 6,97	300.00	4351.13	17.14	12.77	20.57	15.33	45mm Destra / <i>Right</i>	20
P3.032.003	GM25300R	25.00 6,60	30.00 7,93	300.00	4351.13	19.48	14.51	23.38	17.42	45mm Destra / <i>Right</i>	20
P3.032.005	GM27300R	27.00 7,13	32.40 8,56	300.00	4351.13	21.04	15.67	25.25	18.81	55mm Destra / <i>Right</i>	20
P3.032.006	GM30250R	30.00 7,93	36.00 9,51	250.00	3625.94	19.48	14.51	23.38	17.42	45mm Destra / <i>Right</i>	22
P3.032.008	GM33250R	33.00 8,72	39.60 10,46	250.00	3625.94	21.43	15.96	25.71	19.16	55mm Destra / <i>Right</i>	22
P3.032.009	GM35170R	35.00 9,25	42.00 11,10	170.00	2465.64	15.45	11.51	18.55	13.82	45mm Destra / <i>Right</i>	25
P3.032.010	GM40170R	40.00 10,57	48.00 12,68	170.00	2465.64	17.66	13.16	21.19	15.79	45mm Destra / <i>Right</i>	25
P3.032.012	GM43170R	43.00 11,36	51.60 13,63	170.00	2465.64	18.99	14.15	22.78	16.97	55mm Destra / <i>Right</i>	25
P3.032.013	GM50150R	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.51	23.38	17.42	45mm Destra / <i>Right</i>	28
P3.032.014	GM54150R	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.67	25.25	18.81	55mm Destra / <i>Right</i>	28
P3.032.034	GM63150R	63.00 16,64	75.60 19,97	150.00	2175.57	24.54	18.30	29.45	21.96	55mm Destra / <i>Right</i>	28
P3.032.015	GM18300L	18.00 4,76	21.60 5,71	300.00	4351.13	14.03	10.45	16.83	12.54	45mm Sinistra / <i>Left</i>	20
P3.032.016	GM22300L	22.00 5,81	26.40 6,97	300.00	4351.13	17.14	12.77	20.57	15.33	45mm Sinistra / <i>Left</i>	20
P3.032.017	GM25300L	25.00 6,60	30.00 7,93	300.00	4351.13	19.48	14.51	23.38	17.42	45mm Sinistra / <i>Left</i>	20
P3.032.019	GM27300L	27.00 7,13	32.40 8,56	300.00	4351.13	21.04	15.67	25.25	18.81	55mm Sinistra / <i>Left</i>	20
P3.032.020	GM30250L	30.00 7,93	36.00 9,51	250.00	3625.94	19.48	14.51	23.38	17.42	45mm Sinistra / <i>Left</i>	22
P3.032.022	GM33250L	33.00 8,72	39.60 10,46	250.00	3625.94	21.43	15.96	25.71	19.16	55mm Sinistra / <i>Left</i>	22
P3.032.023	GM35170L	35.00 9,25	42.00 11,10	170.00	2465.64	15.45	11.51	18.55	13.82	45mm Sinistra / <i>Left</i>	25
P3.032.024	GM40170L	40.00 10,57	48.00 12,68	170.00	2465.64	17.66	13.16	21.19	15.79	45mm Sinistra / <i>Left</i>	25
P3.032.026	GM43170L	43.00 11,36	51.60 13,63	170.00	2465.64	18.99	14.15	22.78	16.97	55mm Sinistra / <i>Left</i>	25
P3.032.027	GM50150L	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.51	23.38	17.42	45mm Sinistra / <i>Left</i>	28
P3.032.028	GM54150L	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.67	25.25	18.81	55mm Sinistra / <i>Left</i>	28
P3.032.035	GM63150L	63.00 16,64	75.60 19,97	150.00	2175.57	24.54	18.30	29.45	21.96	55mm Sinistra / <i>Left</i>	28

RICAMBI GM Ø20 / SPARE PARTS GM Ø20



KIT - P9.040.024

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.005

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.009

PISTONE DIAMETRO 20
KIT CERAMIC PISTON DIAMETER 20



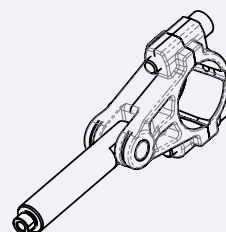
KIT - P9.001.007

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.019

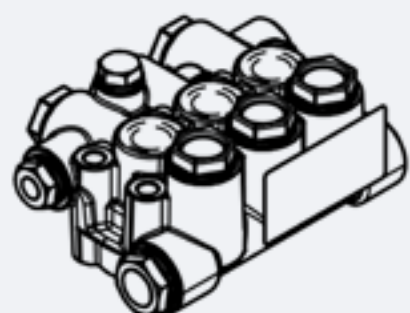
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GM Ø22 / SPARE PARTS GM Ø22



KIT - P9.040.025

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.007

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.010

PISTONE DIAMETRO 22
KIT CERAMIC PISTON DIAMETER 22



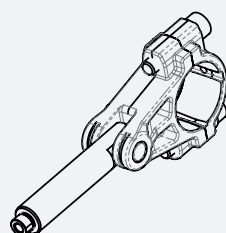
KIT - P9.001.007

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.020

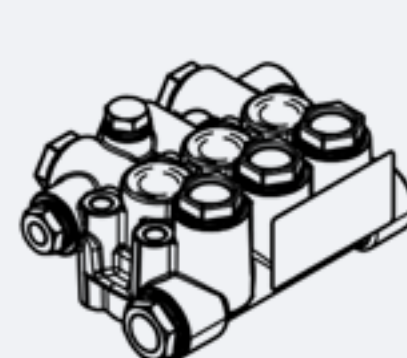
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GM Ø25 / SPARE PARTS GM Ø25



KIT - P9.040.026

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.009

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.011

PISTONE DIAMETRO 25
KIT CERAMIC PISTON DIAMETER 25



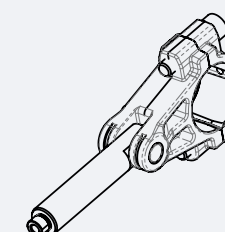
KIT - P9.001.008

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.021

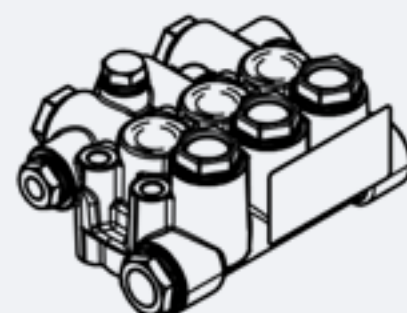
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GM Ø28 / SPARE PARTS GM Ø28



KIT - P9.040.027

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.011

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.012

PISTONE DIAMETRO 28
KIT CERAMIC PISTON DIAMETER 28



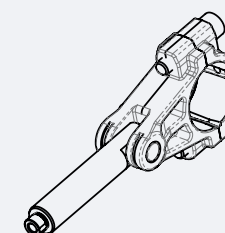
KIT - P9.001.008

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.022

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD





MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

85°C
185° F



PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

3 BAR
43.51 PSI



INGRESSO
INLET

G 3/4"



USCITA
OUTLET

G 1/2"



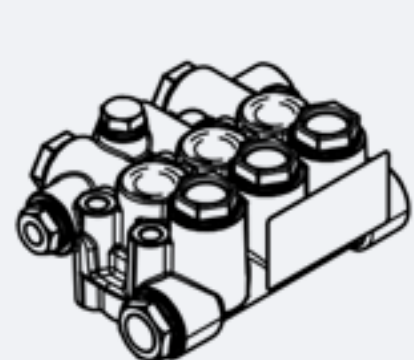
TESTATA NICHELATA
NICKEL PLATED MANIFOLD



TGM HIGH TEMPERATURE	PORTATA FLOW RATE		GIRI ROUNDS		PRESSIONE PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm	Rpm		Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	18.00 » 63.00	4.75 » 16.64	1450		150	2175	1.2	0.31	19	41.88
60Hz	21.60 » 75.60	5.70 » 19.97	1740		200	2900				

Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione <i>Pressure</i>		Potenza <i>Power</i>		Potenza <i>Power</i>		Albero <i>Shaft</i>	Ø Pistone Ø Plunger
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz			
						HP	Kw	HP	Kw		
P3.034.001	TGM18200R	18.00 4,76	21.60 5,71	200.00	2900	9.35	6.98	11.2	8.37	45mm Destra / <i>Right</i>	20
P3.034.002	TGM22200R	22.00 5,81	26.40 6,97	200.00	2900	11.43	8.53	13.71	10.23	45mm Destra / <i>Right</i>	20
P3.034.003	TGM25200R	25.00 6,60	30.00 7,93	200.00	2900	12.99	9.69	15.58	11.63	45mm Destra / <i>Right</i>	20
P3.034.005	TGM27200R	27.00 7,13	32.40 8,56	200.00	2900	14.03	10.38	16.83	12.56	55mm Destra / <i>Right</i>	20
P3.034.006	TGM30200R	30.00 7,93	36.00 9,51	200.00	2900	15.58	11.63	18.70	13.96	45mm Destra / <i>Right</i>	22
P3.034.008	TGM33200R	33.00 8,72	39.60 10,46	200.00	2900	17.14	12.79	20.57	15.35	55mm Destra / <i>Right</i>	22
P3.034.009	TGM35170R	35.00 9,25	42.00 11,10	170.00	2465	15.45	11.44	18.55	13.84	45mm Destra / <i>Right</i>	25
P3.034.010	TGM40170R	40.00 10,57	48.00 12,68	170.00	2465	17.66	13.18	21.19	15.82	45mm Destra / <i>Right</i>	25
P3.034.012	TGM43170R	43.00 11,36	51.60 13,63	170.00	2465	18.99	14.17	22.78	17.00	55mm Destra / <i>Right</i>	25
P3.034.013	TGM50150R	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.53	23.38	17.45	45mm Destra / <i>Right</i>	28
P3.034.014	TGM54150R	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.70	25.25	18.84	55mm Destra / <i>Right</i>	28
P3.034.034	TGM63150R	63.00 16,64	75.60 19,97	150.00	2175.57	24.55	18.32	29.45	21.82	55mm Destra / <i>Right</i>	28
P3.034.015	TGM18200 L	18.00 4,76	21.60 5,71	200.00	2900	9.35	6.98	11.22	8.37	45mm Sinistra / <i>Left</i>	20
P3.034.016	TGM22200 L	22.00 5,81	26.40 6,97	200.00	2900	11.43	8.53	13.71	10.23	45mm Sinistra / <i>Left</i>	20
P3.034.017	TGM25200 L	25.00 6,61	30.00 7,93	200.00	2900	12.99	9.69	15.58	11.63	45mm Sinistra / <i>Left</i>	20
P3.034.019	TGM27200 L	27.00 7,13	32.40 8,56	200.00	2900	14.03	10.38	16.83	12.56	55mm Sinistra / <i>Left</i>	20
P3.034.020	TGM30200 L	30.00 7,93	36.00 9,51	200.00	2900	15.58	11.63	18.70	13.96	45mm Sinistra / <i>Left</i>	22
P3.034.022	TGM33200 L	33.00 8,72	39.60 10,46	200.00	2900	17.14	12.79	20.57	15.35	55mm Sinistra / <i>Left</i>	22
P3.034.023	TGM35170 L	35.00 9,25	42.00 11,10	170.00	2465	15.45	11.44	18.55	13.84	45mm Sinistra / <i>Left</i>	25
P3.034.024	TGM40170 L	40.00 10,57	48.00 12,68	170.00	2465	17.66	13.18	21.19	15.82	45mm Sinistra / <i>Left</i>	25
P3.034.026	TGM43170 L	43.00 11,36	51.60 13,63	170.00	2465	18.99	14.17	22.78	17.00	55mm Sinistra / <i>Left</i>	25
P3.034.027	TGM50150 L	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.54	23.38	17.45	45mm Sinistra / <i>Left</i>	28
P3.034.028	TGM54150 L	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.70	25.25	18.84	55mm Sinistra / <i>Left</i>	28
P3.034.035	TGM63150L	63.00 16,64	75.60 19,97	150.00	2175.57	24.55	18.32	29.45	21.98	55mm Sinistra / <i>Left</i>	28

RICAMBI TGM Ø20 / SPARE PARTS TGM Ø20



KIT - P9.040.020

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



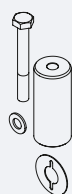
KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.032

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.009

PISTONE DIAMETRO 20
KIT CERAMIC PISTON DIAMETER 20



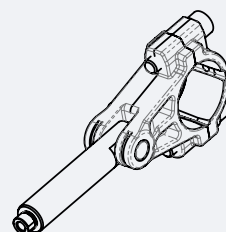
KIT - P9.001.007

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.029

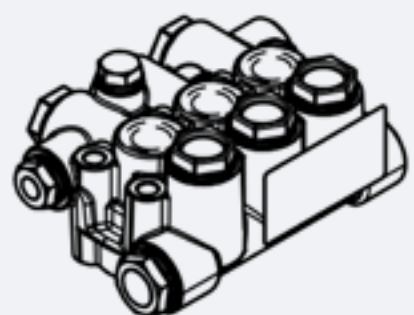
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI TGM Ø22 / SPARE PARTS TGM Ø22



KIT - P9.040.021

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



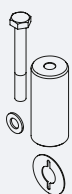
KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.033

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.010

PISTONE DIAMETRO 22
KIT CERAMIC PISTON DIAMETER 22



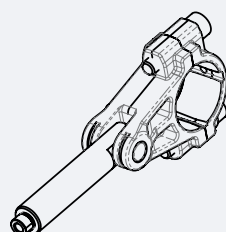
KIT - P9.001.007

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.024

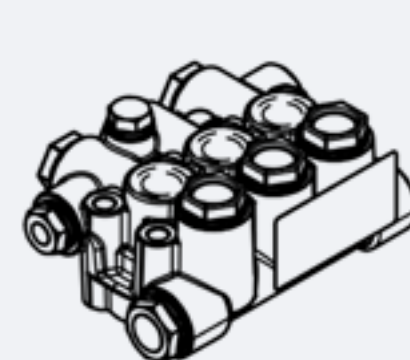
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI TGM Ø25 / SPARE PARTS TGM Ø25



KIT - P9.040.022

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.034

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.011

PISTONE DIAMETRO 25
KIT CERAMIC PISTON DIAMETER 25



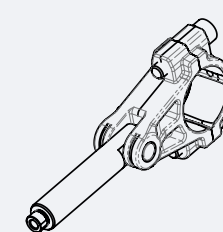
KIT - P9.001.008

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.030

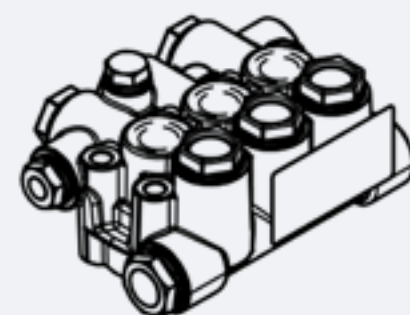
GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI TGM Ø28 / SPARE PARTS TGM Ø28



KIT - P9.040.023

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP



KIT - P9.003.035

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.012

PISTONE DIAMETRO 28
KIT CERAMIC PISTON DIAMETER 28



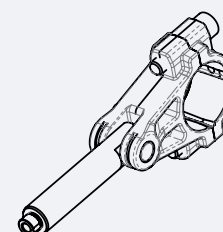
KIT - P9.001.008

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.031

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD



MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

85°C
185° F



PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

3 BAR
43.51 PSI



INGRESSO
INLET

G 3/4"



USCITA
OUTLET

G 1/2"



TESTATA INOX
STAINLESS STEEL MANIFOLD



GMX	 PORTATA FLOW RATE		 GIRI ROUNDS	 PRESSIONE MASSIMA MAX PRESSURE		 CAPACITÀ OLIO OIL CAPACITY		 PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	18.00 » 63.00	4.75 » 16.64	1450	150 ≡ 200	2175.57 ≡ 2900	1.2	0.31	19	41.88
60Hz	21.60 » 75.60	5.70 » 19.97	1740						

Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione <i>Pressure</i>		Potenza <i>Power</i>		Potenza <i>Power</i>		Albero <i>Shaft</i>	Ø Pistone Ø Plunger
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz			
						HP	Kw	HP	Kw		
P3.033.001	GMX18200R	18.00 4,76	21.60 5,71	200.00	2900	9.35	6.98	11.2	8.37	45mm Destra / <i>Right</i>	20
P3.033.002	GMX22200R	22.00 5,81	26.40 6,97	200.00	2900	11.43	8.53	13.71	10.23	45mm Destra / <i>Right</i>	20
P3.033.003	GMX25200R	25.00 6,60	30.00 7,93	200.00	2900	12.99	9.69	15.58	11.63	45mm Destra / <i>Right</i>	20
P3.033.005	GMX27200R	27.00 7,13	32.40 8,56	200.00	2900	14.03	10.47	16.83	12.56	55mm Destra / <i>Right</i>	20
P3.033.006	GMX30200R	30.00 7,93	36.00 9,51	200.00	2900	15.58	11.63	18.70	13.96	45mm Destra / <i>Right</i>	22
P3.033.008	GMX33200R	33.00 8,72	39.60 10,46	200.00	2900	17.14	12.79	20.57	15.35	45mm Destra / <i>Right</i>	22
P3.033.009	GMX35170R	35.00 9,25	42.00 11,10	170.00	2465.64	15.45	11.51	18.55	13.82	45mm Destra / <i>Right</i>	25
P3.033.010	GMX40170R	40.00 10,57	48.00 12,68	170.00	2465.64	17.66	13.16	21.19	15.79	45mm Destra / <i>Right</i>	25
P3.033.012	GMX43170R	43.00 11,36	51.60 13,63	170.00	2465.64	18.99	14.15	22.78	16.97	55mm Destra / <i>Right</i>	25
P3.033.013	GMX50150R	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.51	23.38	17.42	45mm Destra / <i>Right</i>	28
P3.033.014	GMX54150R	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.67	25.25	18.81	55mm Destra / <i>Right</i>	28
P3.033.034	GMX63150R	63.00 16,64	75.60 19,97	150.00	2175.57	24.54	18.30	29.45	21.96	55mm Destra / <i>Right</i>	28
P3.033.015	GMX18200L	18.00 4,76	21.60 5,71	200.00	2900	9.35	6.98	11.22	8.37	45mm Sinistra / <i>Left</i>	20
P3.033.016	GMX22200L	22.00 5,81	26.40 6,97	200.00	2900	11.43	8.53	13.71	10.23	45mm Sinistra / <i>Left</i>	20
P3.033.017	GMX25200L	25.00 6,60	30.00 7,93	200.00	2900	12.99	9.69	15.58	11.63	45mm Sinistra / <i>Left</i>	20
P3.033.019	GMX27200L	27.00 7,13	32.40 8,56	200.00	2900	14.03	10.47	16.83	12.56	55mm Sinistra / <i>Left</i>	20
P3.033.020	GMX30200L	30.00 7,93	36.00 9,51	200.00	2900	15.58	11.63	18.70	13.96	45mm Sinistra / <i>Left</i>	22
P3.033.022	GMX33200L	33.00 8,72	39.60 10,46	200.00	2900	17.14	12.79	20.57	15.35	55mm Sinistra / <i>Left</i>	22
P3.033.023	GMX35170L	35.00 9,25	42.00 11,10	170.00	2465.64	15.45	11.51	18.55	13.82	45mm Sinistra / <i>Left</i>	25
P3.033.024	GMX40170L	40.00 10,57	48.00 12,68	170.00	2465.64	17.66	13.16	21.19	15.79	45mm Sinistra / <i>Left</i>	25
P3.033.026	GMX43170L	43.00 11,36	51.60 13,63	170.00	2465.64	18.99	14.15	22.78	16.97	55mm Sinistra / <i>Left</i>	25
P3.033.027	GMX50150L	50.00 13,21	60.00 15,85	150.00	2175.57	19.48	14.51	23.38	17.42	45mm Sinistra / <i>Left</i>	28
P3.033.028	GMX54150L	54.00 14,27	64.80 17,12	150.00	2175.57	21.04	15.67	25.25	18.81	55mm Sinistra / <i>Left</i>	28
P3.033.035	GMX63150L	63.00 16,64	75.60 19,97	150.00	2175.57	24.54	18.30	29.45	21.96	55mm Sinistra / <i>Left</i>	28

RICAMBI GMX D.20 / SPARE PARTS GMX D.20

KIT - P9.040.028

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP

KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP

KIT - P9.003.032

GUARNIZIONE PISTONE
KIT PLUNGER SEALS

KIT - P9.004.016

PISTONE DIAMETRO 20
KIT CERAMIC PISTON DIAMETER 20

KIT - P9.001.009

VALVOLA COMPLETA
COMPLETE VALVE

KIT - P9.003.040

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS

KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GMX D25 / SPARE PARTS GMX D25

KIT - P9.040.030

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP

KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP

KIT - P9.003.034

GUARNIZIONE PISTONE
KIT PLUNGER SEALS

KIT - P9.004.018

PISTONE DIAMETRO 25
KIT CERAMIC PISTON DIAMETER 25

KIT - P9.001.010

VALVOLA COMPLETA
COMPLETE VALVE

KIT - P9.003.042

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS

KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GMX D22 / SPARE PARTS GMX D22

KIT - P9.040.029

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP

KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP

KIT - P9.003.033

GUARNIZIONE PISTONE
KIT PLUNGER SEALS

KIT - P9.004.017

PISTONE DIAMETRO 22
KIT CERAMIC PISTON DIAMETER 22

KIT - P9.001.009

VALVOLA COMPLETA
COMPLETE VALVE

KIT - P9.003.041

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS

KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

RICAMBI GMX D28 / SPARE PARTS GMX D28

KIT - P9.040.031

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP

KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP

KIT - P9.003.035

GUARNIZIONE PISTONE
KIT PLUNGER SEALS

KIT - P9.004.019

PISTONE DIAMETRO 28
KIT CERAMIC PISTON DIAMETER 28

KIT - P9.001.010

VALVOLA COMPLETA
COMPLETE VALVE

KIT - P9.003.043

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS

KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

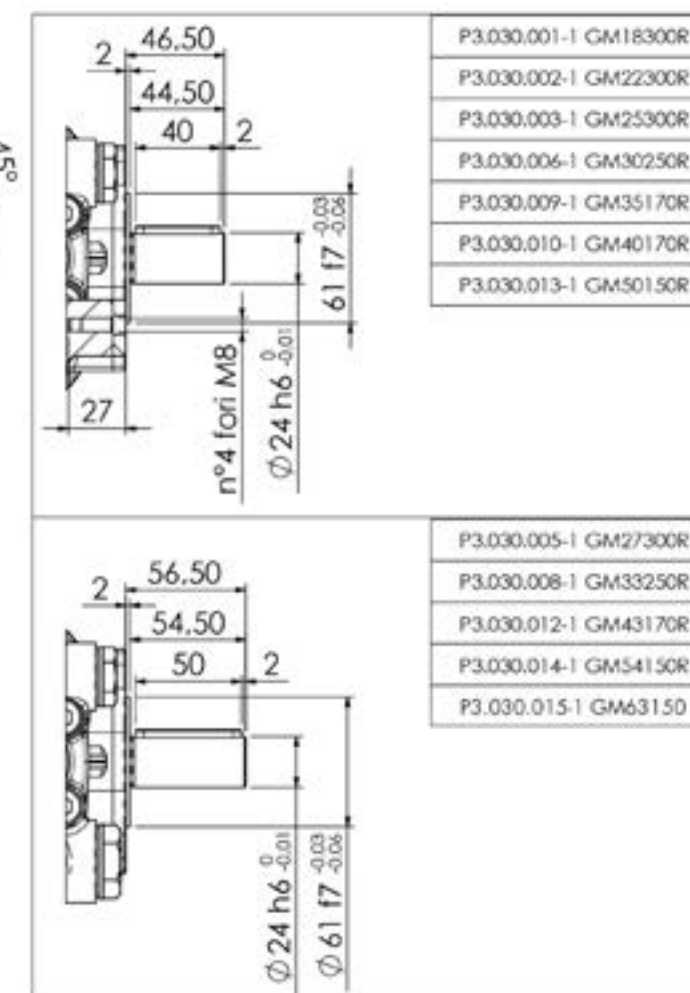
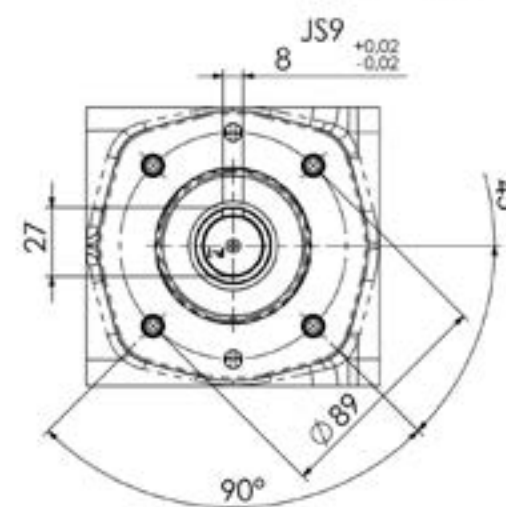
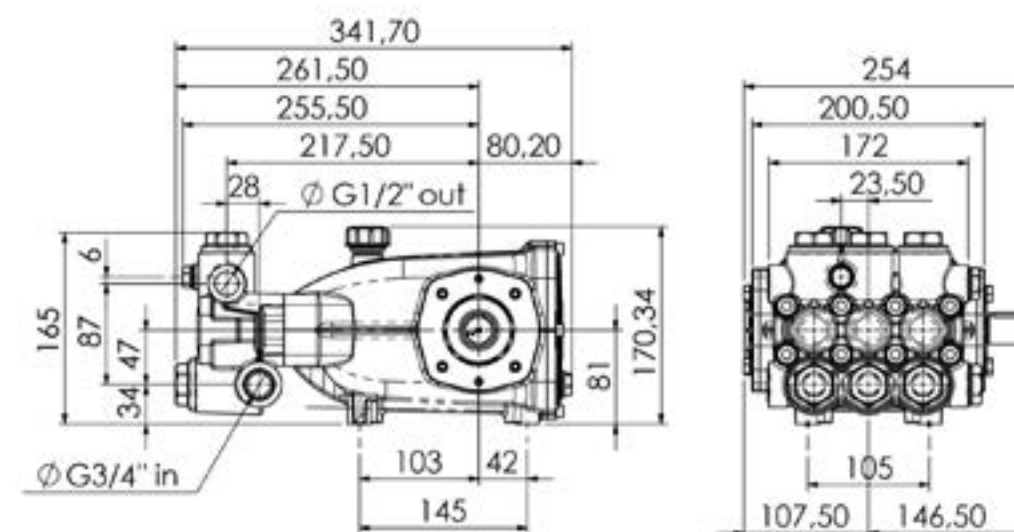


		GIRI <i>RPM</i>	PORTATA <i>FLOW RATE</i>	PRESSIONE MASSIMA <i>MAX PRESSURE</i>		MAX. TEMP. INGRESSO ACQUA <i>MAX INPUT WATER TEMPERATURE</i>
	50 Hz	1450	18.00 - 63.00 lt/min	150 Bar ≡ 300 Bar	2175 Psi ≡ 4351 Psi	65°C 149° F
			4.78 - 16.64 gpm			
	60Hz	1750	21.60 -75.60 lt/min			
5.71 - 19.97 gpm						

		GIRI RPM	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE		MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
	50 Hz	1450	18.00 - 63.00 lt/min	150 Bar ≪ 300 Bar	2175 Psi ≪ 4351 Psi	65°C 149° F
			4.78 - 16.64 gpm			
	60Hz	1750	21.60 -75.60 lt/min			
5.71 - 19.97 gpm						

		GIRI <i>RPM</i>	PORTATA <i>FLOW RATE</i>	PRESSIONE MASSIMA <i>MAX PRESSURE</i>		MAX. TEMP. INGRESSO ACQUA <i>MAX INPUT WATER TEMPERATURE</i>
	50 Hz	1450	18.00 - 63.00 lt/min	150 Bar ≡ 200 Bar	2175 Psi ≡ 2900 Psi	85°C 185° F
			4.78 - 16.64 gpm			
	60Hz	1750	21.60 -75.60 lt/min			
5.71 - 19.97 gpm						

		GIRI RPM	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE		MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
	50 Hz	1450	18.00 - 63.00 lt/min	150 Bar ≡ 200 Bar	2175 Psi ≡ 2900 Psi	85°C 185° F
			4.78 - 16.64 gpm			
	60Hz	1750	21.60 -75.60 lt/min			
5.71 - 19.97 gpm						



XM SERIE



XM

MASSIMA TEMPERATURA INGRESSO ACQUA
MAX INPUT WATER TEMPERATURE

65°C
149° F

PRESSIONE MINIMA INGRESSO
MINIMAL INPUT PRESSURE

0.2 BAR
2.9 PSI

INGRESSO
INLET

G 1/2"

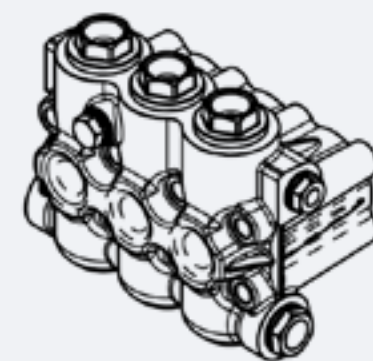
USCITA
OUTLET

G 3/8"



Codice <i>Code</i>	Modello <i>Model</i>	Portata / <i>Flow Rate</i> lt/min - gpm		Pressione / <i>Pressure</i>		Potenza / <i>Power</i>				Albero <i>Shaft</i> Ø 24	mm
		1450 rpm	1740 rpm	Bar	Psi	50Hz		60Hz			
						HP	Kw	HP	Kw		
P3.031.005	XM11500R	11 2,91	13,2 3,49	500.00	7251.89	14.29	10.58	17.14	12.70	Destra / <i>Right</i>	45
P3.031.006	XM15500R	15 3,96	18 4,76	500.00	7251.89	19.48	14.43	23.38	17.32	Destra / <i>Right</i>	45
P3.031.007	XM17500R	17 4,49	20,4 5,39	500.00	7251.89	22.08	16.35	26.49	19.62	Destra / <i>Right</i>	55
P3.031.008	XM21500R	21 5,55	25,2 6,66	500.00	7251.89	27.27	20.20	32.73	24.24	Destra / <i>Right</i>	55
P3.031.013	XM11500L	11 2,91	13,2 3,49	500.00	7251.89	14.29	10.58	17.14	12.70	Sinistra/ <i>Left</i>	45
P3.031.014	XM15500L	15 3,96	18 4,76	500.00	7251.89	19.48	14.43	23.38	17.32	Sinistra/ <i>Left</i>	45
P3.031.015	XM17500L	17 4,49	20,4 5,39	500.00	7251.89	22.08	16.35	26.49	19.62	Sinistra/ <i>Left</i>	55
P3.031.016	XM21500L	21 5,55	25,2 6,66	500.00	7251.89	27.27	20.20	32.73	24.24	Sinistra/ <i>Left</i>	55

RICAMBI / SPARE PARTS



KIT - P9.040.007

TESTATA COMPLETA
COMPLETE HEAD OF THE PUMP



KIT - P9.039.002

ANELLI TENUTA OLIO ASTA
KIT OIL SEAL PUMP XM



KIT - P9.003.046

GUARNIZIONE PISTONE
KIT PLUNGER SEALS



KIT - P9.004.014

PISTONE DIAMETRO 16
KIT CERAMIC PISTON DIAMETER 16



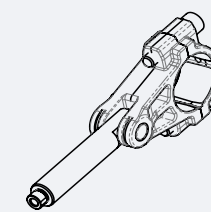
KIT - P9.001.004

VALVOLA COMPLETA
COMPLETE VALVE



KIT - P9.003.047

GUARNIZIONE PISTONE - PACCO COMPLETO
KIT COMPLETE SEALS



KIT - P9.041.005

PREMONTATO BIELLA - ASTA
PREASSEMBLED CONNECTING ROD

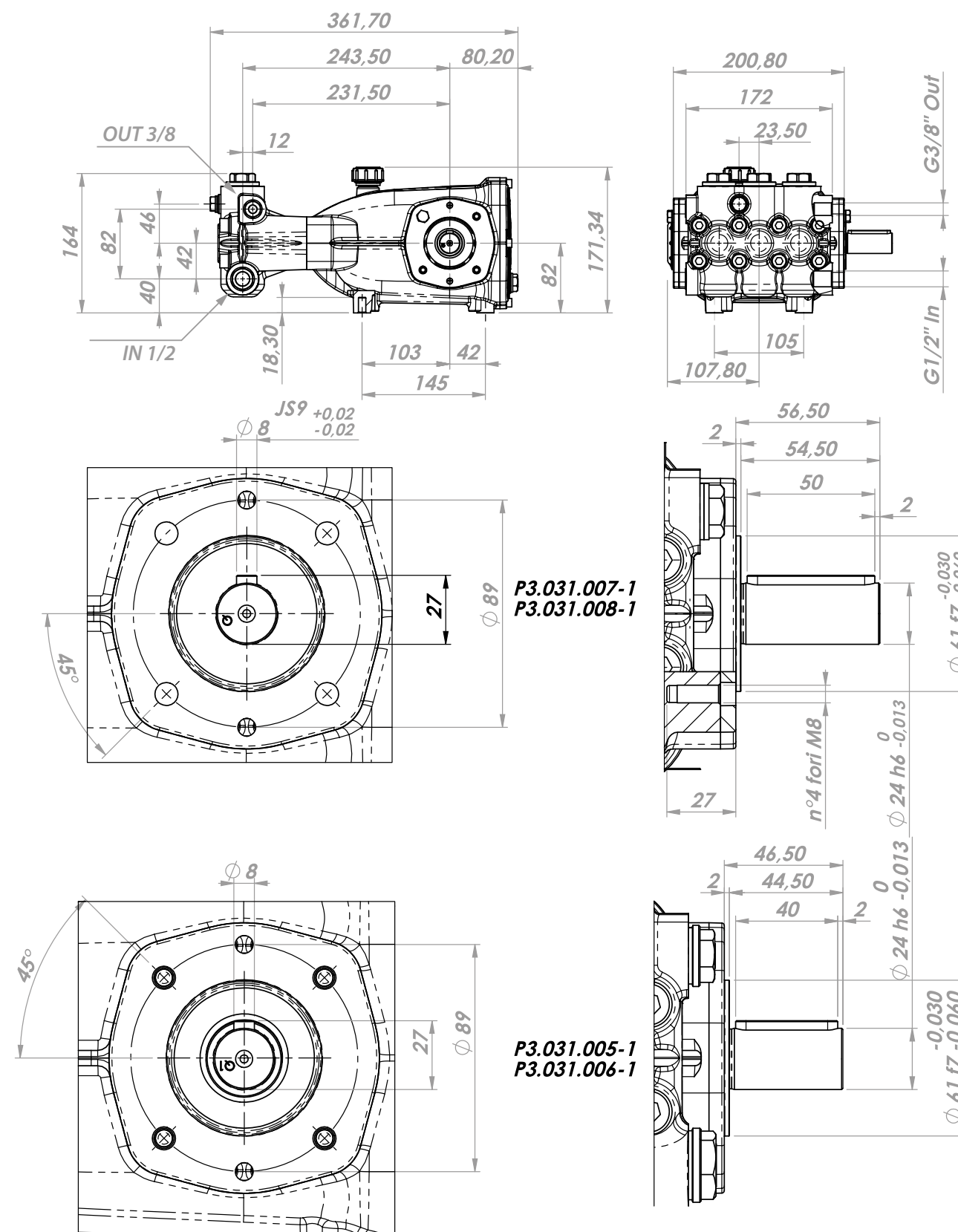
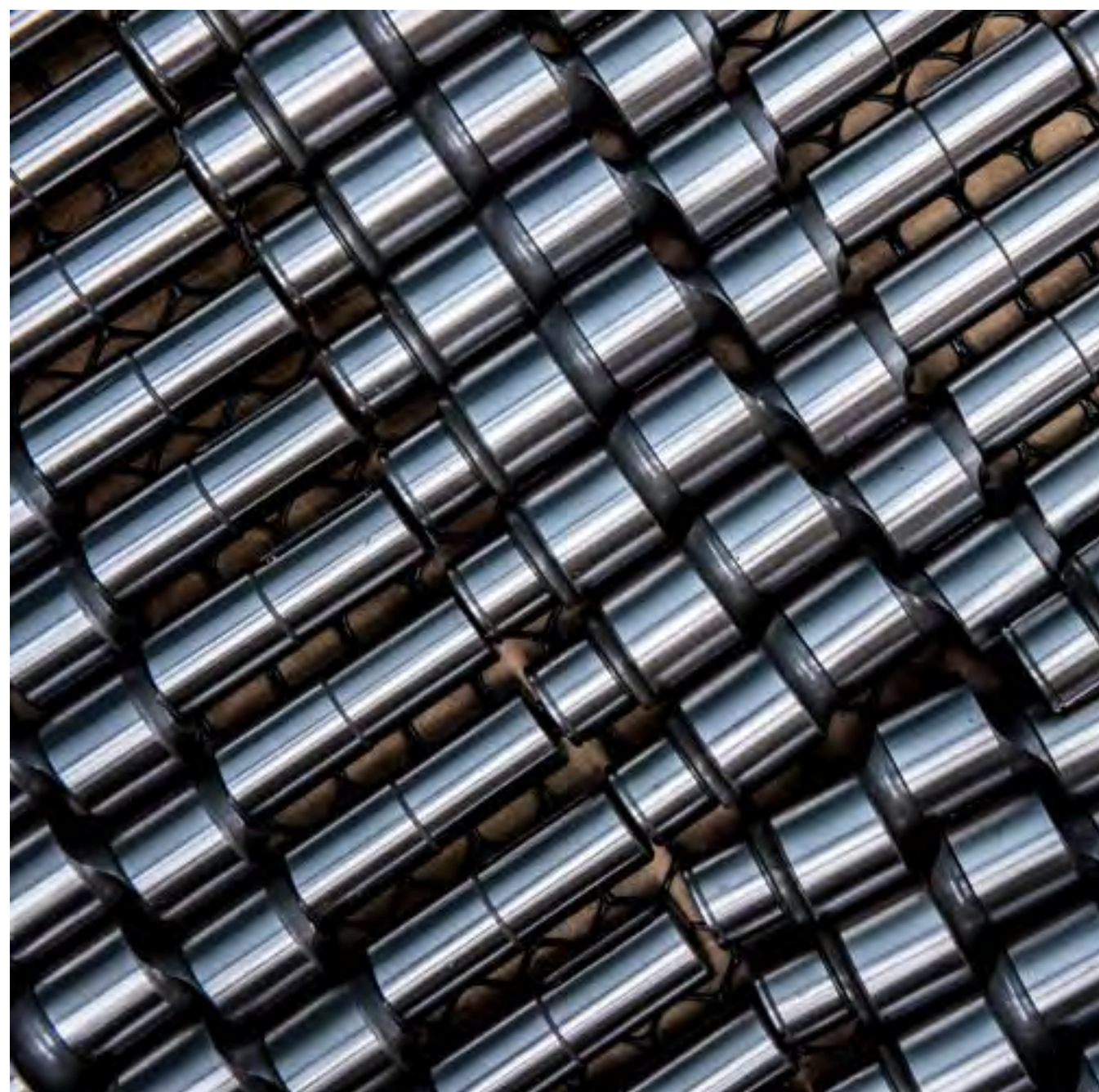
XM	PORTATA FLOW RATE		GIRI ROUNDS	PRESSIONE MASSIMA MAX PRESSURE		CAPACITÀ OLIO OIL CAPACITY		PESO WEIGHT	
	Lt/min	Gpm	Rpm	Bar	Psi	Lt	Gal	Kg	Lbs
50HZ	11.00 » 21.00	2.90 » 5.54	1450	500	7251.89	1.2	0.31	17	37.47
60Hz	13.20 » 25.20	3.48 » 6.65	1740						



XM



	GIRI RPM	PORTATA FLOW RATE	PRESSIONE MASSIMA MAX PRESSURE	MAX. TEMP. INGRESSO ACQUA MAX INPUT WATER TEMPERATURE
50 Hz	1450	11.00 - 21.0 lt/min 2.90 - 3.57 gpm	500 Bar 7251 Psi	65°C 149° F
60Hz	1740	13.20 - 25.20 lt/min 3.48 - 6.65 gpm		





MEC100



MEC112



MEC132



MEC160



MEC180



84-85

86-87

88-89



90-91

90-91



MOTORI ELETTRICI IE2/IE3 4 POLI ELECTRIC MOTORS IE2/IE3 4 POLES



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.

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

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

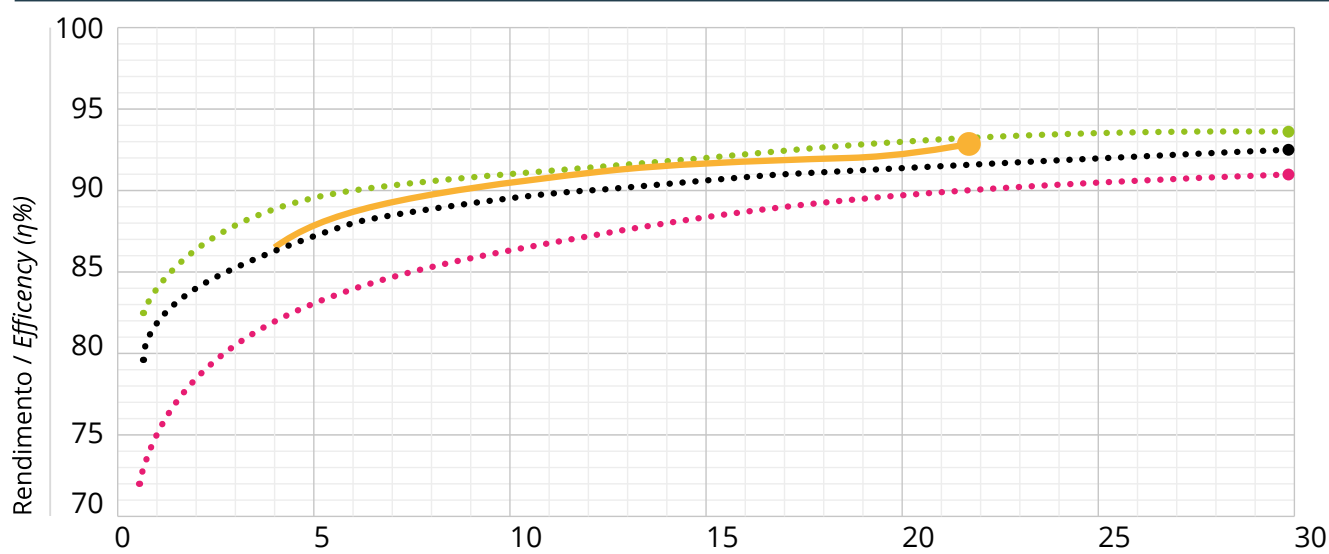
In force for three-phase motors

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. The new DIRECTIVE ERP 2009/125/CE imposes the definition of the efficiency value while projecting a new motor.*

Direttiva 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



Legenda / Legend

••• IE3 Premium — MAZZONI ••• IE2 Alta efficienza ••• Standard IE1

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.

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.

a) Efficienza Energetica

Efficienza è la riduzione dell'energia assorbita del motore elettrico, entro i limiti normativi, per fornire all'albero la potenza di targa.

I motori della Mazzoni sono stati progettati in modo tale che la loro efficienza rientrasse nel range IE2 e per i più grandi in IE3, come dimostra la curva arancione del grafico sotto riportato per motori trifase a 50Hz.

b) Sicurezza Elettrica

Nella progettazione elettrica si è tenuto conto delle seguenti norme di riferimento :

- CEI EN 60335-2-79,
- CEI EN 60335-1-79: 2013-01
- IEC 60204 :2016 SER

I test e le misurazioni di costante monitoraggio assicurano le prestazioni del prodotto. Protezioni elettriche all'interno dell'avvolgimento garantiscono eventuali cause che possono causare la bruciatura dell'avvolgimento.

c) Funzionalità meccanica

Un'attenta valutazione delle problematiche meccaniche sorte nel passato, ha condotto alla progettazione di un giunto elastico a basso ingombro, nell'accoppiamento tra gli alberi motore e pompa, ha ridotto notevolmente le inevitabili vibrazioni, ha eliminato le spinte assiali e assorbito le forze dinamiche dovute al disassamento tra gli alberi. Il giunto elastico integrato nella flangia unificata ha consentito la fornitura di un componente completo ed eliminato il montaggio di un giunto esterno o di accoppiamenti diretti tra motore e pompa. Il giunto elastico assolve anche il problema delle correnti galvaniche che naturalmente si innescano nei microcircuiti umidi tra due alberi accoppiati di questo tipo. I cuscinetti stagni sono largamente dimensionati e lubrificati con grasso a base di litio che consente un buon utilizzo da -25 a +150°C.

d) Sicurezza di funzionamento

La sicurezza di funzionamento consiste nel progettare un prodotto che non crei danno fisico alle persone e alle cose. La Mazzoni s.r.l. esegue test elettrici e meccanici su susseguono al termine di ogni fine montaggio e nella studio di prototipi.

Il rispetto delle normative e l'analisi dei rischi di prodotto garantiscono la sicurezza funzionale.

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.

The Directive 2010/30/UE extends the indication of energy saving value to domestic products using electricity

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.

Our construction measures ensure: Energy efficiency, Electrical safety, Mechanical functionality, Operational safety.

a) Energy Efficiency

Efficiency is the reduction of the absorbed energy of the electric motor, within the regulatory limits, to supply rated power to the shaft.

Mazzoni engines were designed in such a way that their efficiency enters in the IE2 range and the largest in IE3, as shown by the orange curve in the graph below for three-phase motors at 50Hz.

b) Electrical Safety

Following norms have been taken into account in electrical design:

- CEI EN 60335-2-79,
- CEI EN 60335-1-79: 2013-01
- IEC 60204: 2016 SER

The tests and measurements of constant monitoring ensure the performance of the product. Electrical protections inside the winding guarantee possible causes they can cause the winding to burn.

c) Mechanical functionality

A careful assessment of mechanical problems that arose in the past, has led to the design of a low-bulk elastic joint. It is in the coupling between the crankshafts and pump and it has greatly reduced the inevitable vibrations, has eliminated axial thrusts and absorbed the dynamic forces due to the misalignment in the shafts. The elastic coupling integrated in the unified flange has allowed the supply of a complete component and eliminated assembly of an external joint or direct couplings between engine and pump. The elastic coupling also fulfills the problem of galvanic currents which naturally are triggered in the humid microcircuits between two coupled shafts.

The sealed bearings are largely sized and lubricated with grease based on Lithium, which allows a good use from -25 to +150 °C.

d) Operational safety

Operational safety consists in designing a product that does not create physical damage to people and things. Mazzoni s.r.l. performs electrical and mechanical tests at the end of each assembly and for the study of prototypes. Compliance with regulations and product risk analysis guarantee functional safety.

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.



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.

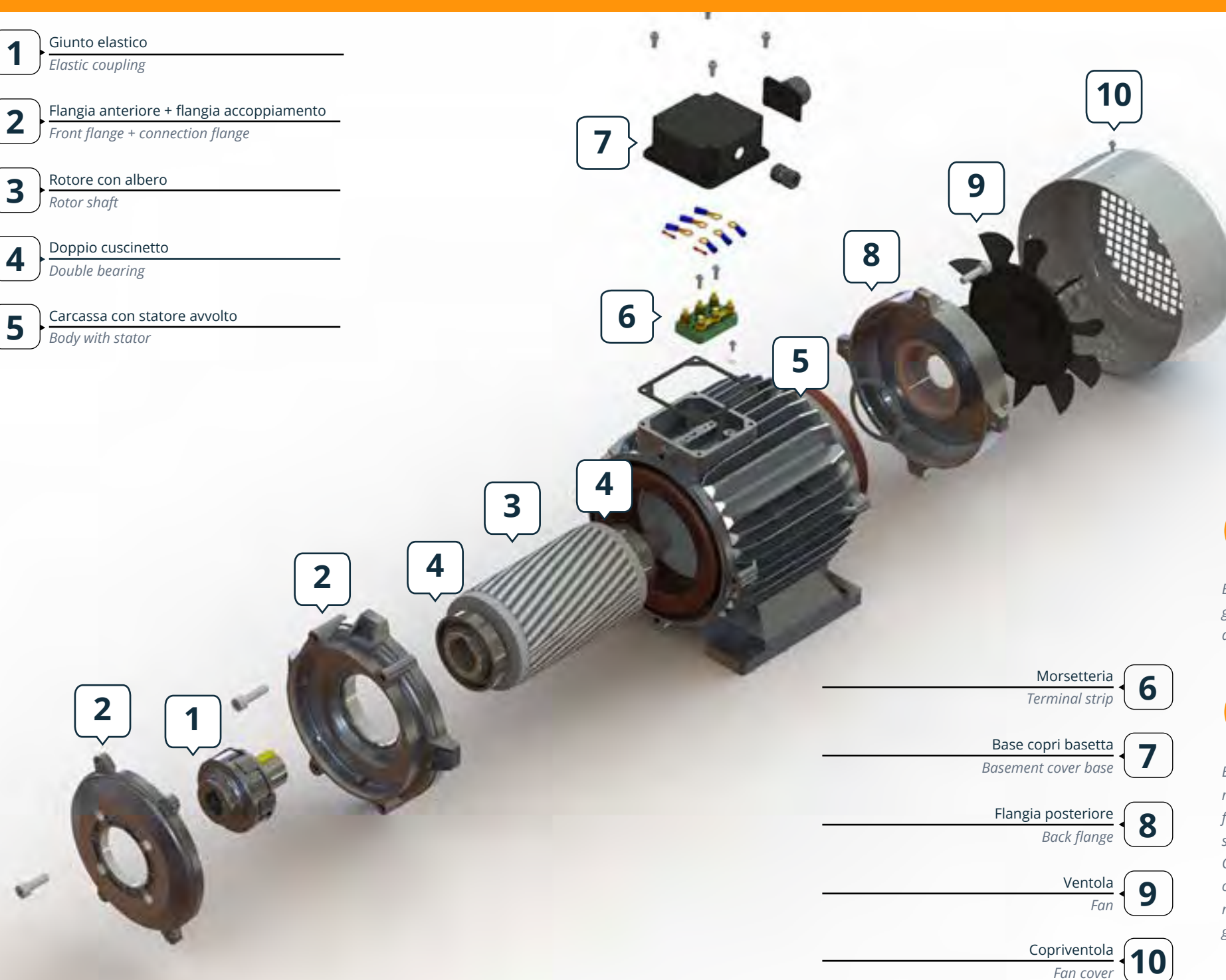
I nostri giunti elastici sono utili per la salvaguardia della motopompa in quanto eliminano il fenomeno dell'elettroerosione causato da correnti galvaniche che corrodono alberi e cuscinetti.



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

- 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



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



BEARING

Ball-bearing with single crown.

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



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.

100% MADE IN ITALY



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.

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.

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 59.52 x 23.62 x 19.68 inch	100 x 65 x 50 cm 39.37 x 25.6 x 19.68 inch	120 x 80 x 50 cm 47.24 x 31.49 x 19.68 inch
30 kg / 66.13 lbs	150 kg / 330.69 lbs	300 kg / 661.38 lbs

GIRI / ROUNDS	FASE / PHASE	VOLT	HP (Kw)	A	Hz
1450/1740	1	230	3 (2.2)	12.5	50/60
	3	230/400	5.5 (4)	16-9	

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 59.52 x 23.62 x 19.68 inch	100 x 65 x 50 cm 39.37 x 25.6 x 19.68 inch	120 x 80 x 50 cm 47.24 x 31.49 x 19.68 inch
37 kg / 81.57 lbs	180 kg / 396.83 lbs	360 kg / 793.66 lbs

GIRI / ROUNDS	FASE / PHASE	VOLT	HP (Kw)	A	Hz
1450/1740	1	230	4 (3)	16	50/60
	3	230/400	5.5 (4)	15.4-8.9	
	3	230/400	7.5 (5.5)	21-12	

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 59.52 x 23.62 x 19.68 inch	120 x 80 x 50 cm 47.24 x 31.49 x 19.68 inch
145 kg / 319.67 lbs	255 kg / 562.179 lbs

GIRI / ROUNDS	FASE / PHASE	VOLT	HP (Kw)	A	Hz
1450/1740	3	230/400	10 (7.5)	27.5-16	50/60
	3	400/700	15 (11)	21-12	
	3	230/400	15 (11)	35.5-20.5	

MEC

160


IMBALLO / PACKAGING

1 pezzo per pallet <i>1 piece each pallet</i>
120 x 80 x 50 cm 47.24 x 31.49 x 19.68 inch
140 kg / 308 lbs

GIRI / ROUNDS	FASE / PHASE	VOLT	HP (Kw)	A	Hz
1450/1740	3	400/700	20 (15)	27.7-16	50/60

MEC

180


IMBALLO / PACKAGING

1 pezzo per pallet <i>1 piece each pallet</i>
120 x 80 x 50 cm 47.24 x 31.49 x 19.68 inch
180 kg / 396.83 lbs

GIRI / ROUNDS	FASE / PHASE	VOLT	HP (Kw)	A	Hz
1450/1740	3	400/700	30 (22)	39.5-23	50/60

MEC 100



MEC 100



GIUNTO ELASTICO
ELASTIC COUPLING



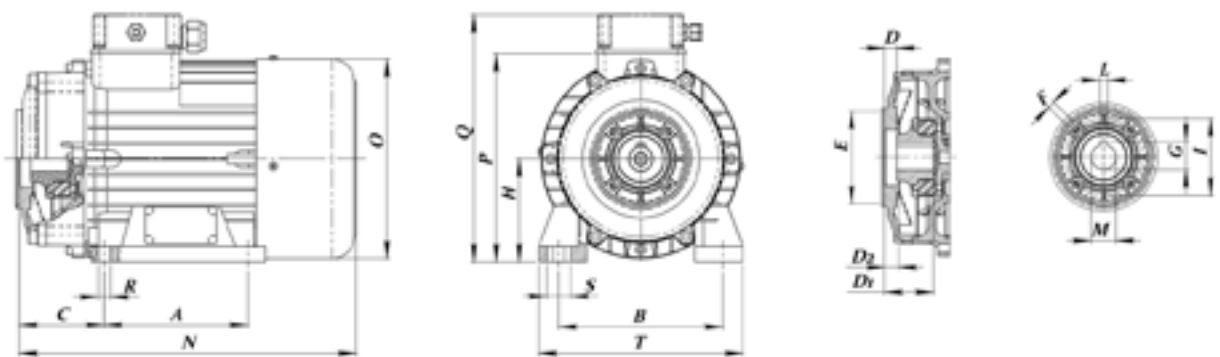
CUSCINETTI A SFERA
BALL BEARING



TERMICHE NEGLI AVVOLGIMENTI
THERMAL PROTECTION IN THE WINDINGS



DIMENSIONI / DIMENSIONS



Codice Code	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	D1	D2
2.081.12.016	140	160	84	11	90	7	27.3	100	75	8	24	327	194	203	242	12	22	192	50	13.5
2.081.12.019	140	160	84	11	90	7	27.3	100	75	8	24	327	194	203	242	12	22	192	50	13.5
2.081.12.004	140	160	78	6	61	10	27.3	100	88	8	24	325	194	203	242	12	22	192	45	9

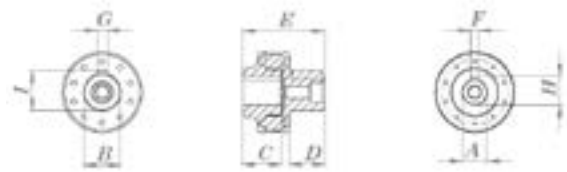
FASE PHASE	VOLT	HP (Kw)	RENDIMENTO EFFICIENCY	A	Cos φ	Hz (GIRI / ROUNDS)
1	230	3 (2.2)	83%	12.5	0.99	50 (1450 rpm)
3	230/400	5.5 (4)	85%	16 - 9	0.86	60 (1740 rpm)

Versione monofase fornita con condensatore 60mf / Monophase version supplied with condenser 60mf included

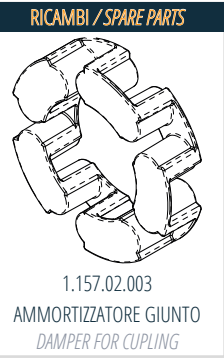


PEZZI PER PALLET / PIECES EACH PALLET	CM	INCH	KG	LBS
1	75X60X50	29.52X23.62X19.68	30	66.13
5	100X65X50	39.37X25.6X19.68	150	330.69
10	120X80X50	47.24X31.5X19.68	300	661.38

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



MEC 112



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



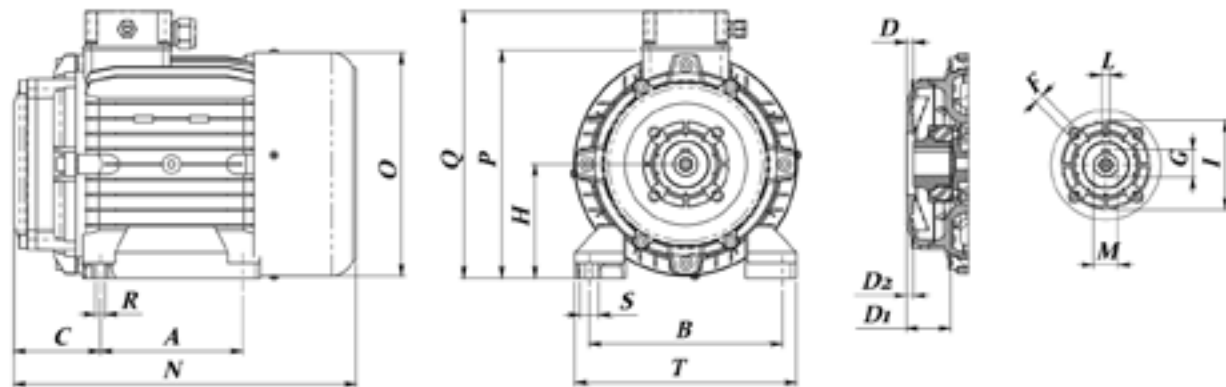
FASE PHASE	VOLT	HP (Kw)	RENDIMENTO EFFICIENCY	A	Cos φ	Hz (GIRI / ROUNDS)	
1	230	4 (3)	82%	16	0.98	50 (1450 rpm)	60 (1740 rpm)
3	230/400	5.5 (4)	88%	15.4 - 8.9	0.90		
3	230/400	7.5 (5.5)	86%	21 - 12	0.85		

Versione monofase fornita con condensatore 60mf / Monophase version supplied with condenser 60mf included



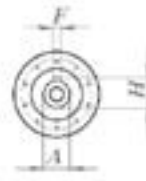
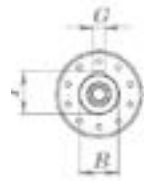
PEZZI PER PALLET / PIECES EACH PALLET	CM	INCH	KG	LBS
1	75X60X50	29.52X23.62X19.68	37	81.57
5	100X65X50	39.37X25.6X19.68	180	396.83
10	120X80X50	47.24X31.5X19.68	360	793.66

DIMENSIONI / DIMENSIONS



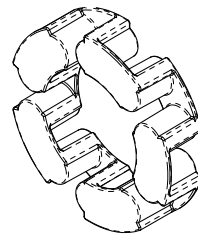
Codice Code	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	D1	D2
2.081.12.020	140	190	85	11	90	7	27.3	112	75	8	24	336	218	226	265	12	22	224	50	13.5
2.081.12.013	140	190	85	6	61	10	27.3	112	88	8	24	336	218	226	265	12	22	224	45	9
2.081.12.026	140	190	85	11	90	7	27.3	112	75	8	24	336	218	226	265	12	22	224	50	13.5
2.081.12.001	140	190	85	6	61	10	27.3	112	88	8	24	336	218	226	265	12	22	224	45	9
2.081.12.021	140	190	85	11	90	7	27.3	112	75	8	24	336	218	226	265	12	22	224	50	13.5

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	38

RICAMBI / SPARE PARTS



1.157.02.003
AMMORTIZZATORE GIUNTO
DAMPER FOR COUPLING

MEC 132



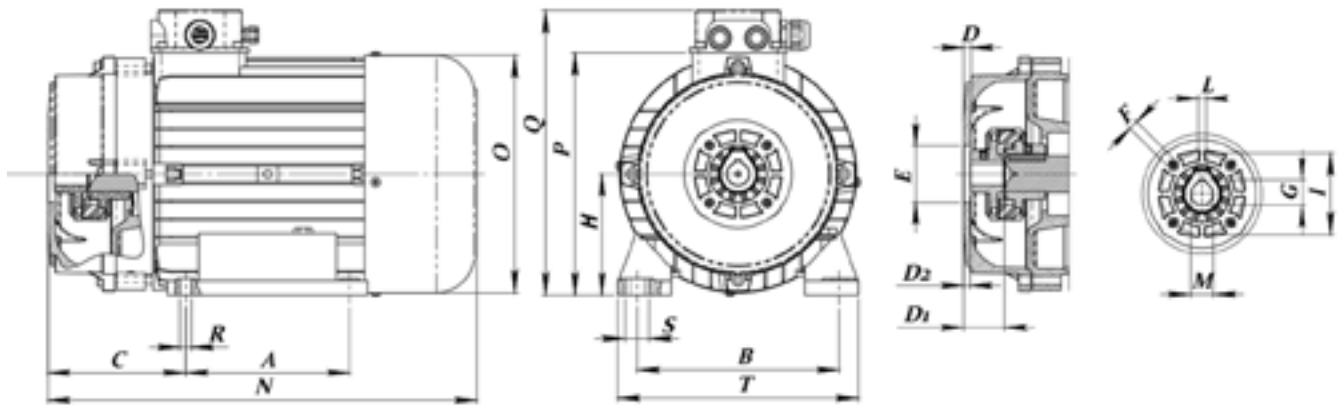
MEC 132

1740



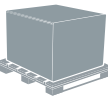
Codice Code	Fase Phase	V	Hz	Ampere	Hp (kW)	RPM		Peso netto / Net weight	Pompe Mazzoni Mozzoni Pumps
						50Hz	60Hz		
2.081.12.002	3	230/400	50/60	27.5 - 16	10 (7.5)	1450	1740	54	MM
2.081.12.027	3	230/400	50/60	27.5 - 16	10 (7.5)	1450	1740	54	GM/XM - L.45mm
2.081.12.003	3	400/700	50/60	21 - 12	15 (11)	1450	1740	64	MM
2.081.12.010	3	400/700	50/60	21 - 12	15 (11)	1450	1740	64	GM/XM - L.45mm
2.081.12.015	3	230/400	50/60	35.5 - 20.5	15 (11)	1450	1740	64	MM
2.081.12.017	3	400/700	50/60	21 - 12	15 (11)	1450	1740	64	GM/XM - L.55mm
2.081.12.028	3	230/400	50/60	35.5 - 20.5	15 (11)	1450	1740	64	GM/XM - L.45mm
2.081.12.029	3	230/400	50/60	35.5 - 20.5	15 (11)	1450	1740	64	GM/XM - L.55mm

DIMENSIONI / DIMENSIONS



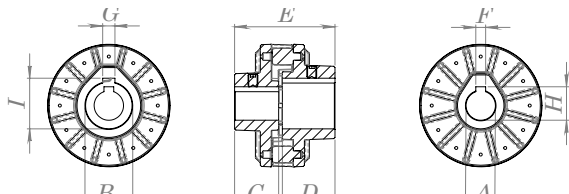
Codice / Code	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	D1	D2
2.081.12.002	178	216	150	5	61	10	27.3	132	88	8	24	463	256	264	309	12	28	259	45	8
2.081.12.003	178	216	150	5	61	10	27.3	132	88	8	24	463	256	264	309	12	28	259	45	8
2.081.12.010	178	216	155	3	61	9	27.3	132	88	8	24	468	256	264	309	12	28	259	50	14
2.081.12.027	178	216	160	3	61	9	28.3	132	88	8	24	480	256	264	309	12	28	259	50	14
2.081.12.015	178	216	150	5	61	10	27.3	132	88	8	24	463	256	264	309	12	28	259	45	8
2.081.12.017	178	216	160	5	61	9	27.3	132	88	8	24	480	256	264	309	12	28	259	57	21
2.081.12.028	178	216	160	3	61	9	27.3	132	88	8	24	480	256	264	309	12	28	259	50	14
2.081.12.029	178	216	160	5	61	9	27.3	132	88	8	24	480	256	264	309	12	28	259	57	21

FASE PHASE	VOLT	HP (Kw)	RENDIMENTO EFFICIENCY	A	Cos φ	Hz (GIRI / ROUNDS)	
1	230/400	10 (7.5)	89%	27.5 - 16	0.83	50 (1450 rpm)	60 (1740 rpm)
3	230/400	15 (11)	88%	21 - 12	0.80		
3	400/700	15 (11)	90.4%	35.5 - 20.5	0.85		

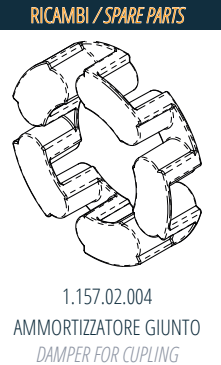


PEZZI PER PALLET / PIECES EACH PALLET	CM	INCH	KG	LBS
2	75X60X50	29.52X23.62X19.68	145	319.67
4	120X80X50	47.24X31.5X19.68	255	562.17

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	132	Ø25	Ø38	36	43	81	8	10	28.3	41.3



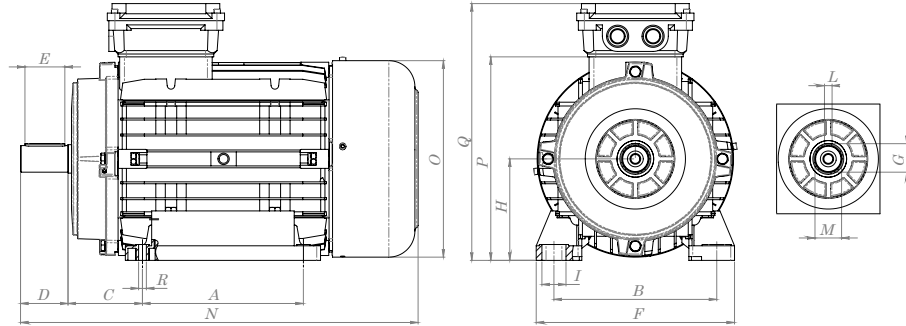
MEC 160 - MEC 180



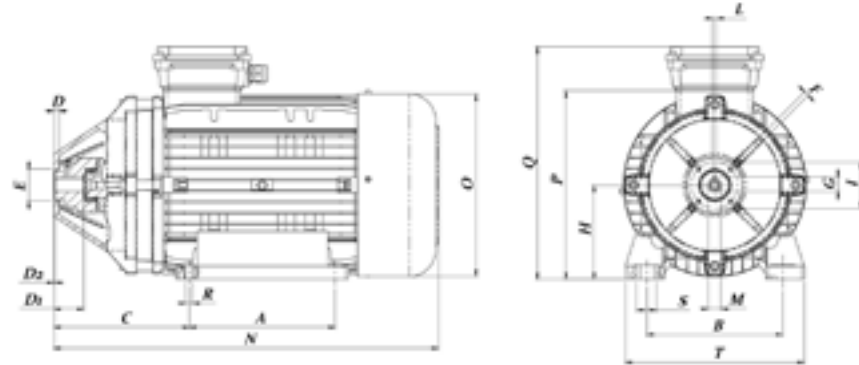
MEC 160 - MEC 180



DIMENSIONI / DIMENSIONS



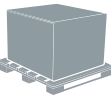
Codice / Code	Mod.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R
3.002.12.049	MEC160	254	257	117.5	75	63	313	45	160	38	12	42	627.5	310	321	405	12
3.002.12.046	MEC180	279	257	119	75	63	342	51.5	180	38	14	48	670.5	349.4	361	445	13



Pompe Mazzoni
Mazzoni Pumps
GM - XM

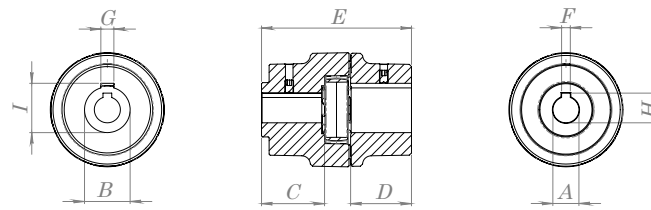
Codice / Code	Mod.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	D1	D2
3.002.12.049	MEC160	254	257	559	10	61	313	27.3	160	88	8	24	695	310	321	405	12	57	2
2.081.12.030	MEC180	279	257	260	10	61	342	27.3	180	88	8	24	735	349	361	445	13	57	2

MEC	FASE PHASE	VOLT	HP (Kw)	RENDIMENTO EFFICIENCY	A	Cos φ	Hz (GIRI / ROUNDS)
160	3	400/700	20 (15)	90.6%	27.7 - 16	0.85	50 (1450 rpm) 60 (1740 rpm)
180	3	400/700	30 (22)	92.3%	39.5 - 23	0.91	50 (1450 rpm) 60 (1740 rpm)



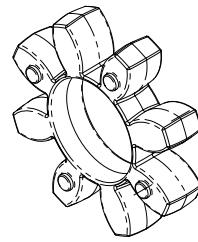
MEC	PEZZI PER PALLET / PIECES EACH PALLET	CM	INCH	KG	LBS
160	1	120X80X50	47.24X31.49X19.68	140	308.64
180	1	120X80X50	47.24X31.49X19.68	180	396.83

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
3.055.02.009	180	Ø24	Ø48	58	58	138	8	14	27.3	51.8

RICAMBI / SPARE PARTS



4.049.02.001
AMMORTIZZATORE GIUNTO
DAMPER FOR COUPLING



MOTOPOMPE IDRAULICHE
HYDRAULIC MOTORPUMPS

94



ELETTROPOMPE CON QUADRO ELETTRICO
ELECTRIC PUMPS WITH ELECTRICAL BOX

95



ELETTROPOMPE
ELECTRIC PUMPS

95

MOTOPOMPE IDRAULICHE REVERSIBILI

REVERSIBLE HYDRAULIC MOTORPUMPS



ELETTROPOMPE

ELECTRIC PUMPS



CODICE CODE	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 - Lt/min	Psi - Gpm

ACCOPPIAMENTO DIRETTO / DIRECT CONNECTION

3.006.42.002	MM15200R-HY	1450	15	4	200	3000	6.25	4.66	35 Ma 4413 SAE "B"	150 - 36	2175 - 9.5
3.006.42.003	MM21200R-HY	1450	21	5.5	200	3000	8.75	6.52	35 Ma 63 SAE "B"	200 - 36	2900 - 9.5

Su richiesta disponibili anche altre motorizzazioni. *Other engines are also available on request.*



CODICE CODE	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 - Lt/min	Psi - Gpm

CON GIUNTO ELASTICO / WITH ELASTIC COUPLING

3.006.42.008	MM15200R	1450	15	4	200	3000	6.25	4.66	35 Ma 4413 SAE "B"	150 - 36	2175 - 9.5
3.006.42.007	MM21200R	1450	21	5.5	200	3000	8.75	6.52	35 Ma 63 SAE "B"	180 - 36	2610 - 9.5
3.006.42.004	GM25300R	1450	25	6.6	300	4351	15.6	11.63	35 Ma 4413 SAE "B"	150 - 70	2175 - 18.49

Su richiesta disponibili anche altre motorizzazioni. *Other engines are also available on request.*



CODICE CODE	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 - Lt/min	Psi - Gpm

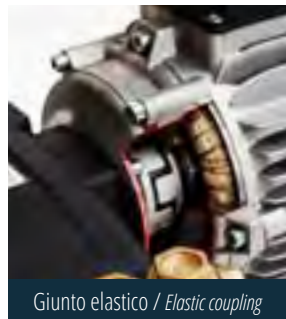
Con giunto elastico, valvola by-pass, valvola di sicurezza, valvola termica e manometro
With elastic coupling, by-pass valve, safety valve, thermal valve and manometer

3.071.32.001	MM15200R	1450	15	4	200	3000	6.25	4.66	35 Ma 4413 SAE "B"	150 - 36	2175 - 9.5
3.071.32.002	MM21200R	1450	21	5.5	200	3000	8.75	6.52	35 Ma 4413 SAE "B"	180 - 36	2610 - 9.5

Su richiesta disponibili anche altre motorizzazioni. *Other engines are also available on request.*

POMPA MAZZONI + MOTORE CON GIUNTO ELASTICO + QUADRO ELETTRICO + VALVOLA BYPASS CON TST + MANOMETRO

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



Giunto elastico / Elastic coupling



Valvola bypass / Bypass valve

CODICE/CODE	PRESSIONE/PRESSURE		PORTATA/FLOW RATE		MOTORE /ENGINE	POTENZA/POWER		GIRI/ROUNDS	IN	OUT
	Bar	Psi	Lt/min	Gpm		Volts-Hz	Hp	Kw		
3.071.02.020	150	2175.57	10	2.64	230V (50) 1Ph	3	2.2	1450	3/4" GAS M	M22x1.5
3.071.02.021	170	2465.64	13	3.43	400V (50) 3Ph	5.5	4	1450	3/4" GAS M	M22x1.5
3.071.02.033	150	2175.57	15	3.96	400V (50) 3Ph	5.5	4	1450	3/4" GAS M	M22x1.5
3.071.02.022	200	2900.75	15	3.96	400V (50) 3Ph	7.5	5.5	1450	3/4" GAS M	M22x1.5
3.071.02.023	150	2175.57	21	5.54	400V (50) 3Ph	7.5	5.5	1450	3/4" GAS M	M22x1.5
3.071.02.024	200	2900.75	21	5.54	400V (50) 3Ph	10	7.5	1450	3/4" GAS M	M22x1.5
3.071.02.025	240	2900.75	25	6.60	400V (50) 3Ph	15	11	1450	3/4" GAS M	M22x1.5
3.071.02.026	200	2900.75	30	7.92	400V (50) 3Ph	15	11	1450	3/4" GAS M	M22x1.5

Su richiesta disponibili anche altre motorizzazioni.
Other engines are also available on request.

60
Hz

Disponibile su richiesta
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	PRESSIONE/PRESSURE		PORTATA/FLOW RATE		MOTORE /ENGINE	POTENZA/POWER		GIRI/ROUNDS	IN	OUT
	Bar	Psi	Lt/min	Gpm		Volts-Hz	Hp	Kw		
3.071.02.014	150	2175.57	10	2.64	230V (50) 1Ph	3	2.5	1450	1/2" F	3/8" F
3.071.02.015	170	2465.64	13	3.43	400V (50) 3Ph	5.5	4	1450	1/2" F	3/8" F
3.071.02.010	200	2900.75	15	3.96	400V (50) 3Ph	7.5	5.5	1450	1/2" F	3/8" F
3.071.02.009	150	2175.57	21	5.54	400V (50) 3Ph	7.5	5.5	1450	1/2" F	3/8" F
3.071.02.011	200	2900.75	21	5.54	400V (50) 3Ph	10	7.5	1450	1/2" F	3/8" F
3.071.02.012	240	3480.90	25	6.60	400V (50) 3Ph	15	11	1450	3/4" F	1/2" F
3.071.02.013	200	2900.75	30	7.92	400V (50) 3Ph	15	11	1450	3/4" F	1/2" F
3.006.12.236	500	7251.88	15	3.96	400V (50) 3Ph	20	15	1450	1/2" F	3/8" F
3.006.12.230	500	7251.88	21	5.54	400V (50) 3Ph	30	22	1450	1/2" F	3/8" F
3.006.12.221	170	2465.64	43	11.35	400V (50) 3Ph	20	15	1450	3/4" F	1/2" F

Su richiesta disponibili anche altre motorizzazioni.
Other engines are also available on request.

60
Hz

Disponibile su richiesta
Supplied on request



CALDAIE AD ALTA PRESSIONE HIGH PRESSURE HEATERS



CALDAIE PICCOLE
SMALL HEATERS



100-101



CALDAIE MEDIE
MEDIUM HEATERS

102-103



CALDAIE GRANDI
BIG HEATERS

104-105



CALDAIE MAXI
MAXI HEATERS

106-107



DIESEL CON QUADRO ELETTRICO
DIESEL WITH ELECTRICAL BOX



108-117



GPL E METANO
LPG AND METHANE

118-120



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



CALDAIE PICCOLE / SMALL HEATERS

PORTATA FLOW RATE	PRESSIONE / PRESSURE	
	MIN	MAX
15 Lt/min 3.9 Gpm	3 Bar 43.51 Psi	250 Bar 3625.94 Psi



CALDAIE MEDIE / MEDIUM HEATERS

PORTATA FLOW RATE	PRESSIONE / PRESSURE	
	MIN	MAX
20 - 25 Lt/min 5.2 - 6.6 Gpm	3 Bar 43.51 Psi	500 Bar 7251.89 Psi



CALDAIE GRANDI E MAXI / BIG AND MAXI HEATERS

PORTATA FLOW RATE	PRESSIONE / PRESSURE	
	MIN	MAX
30 Lt/min - 40 Lt/min 7.9 Gpm - 10.56 Gpm	3 Bar 43.51 Psi	500 Bar 7251.89 Psi

Accessori Opzionali Optional Accessories

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

ESTENSIONE CAMINI / CHIMNEY EXTENTIONS



15 - 20 - 25 - 30 - 40 LT

1.018.02.006 - H: 190mm - IN: 102x48 mm
1.018.02.007 - H: 150mm - IN: 72x72 mm
1.018.02.008 - H: 230mm - IN: 136x54 mm

PROTEZIONE ANTIVENTO / WIND PROTECTION



30 - 40 LT

3.037.02.007 - H: 240 mm - IN: 136x54 mm

ESTRAZIONE FUMI VENTURI / SMOKES EXTRACTION VENTURI

15 - 20 - 25 LT



3.037.02.002
136x54mm - L: 416mm
Ø 123 mm

30 - 40 LT



3.037.02.006
136x54 mm - L: 375mm
Ø 197 mm

CARATTERISTICHE STANDARD / STANDARD FEATURES

Corpo in acciaio INOX	Stainless Steel body
Fondo caldaia in fibra ceramica compressa	Heater base made of compressed ceramic fiber
Spessore serpentina maggiorato	Higher coil thickness
Tubo serpentina senza saldature (dove previsto)	Coil without welding where indicated
Testa di combustione professionale	Professional combustion head
Pompa gasolio: bitubo con elettrovalvola	Diesel pump: double pipe with solenoid valve
Trasformatore alta tensione	High voltage transformer
Ventilatore in alluminio	Aluminium fan
Motore ventilatore autonomo 12V / 24V / 230V / 400V	Autonomous fanmotor 12V / 24V / 230V / 400V
Protezione termica per motori 230V / 400V	Thermic protection on 230V / 400V motor winding
Uscita acqua: 1/2" G	Outlet: 1/2" G
Ugello gasolio	Diesel nozzle
Elettrodi di accensione	Ignition electrodes
Cavi al carbonio con connettori per alta tensione a tenuta stagna	Carbon cables with waterproof high voltage plugs
Tubo gasolio in rame	Copper diesel pipe



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 FAN (230V / 400V):

termic protections on motor reels, diesel pump. Diesel filter optional.



PORTATA
FLOW RATE

15 lt/min
3.9 gpm

PRESSIONE MINIMA
MIN PRESSURE

3 Bar
43.51 Psi

PRESSIONE MASSIMA
MAX PRESSURE

250 Bar
3625.94 Psi

RENDIMENTO
PERFORMANCE

50.000 Kcal/h
198.000 BTU → 58.15Kw

CONSUMO DIESEL
DIESEL CONSUMPTION

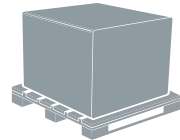
4.73 lt/h

Consumo stimato calcolato alla
pressione del gasolio di 12 bar
Estimated consumption calculated
at the diesel pressure of 12 bar



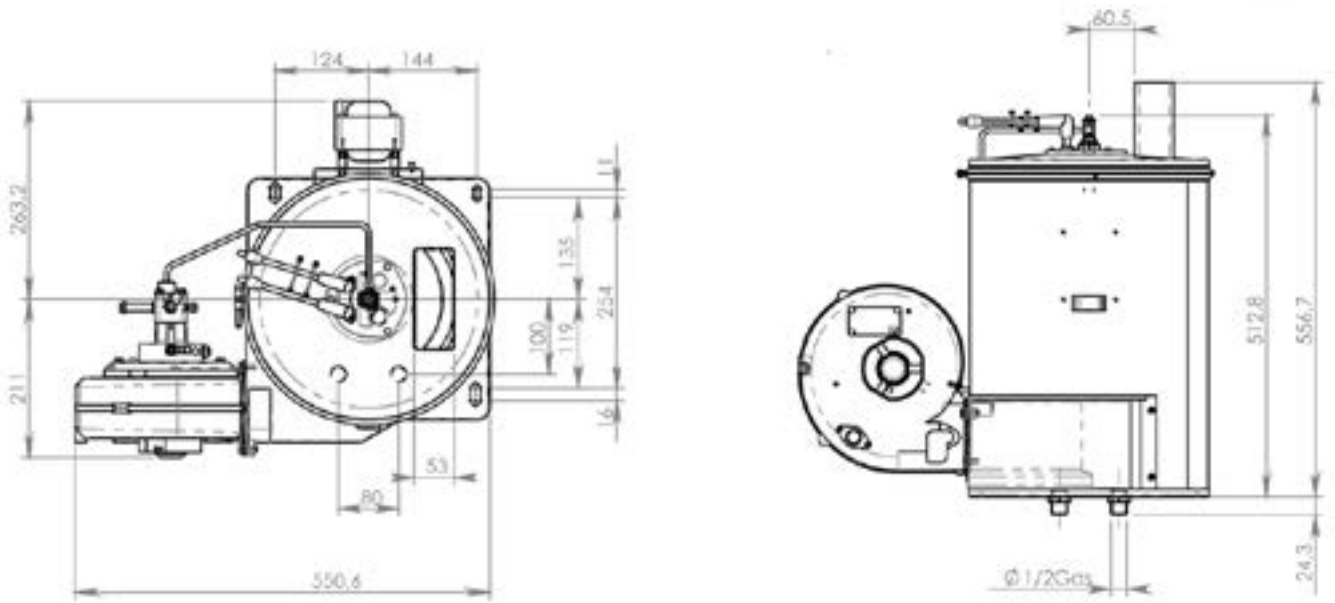
Codice Code	Bar	Psi	Lt/min	Gpm	m	ft	Serpentina / Coil		Ugello Diesel Nozzle	Elettrovalvola Electrovalve	Motore Motor Volts-Hz	Peso netto Net weight	
							Tubo / Pipe	Spessore / Thickness				Kg	Lbs
3.026.02.025	250	3625.94	15	3.9	24	78.74	2.1	3/8"	1.25	12V DC	12V	45	99.2
3.026.02.026	250	3625.94	15	3.9	24	78.74	2.1	3/8"	1.25	24V DC	24V	45	99.2
3.026.02.027	250	3625.94	15	3.9	24	78.74	2.1	3/8"	1.25	24V AC*	220V (50)	44	97
3.026.02.028	250	3625.94	15	3.9	24	78.74	2.1	3/8"	1.25	24V AC*	400V (50)	44	97

PACKAGING



PEZZI PER PALLET / PIECES EACH PALLET	CM	IN	KG	LBS
1	66X80X120	25.9X31.4X47.2	65	143.3
4	120X80X115	47.2X31.4X45.2	205	451.9

DIMENSIONI / DIMENSIONS



NOTE / NOTES



Caldaie con pressioni o
portata diversa su richiesta
On demand heaters
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

MEDIUM
DIESEL



MEDIUM
DIESEL

PORTATA
FLOW RATE
20 - 25 lt/min
5.2 - 6.6 gpm

PRESSIONE MINIMA
MIN PRESSURE
3 Bar
43.51 Psi

PRESSIONE MASSIMA
MAX PRESSURE
500 Bar
7251.89 Psi

RENDIMENTO
PERFORMANCE
20lt - 80.000 Kcal/h - 317.000 BTU
25lt - 90.000 Kcal/h - 357.000 BTU
93 Kw
105 Kw

CONSUMO DIESEL
DIESEL CONSUMPTION
20 lt → 7.56 lt/h
25 lt → 8.5 lt/h

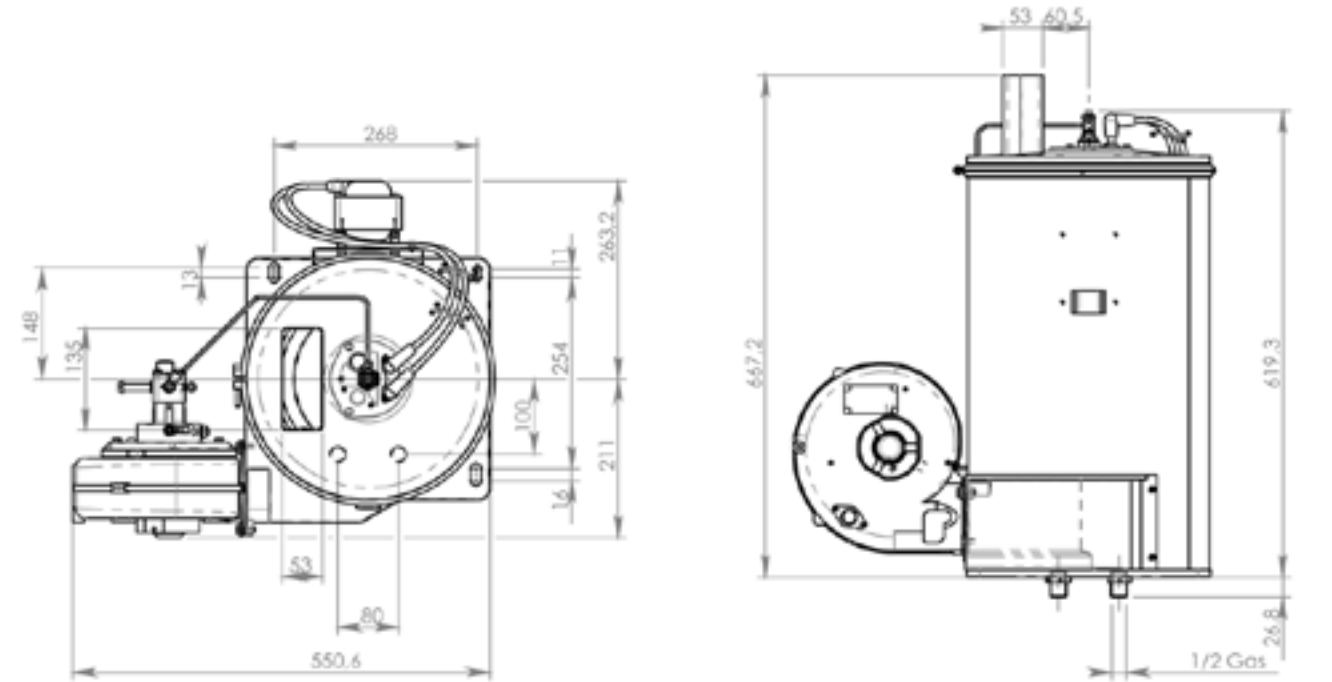
Consumo stimato calcolato alla pressione del gasolio di 10 bar
Estimated consumption calculated at the diesel pressure of 10 bar



Table with 15 columns: Codice, Bar, Psi, Lt/min, Gpm, m, ft, Tubo / Pipe, Spessore / Thickness, Ø, Ugello Diesel Nozzle, Elettrovalvola Electrovalve, Motore Motor, Volts-Hz, Kg, Lbs. It lists various model specifications for the heater.

PACKAGING table with 5 columns: PEZZI PER PALLET / PIECES EACH PALLET, CM, IN, KG, LBS. It shows packaging dimensions for 1 and 4 units per pallet.

DIMENSIONI / DIMENSIONS



NOTE / NOTES

Caldaie con pressioni o portata diversa su richiesta
On demand heaters 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



PORTATA
FLOW RATE

30 lt/min
7.9 gpm



PRESSIONE MINIMA
MIN PRESSURE

3 Bar
43.51 Psi



PRESSIONE MASSIMA
MAX PRESSURE

500 Bar
7251.89 Psi



RENDIMENTO
PERFORMANCE

110.000 Kcal/h
436.000 BTU → **128 Kw**



CONSUMO DIESEL
DIESEL CONSUMPTION

9.45 lt/h

Consumo stimato calcolato alla
pressione del gasolio di 12 bar
*Estimated consumption calculated
at the diesel pressure of 12 bar*



NOTE / NOTES



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

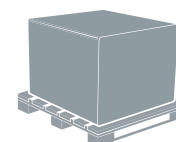
NOTE / NOTES

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*

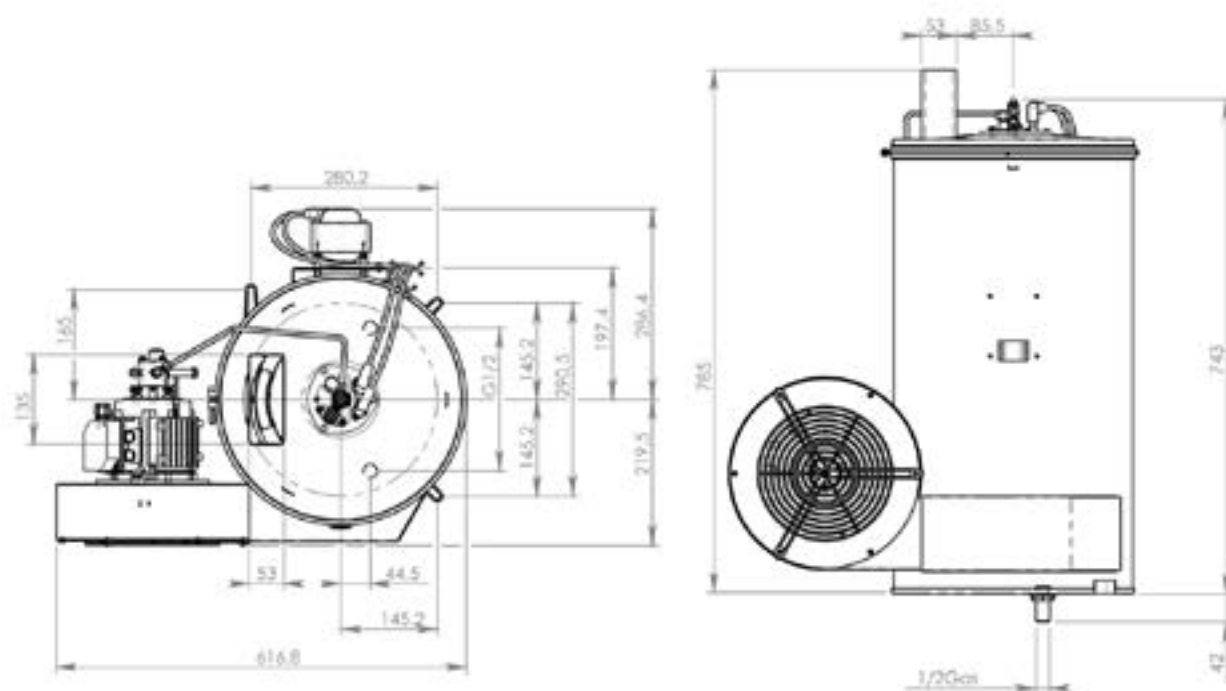
Codice <i>Code</i>	Bar	Psi	Lt/min	Gpm	Serpentina / <i>Coil</i>				Ugello	Elettrovalvola <i>Electrovalve</i>	Motore	Peso netto	
					m	ft	Tubo / <i>Pipe</i>		Diesel		Volts-Hz	Kg	Lbs
							Spessore / <i>Thickness</i>	Ø	Diesel Nozzle				
3.026.02.016	350	5076.32	30	7.9	38.5	126.3	2.77**	1/2"	2.5	24V AC*	400V (50)	81	178.5
3.026.02.017	350	5076.32	30	7.9	38.5	126.3	2.77**	1/2"	2.5	24V AC*	220V (50)	81	178.5
3.026.02.030	350	5076.32	30	7.9	38.5	126.3	2.77**	1/2"	2.5	12V DC	12V	82	180.7
3.026.02.029	350	5076.32	30	7.9	38.5	126.3	2.77**	1/2"	2.5	24V DC	24V	82	180.7
3.026.02.053	500	7251.89	30	7.9	38.5	126.3	2.77**	1/2"	2.5	24V AC*	400V (50)	81	178.5
3.026.02.047	500	7251.89	30	7.9	38.5	126.3	2.77**	1/2"	2.5	12V DC	12V	82	180.7
3.026.02.051	500	7251.89	30	7.9	38.5	126.3	2.77**	1/2"	2.5	24V DC	24V	82	180.7

PACKAGING



PEZZI PER PALLET / <i>PIECES EACH PALLET</i>	CM	IN	KG	LBS
1	66X80X117	25.9X31.4X46	96	143.3
2	120X80X115	47.2X31.4X45.2	190	451.9

DIMENSIONI / DIMENSIONS





PORTATA
FLOW RATE

40 lt/min
10.56 gpm

PRESSIONE MINIMA
MIN PRESSURE

3 Bar
43.51 Psi

PRESSIONE MASSIMA
MAX PRESSURE

500 Bar
7251.89 Psi

RENDIMENTO
PERFORMANCE

135.000 Kcal/h
536.000 BTU → **128 Kw**

CONSUMO DIESEL
DIESEL CONSUMPTION

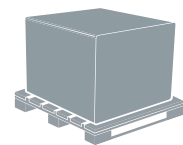
13.23 lt/h

Consumo stimato calcolat alla
pressione del gasolio di 13.5 bar
*Estimated consumption calculated
at the diesel pressure of 13.5 bar*



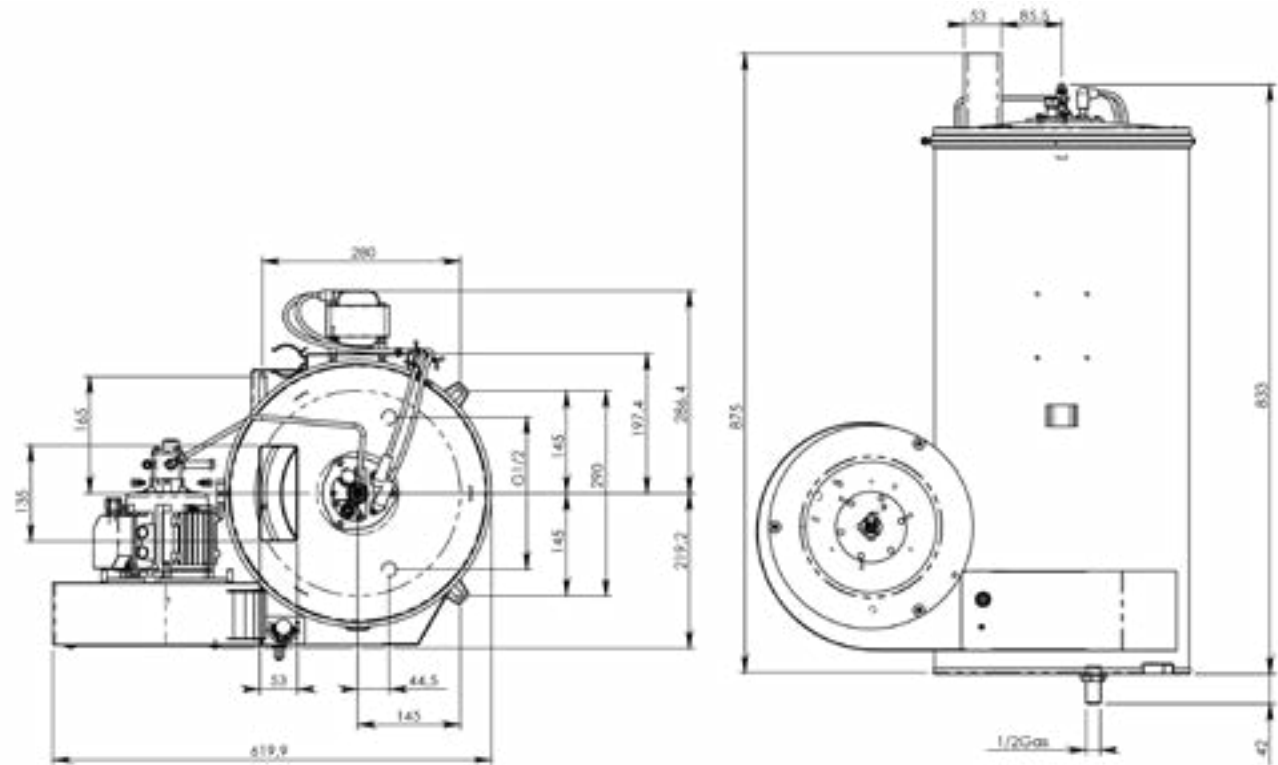
Codice Code	Bar	Psi	Lt/min	Gpm	m	ft	Serpentina / Serpentine		Ugello Diesel Nozzle	Elettrovalvola Electrovalve	Motore Motor Volts-Hz	Peso netto Net weight	
							Tubo / Pipe	Spessore / Thickness				Kg	Lbs
3.026.02.116	500	7251.89	40	10.56	48	157	2.77**	1/2"	3.5	24V AC*	230V (50)	105	230
3.026.02.117	500	7251.89	40	10.56	48	157	2.77**	1/2"	3.5	12V DC	12V	105	230
3.026.02.118	500	7251.89	40	10.56	48	157	2.77**	1/2"	3.5	24V DC	24V	105	230

PACKAGING



PEZZI PER PALLET / PIECES EACH PALLET	CM	INCH	KG	LBS
1	66X80X132	25.9X31.4X51.96	121	267
2	120X80X132	47.2X31.4X51.96	240	527

DIMENSIONI / DIMENSIONS



NOTE / NOTES



Caldaie con pressioni o
portata diversa su richiesta
*On demand heaters
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




PORTATA
FLOW RATE

15 - 40 lt/min
3.9 - 10.5 gpm


PRESSIONE MINIMA
MIN PRESSURE

20 Bar
290.07 Psi


PRESSIONE MASSIMA
MAX PRESSURE

500 BAR
7251.89 psi



OPTIONAL - Quadro elettrico con termostato digitale
OPTIONAL - Electrical box with digital thermostat

Codice Code	Bar	Psi	Lt/min	Gpm			Serpentina / Coil		Ugello Diesel Nozzle	Elettrovalvola Electrovalve	Motore Motor Volts-Hz	Peso netto Net weight	
							Tubo / Pipe					Kg	Lbs
					m	ft	Spessore / Thickness	Ø					
3.026.02.037	250	3625.94	15	3.9	24	78.7	2.1	3/8"	1.25	12V DC	12V	48	105.82
3.026.02.066	250	3625.94	15	3.9	24	78.7	2.1	3/8"	1.25	24V DC	24V	48	105.82
3.026.02.067	250	3625.94	15	3.9	24	78.7	2.1	3/8"	1.25	220V AC	220V (50)	47	103.61
3.026.02.068	250	3625.94	20	5.2	35	114	2.6	3/8"	2	220V AC	220V (50)	60	132.27
3.026.02.072	250	3625.94	20	5.2	35	114	2.6	3/8"	2	24V DC	24V	61	134.48
3.026.02.071	250	3625.94	20	5.2	35	114	2.6	3/8"	2	12V DC	12V	61	134.48
3.026.02.062	250	3625.94	25	6.6	35	114	2.6	3/8"	2.25	220V AC	220V (50)	62	136.68
3.026.02.045	250	3625.94	25	6.6	35	114	2.6	3/8"	2.25	24V DC	24V	61	134.48
3.026.02.040	250	3625.94	25	6.6	35	114	2.6	3/8"	2.25	12V DC	12V	61	134.48
3.026.02.065	350	5076.32	25	6.6	35	114	2.77 **	3/8"	2.25	220V AC	220V (50)	62	136.68
3.026.02.063	350	5076.32	25	6.6	35	114	2.77 **	3/8"	2.25	24V DC	24V	61	134.48
3.026.02.064	350	5076.32	25	6.6	35	114	2.77 **	3/8"	2.25	12V DC	12V	61	134.48
3.026.02.042	350	5076.32	30	7.9	38.5	126	2.77 **	1/2"	2.5	12V DC	12V	85	187.39
3.026.02.043	350	5076.32	30	7.9	38.5	126	2.77 **	1/2"	2.5	24V DC	24V	85	187.39
3.026.02.046	350	5076.32	30	7.9	38.5	126	2.77 **	1/2"	2.5	220V AC	220V (50)	84	185.18
3.026.02.076	500	7251.89	20	5.2	35	114	2.6	3/8"	2.25	24V AC*	220V (50)	60	132.27
3.026.02.049	500	7251.89	30	7.9	38.5	126	2.77**	1/2"	2.5	12V DC	12V	85	187.39
3.026.02.050	500	7251.89	30	7.9	38.5	126	2.77 **	1/2"	2.5	24V DC	24V	85	187.39
3.026.02.073	500	7251.89	30	7.9	38.5	126	2.77**	1/2"	2.5	220V AC	220V (50)	84	185.18
3.026.02.110	350	5076.32	40	10.56	48	157	2.77**	1/2"	3.5	24V AC*	230V (50)	130	285
3.026.02.111	350	5076.32	40	10.56	48	157	2.77**	1/2"	3.5	12V DC	12V	130	285
3.026.02.112	350	5076.32	40	10.56	48	157	2.77 **	1/2"	3.5	24V DC	24V	130	285
3.026.02.113	500	7251.89	40	10.56	48	157	2.77**	1/2"	3.5	24V AC*	230V (50)	130	285
3.026.02.114	500	7251.89	40	10.56	48	157	2.77 **	1/2"	3.5	12V DC	12V	130	285
3.026.02.115	500	7251.89	40	10.56	48	157	2.77**	1/2"	3.5	24V DC	24V	130	285

RENDIMENTO E CONSUMI / PERFORMANCES AND CONSUMPTION



LT	GAL	KCAL/H	BTU	KW	LT/H
15	3.9	50.000	198.000	53.5	4.73
20	5.2	80.000	317.000	93	7.56
25	6.6	90.000	357.000	105	8.5
30	7.9	110.000	436.000	128	9.45
40	10.5	135.000	536.000	157	13.23

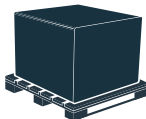
Consumo stimato calcolato alla pressione del gasolio di 10 bar / Estimated consumption calculated at the diesel pressure of 10 bar

INGRESSI E USCITE / IN AND OUT



BAR	PSI	IN	OUT
250 - 350	5076.32	M22 X 1.5"	M22 X 1.5"
500	7251.89	1/2"	1/2"

PACKAGING



MODELLO / MODEL	PEZZI PER PALLET / PIECES EACH PALLET	CM	IN	KG	LBS
SMALL/MEDIUM	3	120X80X115	47.2X31.5X45.2	265	584
BIG/MAXI	2	120X80X132	47.2X31.5X52	247	544

NOTE / NOTES



Caldie con pressioni o portata diversa su richiesta
On demand heaters 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



Q CARATTERISTICHE DEL QUADRO ELETTRICO / ELECTRICAL BOX FEATURES



- FLUSSOSTATO E PRESSOSTATO**
FLOWSWITCH AND PRESSURESWITCH
- CONTAORE**
HOUR COUNTER
- CONTROLLO FIAMMA**
FLAME CONTROL
- LIVELLO MANCANZA GASOLIO**
LOW FUEL LEVEL
- TERMOSTATO**
THERMOSTAT

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 contaore.

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.



Convogliatore
Fan and motor

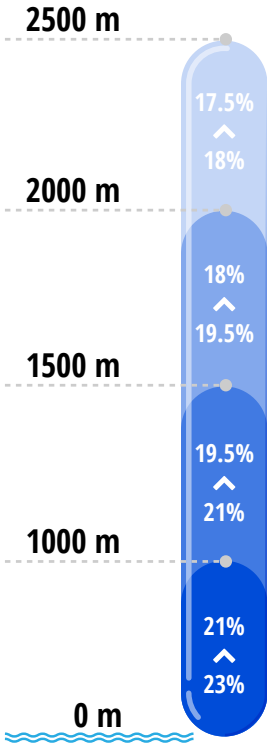


2.100.04.013
Gruppo valvola di sicurezza - Optional per le caldaie da 500 Bar
Safety valve group - Optional for 500 Bar heaters

Tabella di conversione unità di calore
Thermal units conversion table

Per trasformare To convert	Moltiplicare Multiply
kcal/h to Btu	kcal x 3.968
Btu to kcal	Btu x 0.252
kcal/h to kw/h	kcal x 0.001163
kw/h to kcal/h	kw/h x 859.9
cal to J	cal x 4187
J to cal	J x 0.2388

La variazione della combustione in relazione all'altitudine
Diesel's combustion changes related to the altitude



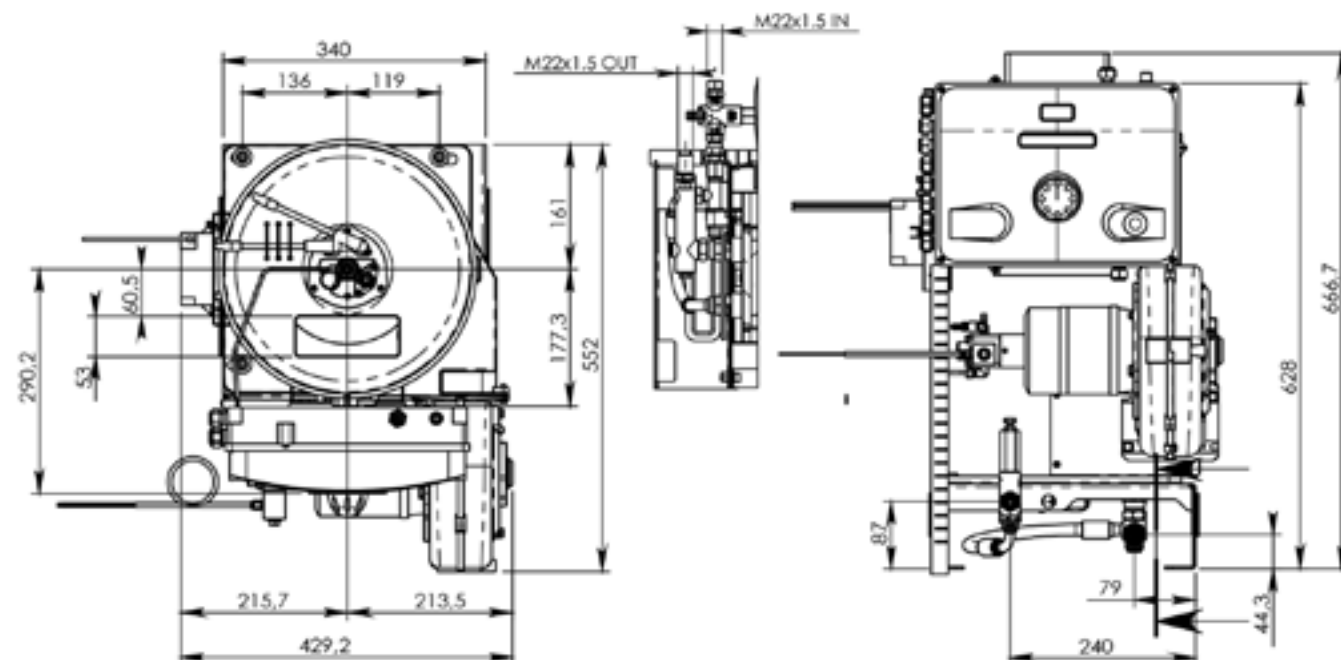
Il motivo della variazione della combustione di una caldaia a gasolio, in relazione all'altitudine, è legato alla diminuzione dell'ossigeno, che si trova in forma gassosa nella percentuale del 21% per ogni metro cubo d'aria a livello del mare, con l'aumentare dell'altitudine diminuisce la percentuale di ossigeno, ciò impoverisce la miscela aria (ossigeno) / combustibile.

- Sintomo**
Emissione di fumo nero dal camino della caldaia.
- Soluzione**
1. Permettere una maggiore entrata d'aria in caldaia
 2. Ridurre il flusso di gasolio cambiando l'ugello del bruciatore con uno di portata inferiore.

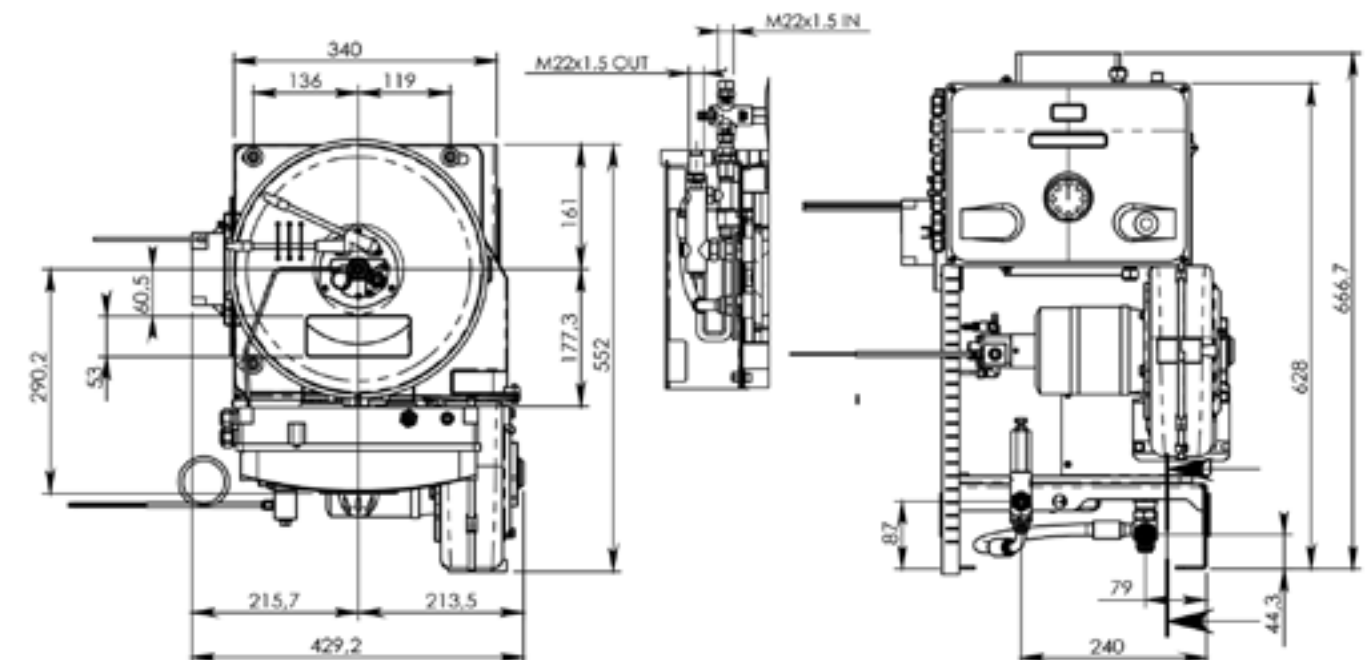
The reason why the combustion of a Diesel oil burner changes with the altitude is related to the amount of oxygen, a gas present in the air in the percentage of 21% for each cubic meter, at sea level; the oxygen decreases its presence with the altitude, so impoverishing the mixture air (oxygen) / fuel.

- Symptoms**
Emission of black smoke from the chimney of the boiler.
- Solution**
1. Inlet a bigger quantity of air into the boiler.
 2. Reduce the Diesel oil flow substituting the burner nozzle with a one with reduced flow.

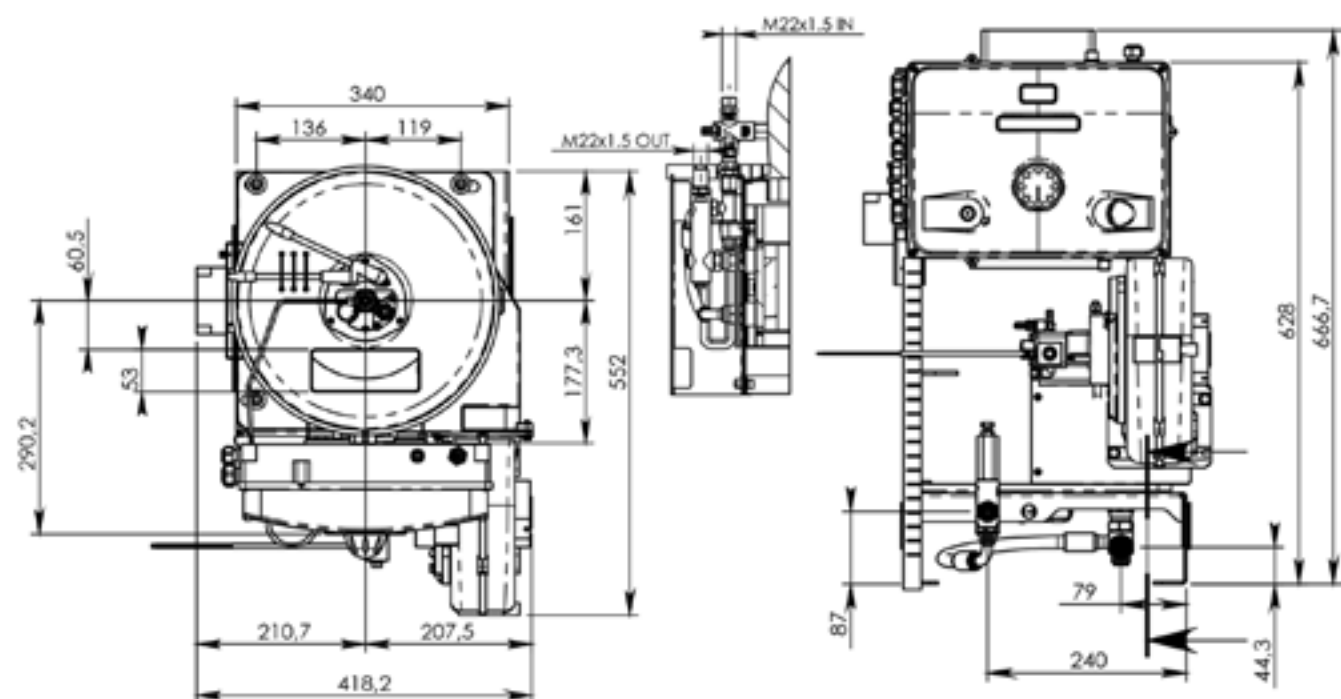
15L 12-24V - DIMENSIONI / DIMENSIONS



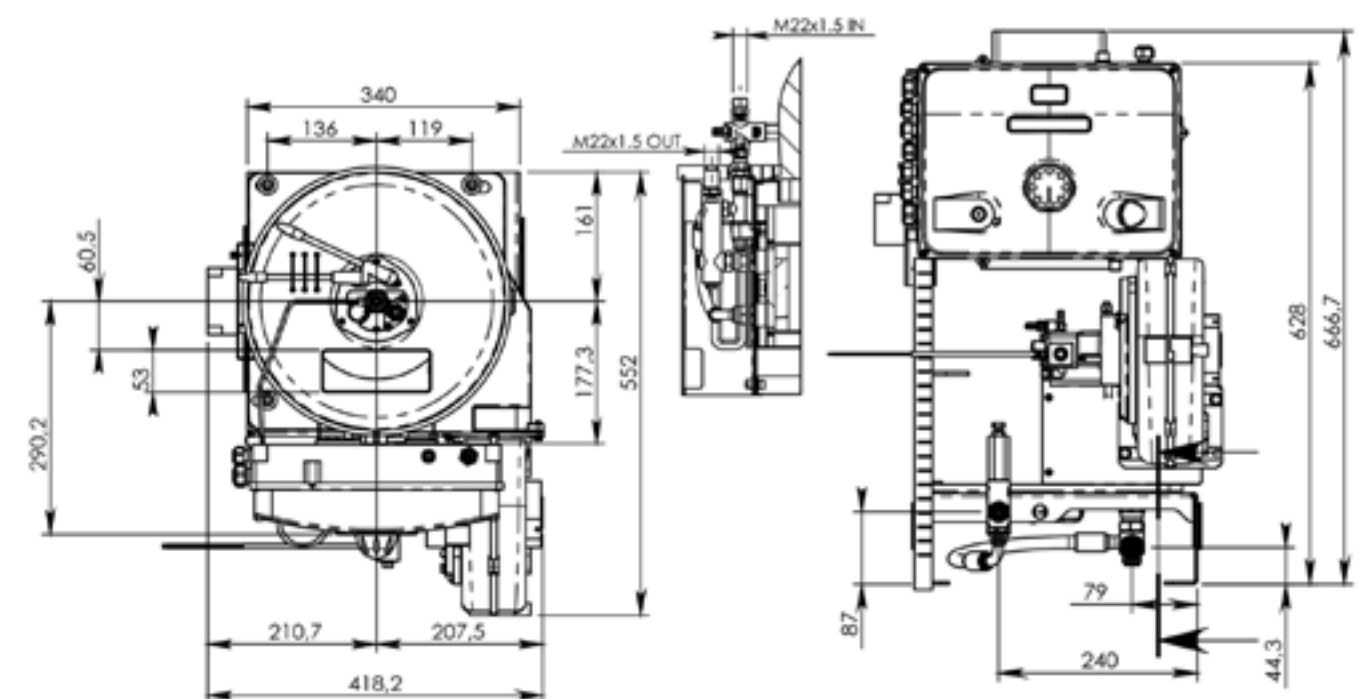
20L 12-24V - DIMENSIONI / DIMENSIONS



15L 230V - DIMENSIONI / DIMENSIONS



20L 230V - DIMENSIONI / DIMENSIONS



DIESEL

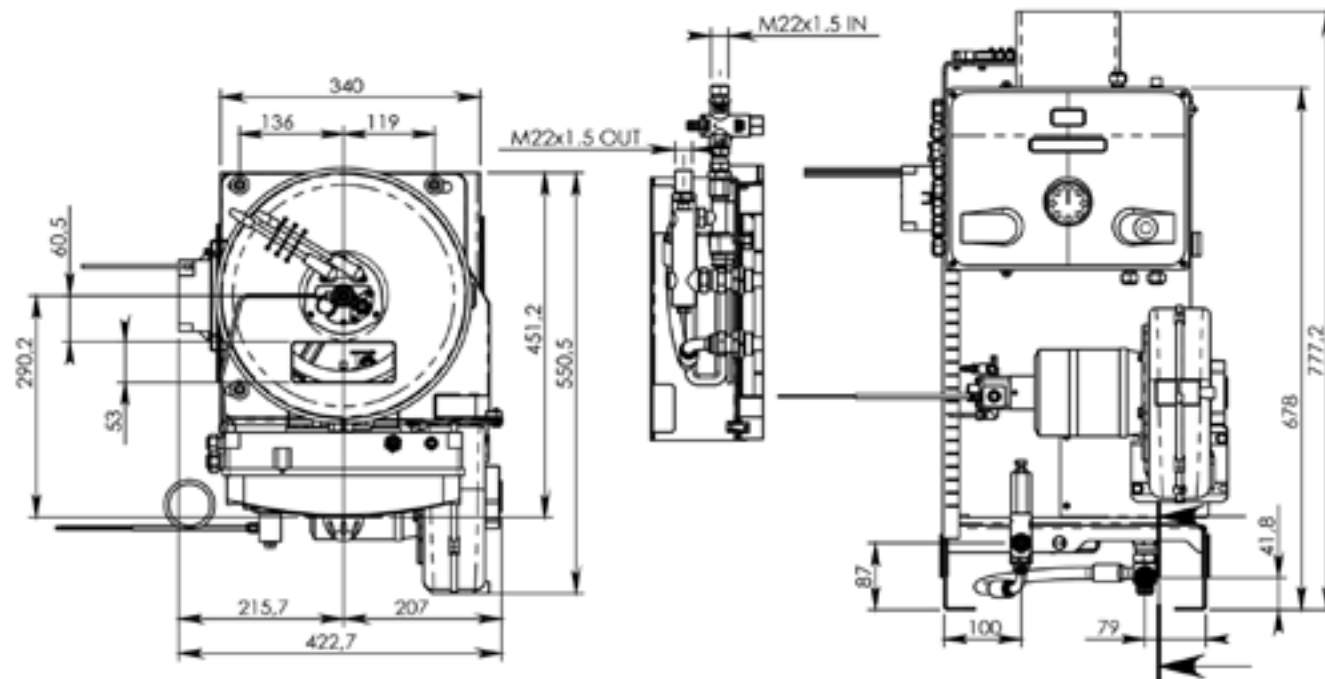
CON QUADRO ELETTRICO / WITH ELECTRICAL BOX



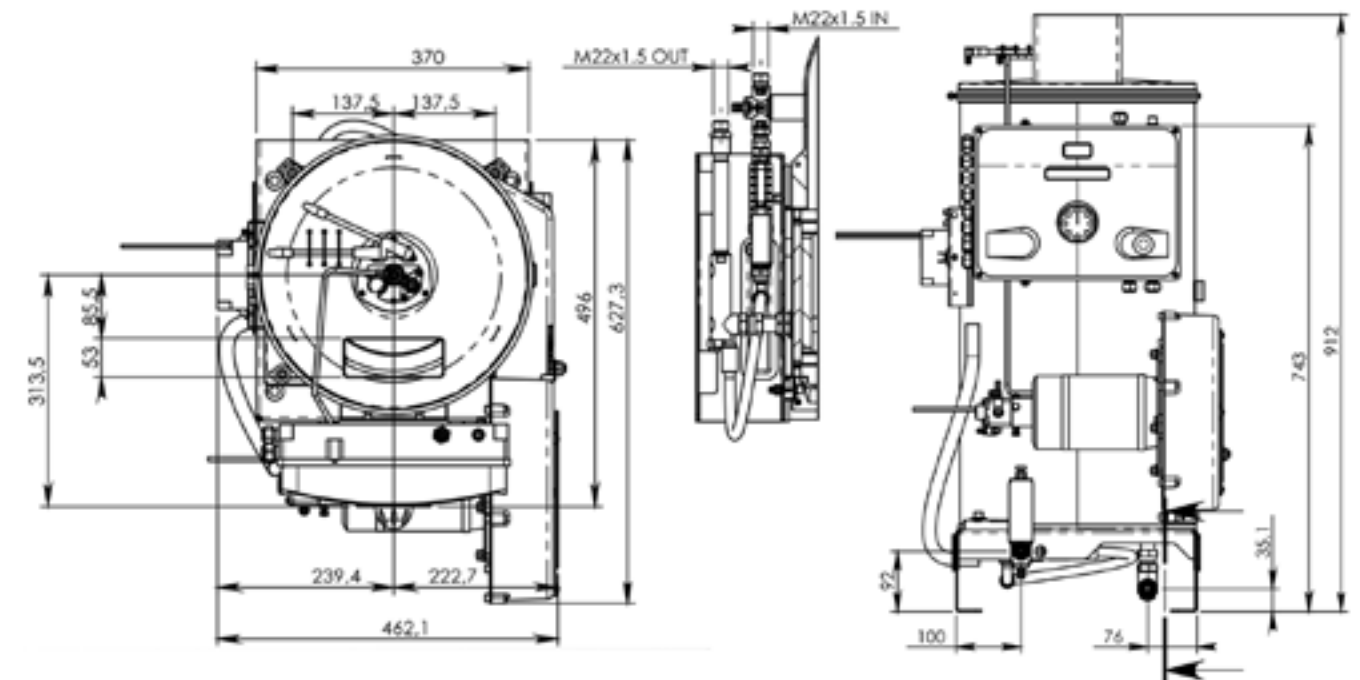
DIESEL

CON QUADRO ELETTRICO / WITH ELECTRICAL BOX

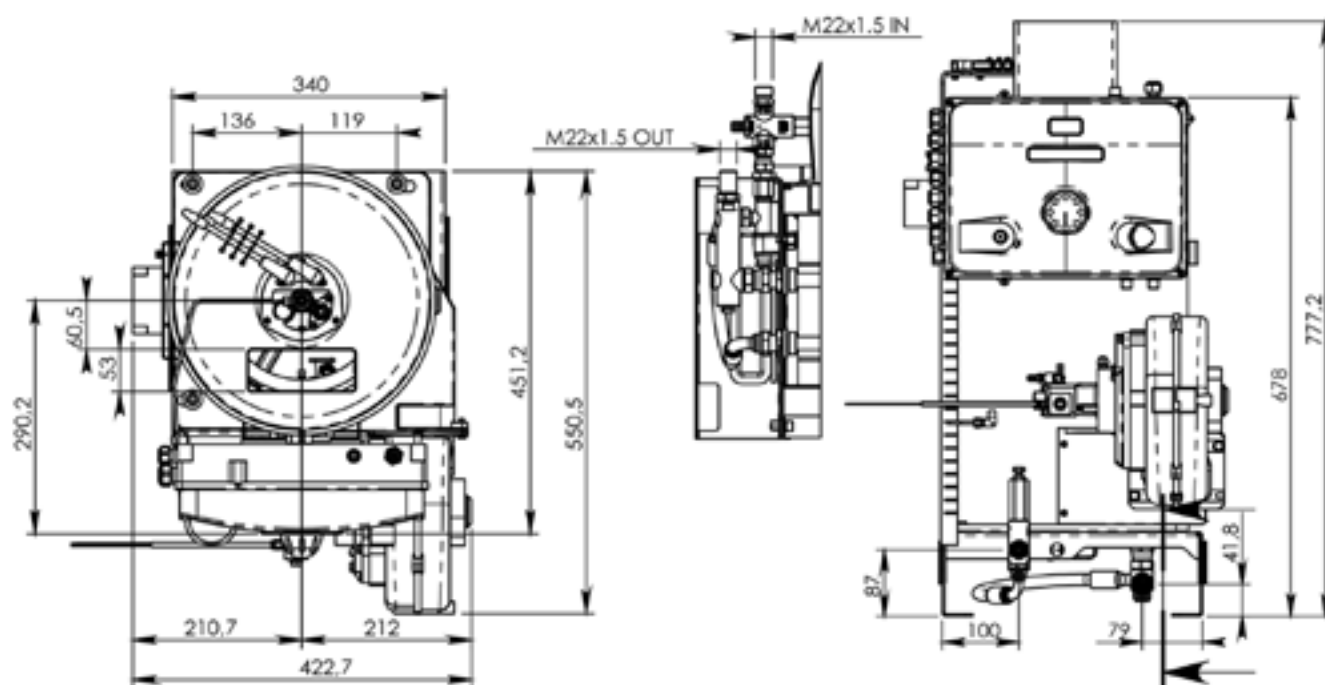
25L 12-24V - DIMENSIONI / DIMENSIONS



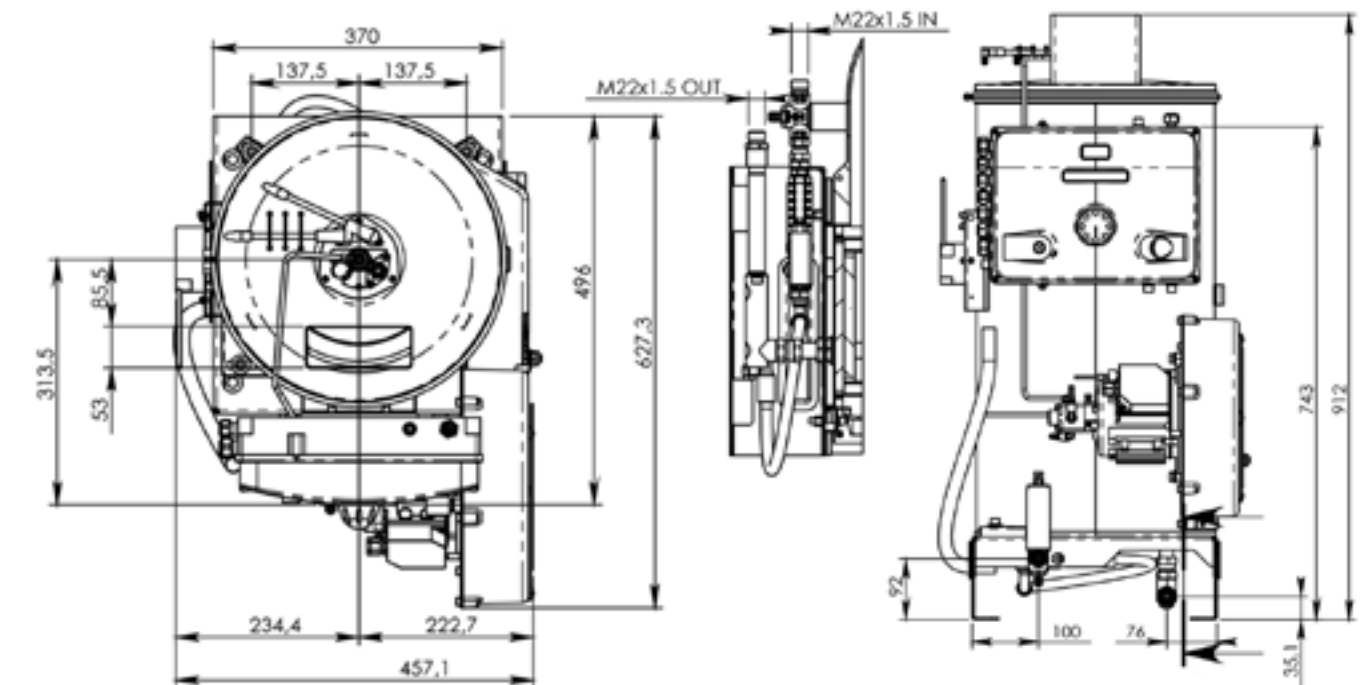
30L 12-24V - DIMENSIONI / DIMENSIONS



25L 230V - DIMENSIONI / DIMENSIONS

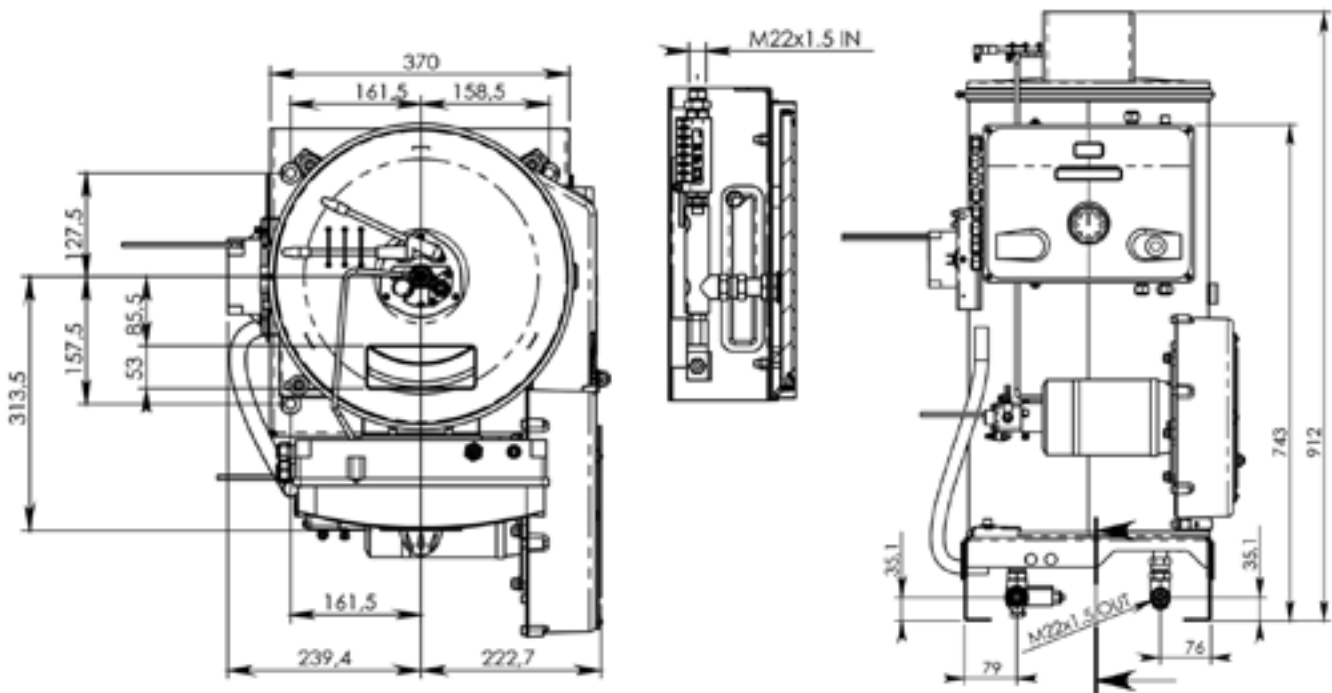


30L 230V - DIMENSIONI / DIMENSIONS

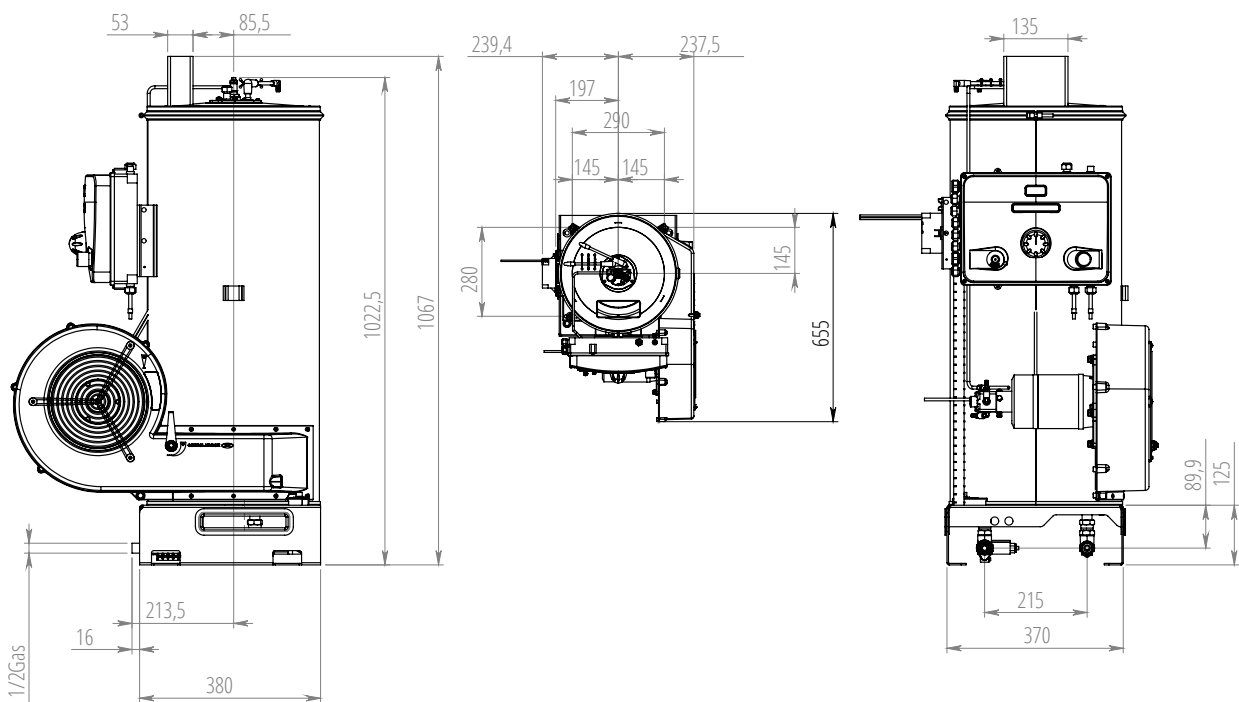




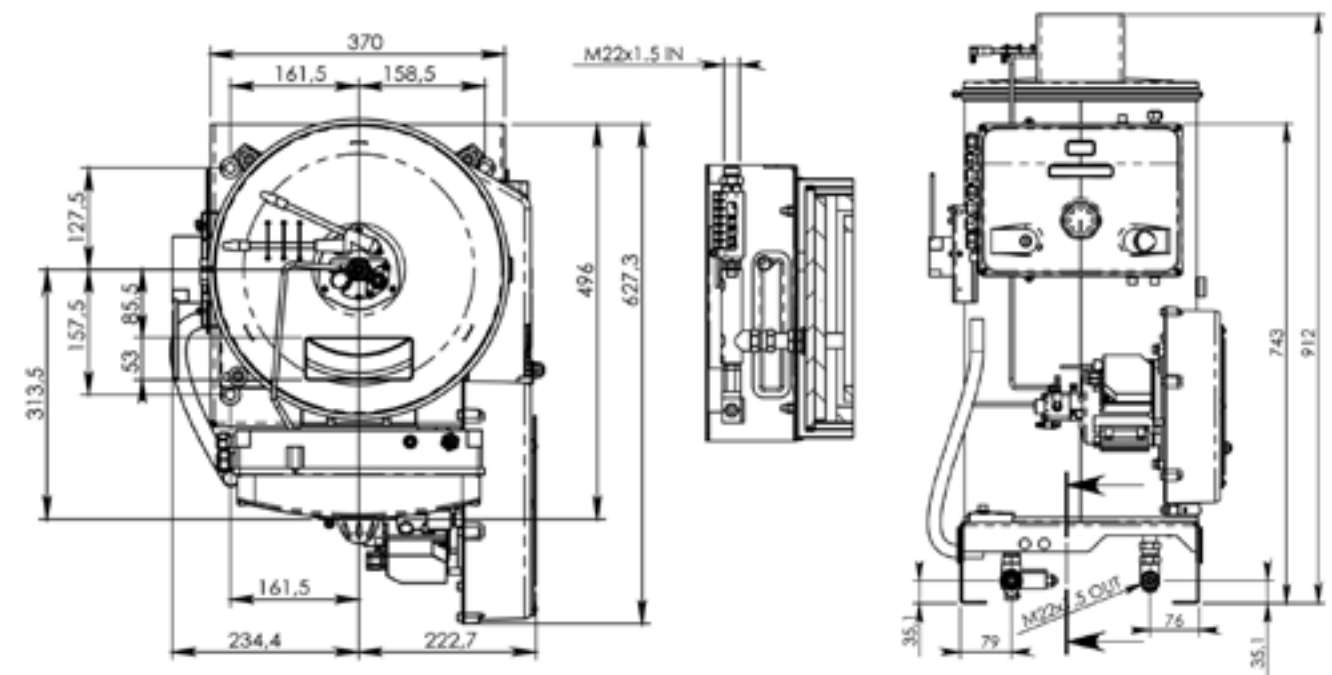
30L 500BAR 12-24V - DIMENSIONI / DIMENSIONS



40L 500BAR 12-24V - DIMENSIONI / DIMENSIONS



30L 500BAR 230V - DIMENSIONI / DIMENSIONS



ASSORBIMENTO ELETTRICO
ELECTRIC ABSORPTION

DIMENSIONE CALDAIE / HEATERS SIZE											
15 LT			20 - 25 LT			30 LT			40 LT		
12 V	28 Amps 230 Watt	8 Amps 80 W	1 Amps	28 Amps 230 Watt	8 Amps 80 W	1 Amps	53 Amps 500 Watt	8 Amps 80 W	1 Amps	53 Amps 500 Watt	8 Amps 80 W
24 V	12 Amps 230 Watt	3.5 Amps 80 W	1 Amps	12 Amps 230 Watt	3.5 Amps 80 W	1 Amps	25 Amps 500 Watt	3.5 Amps 80 W	1 Amps	25 Amps 500 Watt	3.5 Amps 80 W
230 V	1.2 Amps	0.16 Amps	1 Amps	1.2 Amps	0.16 Amps	1 Amps	2.4 Amps	0.16 Amps	1 Amps	2.5 Amps	0.16 Amps
400 V	0.7 Amps	0.7 Amps	1 Amps	0.7 Amps	0.6 Amps	1 Amps	1.2 Amps	0.6 Amps	1 Amps	1.3 Amps	0.6 Amps

LEGENDA / LEGEND



VENTILATORE
FAN MOTOR



TRASFORMATORE ALTA TENSIONE
HIGH TENSION TRANSFORMER



QUADRO ELETTRICO
ELECTRICAL BOX



PORTATA
FLOW RATE

15 - 30 lt/min
3.9 - 7.9 gpm



PRESSIONE MINIMA
MIN PRESSURE

20 Bar
290.07 Psi



PRESSIONE MASSIMA
MAX PRESSURE

250 Bar
3625.94 Psi



ALIMENTAZIONE A GPL / LPG SUPPLY

Codice Code	Dimensioni Dimensions	Bar	Psi	Lt/min	Gpm	Volts-Hz	°C	Ingresso Gas Gas Inlet	Peso netto Net weight
3.026.04.043	Piccola / Small	250	3625.94	15	3.9	230(50)	65°(ΔT a 0°C)	25÷100 mbar	47 kg
3.026.04.039	Media / Medium	250	3625.94	21	5.5	230(50)	55°(ΔT a 0°C)	25÷100 mbar	60 kg
3.026.04.040	Grande / Large	250	3625.94	30	7.9	230(50)	65°(ΔT a 0°C)	25÷100 mbar	85 kg

PCI GPL / LHV LPG = 25.000 Kcal/Nm³



ALIMENTAZIONE A METANO / METHANE SUPPLY

Codice Code	Dimensioni Dimensions	Bar	Psi	Lt/min	Gpm	Volts-Hz	°C	Ingresso Gas Gas Inlet	Peso netto Net weight
3.026.04.044	Piccola / Small	250	3625.94	15	3.9	230 (50)	60° (ΔT a 0°C)	25÷100 mbar	47 kg
3.026.04.045	Media / Medium	250	3625.94	21	5.5	230 (50)	50° (ΔT a 0°C)	25÷100 mbar	60 kg
3.026.04.046	Grande / Large	250	3625.94	30	7.9	230 (50)	60° (ΔT a 0°C)	25÷100 mbar	85 kg

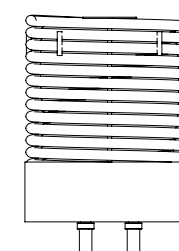
PCI METANO / LHV METHANE = 8.400 Kcal/Nm³

RENDIMENTO E CONSUMI / PERFORMANCES AND CONSUMPTION



GPL / LPG						METANO / METHANE			
LT	GAL	KCAL/H	BTU	KW	NM ³ /H	KCAL/H	BTU	KW	NM ³ /H
15	3.9	55.000	218.000	103	3.5	50.000	198.000	102	10.5
21	5.5	96.000	380.000	112	3.9	92.000	365.000	107	11
30	7.9	117.000	464.000	134	4.6	115.000	456.000	124	14

SERPENTINA / COIL



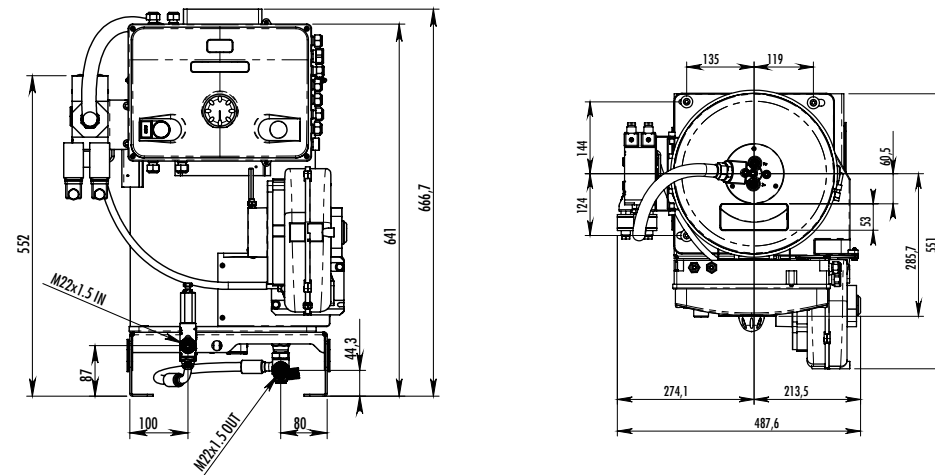
Dimensioni Dimensions	m	ft	Tubo / Pipe	
			Spessore / Thickness	Ø
Piccola / Small	24	78.7	2.1 mm	3/8"
Media / Medium	35	114	2.6 mm	3/8"
Grande / Large	38.5	126	2.77 mm	1/2"



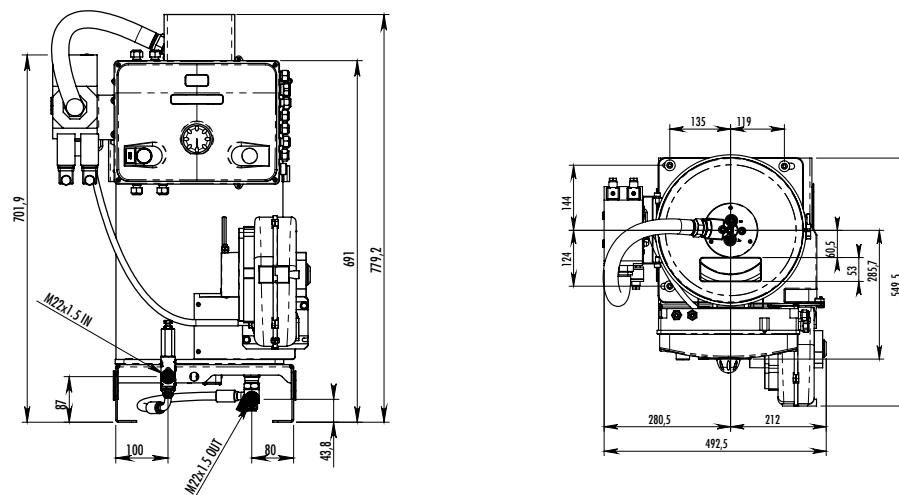
QUADRO ELETTRICO / ELECTRICAL BOX

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

15L 250BAR 230V - DIMENSIONI / DIMENSIONS



21L 250BAR 230V - DIMENSIONI / DIMENSIONS



30L 250BAR 230V - DIMENSIONI / DIMENSIONS

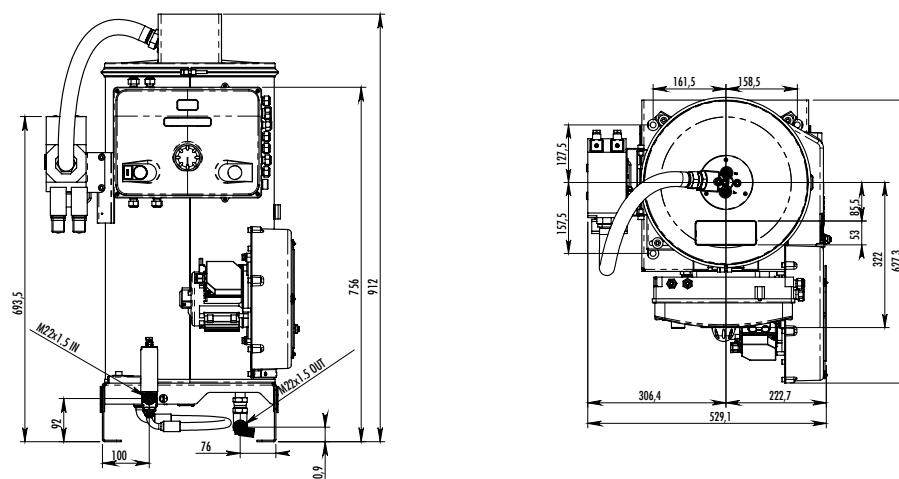


Tabella del potere calorifico inferiore dei combustibili in kcal/Btu Table of low calorific power of fuels in kcal/Btu

Combustibile Fuel	Potere calorifico inferiore / Inferior calorific power			
	kcal/kg	Btu/lb	kcal/m ³	Btu/ft ³
Gasolio / Diesel	10210	18375	-	-
Metano / Methane	-	-	8400	950
GPL / LPG	-	-	25000	2830

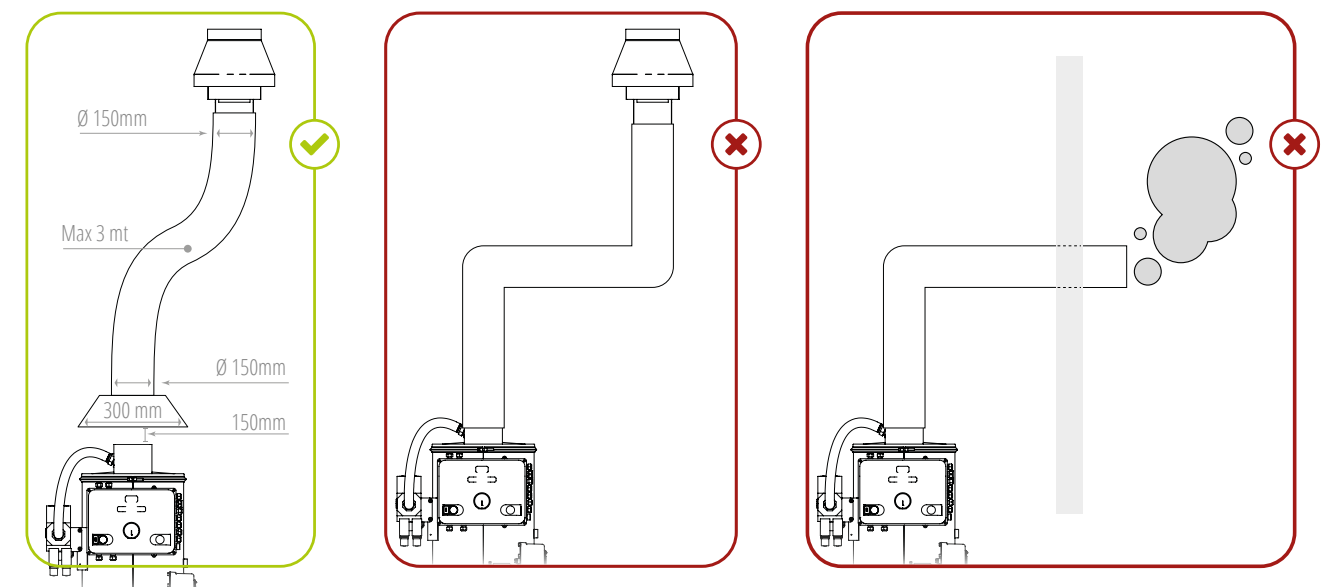
Durezza dell'acqua Hardness of water

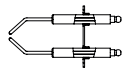
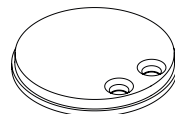
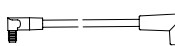
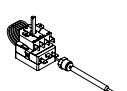
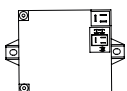
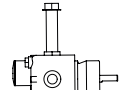
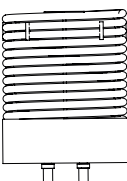
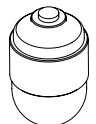
Per evitare l'ostruzione della serpentina, si raccomanda di misurare la durezza dell'acqua alla presa dove la caldaia sarà collegata. In caso di durezza superiore a 16 gradi francesi, si consiglia di installare un dosatore di polifosfati.

In order to avoid the obstruction of the coil, it is recommended to measure the hardness of water at the tap where the hot water machine will be connected, in case of hardness superior to 16 French degrees we advise to install a water softener.

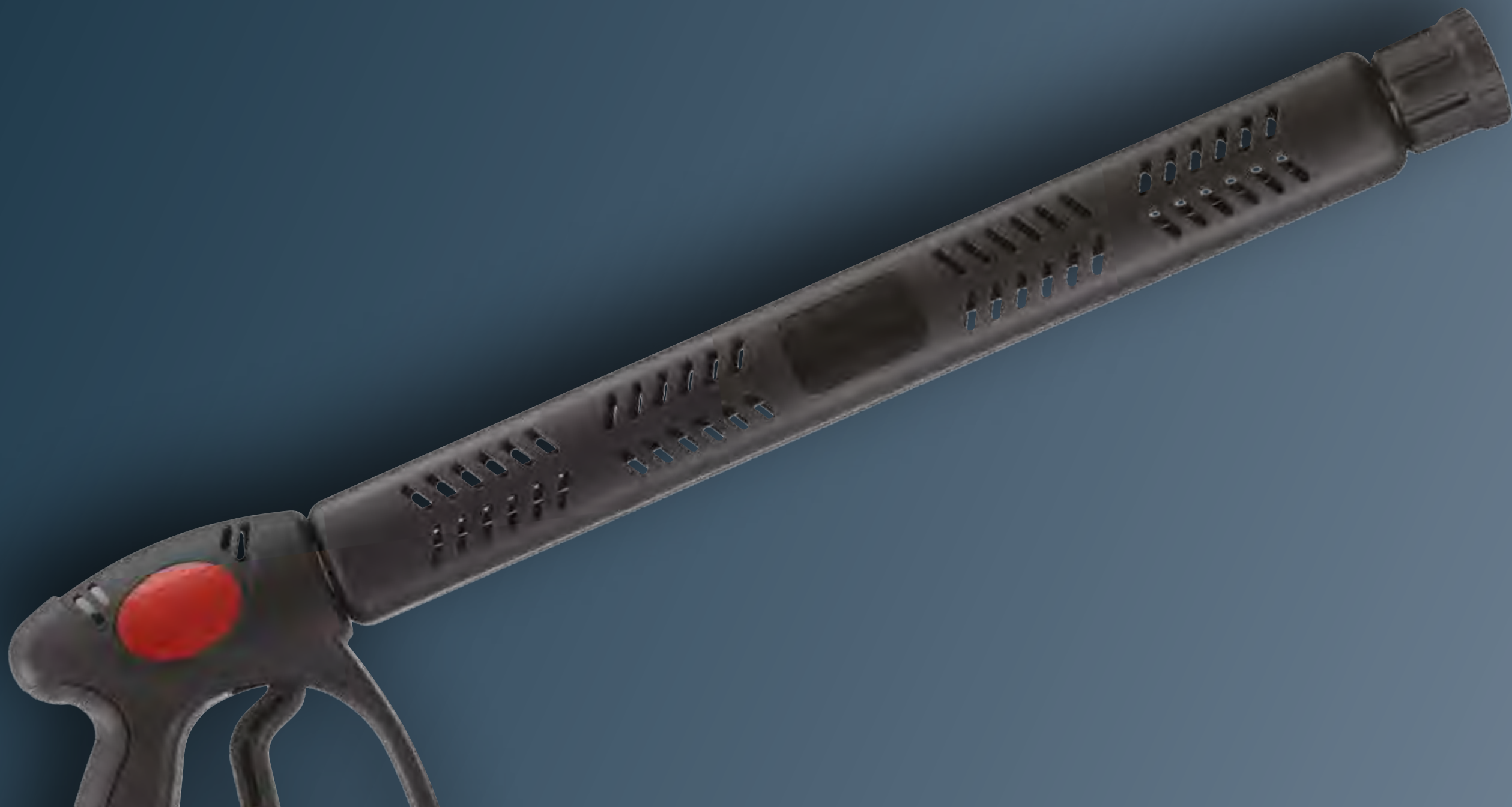
Tavola di conversione / Conversion table			
Classificazione Classification	Gradi francesi French degrees	g/m ³ (ppm)	Gradi tedeschi German degrees
Leggero / Light*	1 - 8	10 - 80	0.56 - 4.47
Media / Medium	12 - 20	120 - 200	6.71 - 11.18
Dura / Hard	24 - 32	240 - 320	13.42 - 17.89
Molto dura / Very hard	36 - 40	360 - 400	20.13 - 22.36

Connessione camino Chimney connection



Codice Code	Descrizione Description	CALDAIE DIESEL / DIESEL HEATERS				CALDAIE A GAS / GAS HEATERS		
		SMALL	MEDIUM	BIG	MAXI	SMALL	MEDIUM	BIG
	2.032.04.004 Elettrodi per diesel / Diesel electrodes	✓	✓	✓	✓			
	2.032.04.006 Elettrodi per GPL / LPG electrodes					✓	✓	✓
	2.032.04.007 Elettrodi per metano / Methan electrodes					✓	✓	✓
	1.094.04.005 Isolante / Insulator	✓	✓			✓	✓	
	1.094.04.013 Isolante / Insulator			✓	✓			✓
	2.020.04.035 Cavi elettrodi 12V-24V-230V / Electrodes Cable 12V-24V-230V	✓	✓	✓	✓			
	2.020.04.012 Cavi elettrodi 400V / Electrodes Cable 400V	✓	✓					
	2.020.04.075 Cavi elettrodi 400V / Electrodes Cable 400V			✓				
	2.020.04.104 Cavi elettrodi gas accensione / Electrodes Cable Gas Switch on					✓	✓	✓
	2.020.04.103 Cavi elettrodi gas/ Electrodes Cable Gas					✓	✓	✓
	4.031.04.003 Termostato / Thermostat	✓	✓	✓	✓	✓	✓	✓
	4.030.04.007 Trasformatore 12V / Transformer 12V	✓	✓	✓	✓			
	4.030.04.010 Trasformatore 230V / Transformer 230V	✓	✓	✓				
	4.030.04.022 rasformatore 230V / Transformer 230V				✓			
	4.030.04.016 Trasformatore 24V / Transformer 24V	✓	✓	✓	✓			
	4.030.04.001 Trasformatore 400V / Transformer 400V	✓	✓	✓	✓			
	3.015.24.008 Pompa gasolio 230/400V/12/24V / Diesel pump 230/400V/12/24V			✓				
	3.015.24.007 Pompa gasolio 230/400V / Diesel pump 230/400V	✓	✓					
	3.015.24.012 Pompa gasolio 12/24V / Diesel pump 12/24V	✓	✓					
	3.015.24.014 Pompa gasolio 230/400V/12/24V / Diesel pump 230/400V/12/24V				✓			
	2.029.04.014 Serpentina 250 Bar / Coil 250 Bar	✓				✓		
	2.029.04.008 Serpentina 250 Bar / Coil 250 Bar		✓				✓	
	2.029.04.010 Serpentina 500 Bar / Coil 500 Bar			✓				✓
	2.029.04.024 Serpentina con anello di centraggio 250 Bar Coil with centering ring 250 Bar	✓				✓		
	2.029.04.028 Serpentina con anello di centraggio 350 Bar Coil with centering ring 350 Bar		✓				✓	
	2.029.04.021 Serpentina con anello di centraggio 250 Bar Coil with centering ring 250 Bar			✓				✓
	2.029.04.022 Serpentina con anello di centraggio 250 Bar Coil with centering ring 250 Bar				✓			
	1.098.02.001 Giunto pompa gasolio / Diesel pump coupling	✓	✓	12/24V	12/24V			
	1.098.04.004 Giunto pompa gasolio / Diesel pump coupling			230/400V	230/400V			
	3.040.04.002 Accumulatore 300 Bar / Accumulator 300 Bar	✓	✓	✓	✓	✓	✓	✓
	3.040.04.003 Accumulatore 250 Bar INOX / Accumulator 250 Bar INOX	✓	✓	✓	✓	✓	✓	✓
	3.040.04.005 Accumulatore 250 Bar / Accumulator 250 Bar	✓	✓	✓	✓	✓	✓	✓

Codice Code	Descrizione Description	CALDAIE DIESEL / DIESEL HEATERS				CALDAIE A GAS / GAS HEATERS		
		SMALL	MEDIUM	BIG	MAXI	SMALL	MEDIUM	BIG
	4.027.14.007 Ugello / Nozzle 0.60 USGH 60° 9/16 UNEF							
	4.027.14.004 Ugello / Nozzle 1 USGH 60° 9/16 UNEF							
	4.027.14.005 Ugello / Nozzle 1.25 USGH 60° 9/16 UNEF	✓						
	4.027.14.002 Ugello / Nozzle 1.50 USGH 60° 9/16 UNEF							
	4.027.14.015 Ugello / Nozzle 1.65 USGH 60° 9/16 UNEF							
	4.027.14.011 Ugello / Nozzle 2 USGH 60° 9/16 UNEF 20L		✓					
	4.027.14.012 Ugello / Nozzle 2.25 USGH 60° 9/16 UNEF 25L		✓					
	4.027.14.018 Ugello / Nozzle 2.5 USGH 60° 9/16 UNEF			✓				
	4.027.14.022 Ugello / Nozzle 3.5 USGH 60° 9/16 UNEF				✓			
	3.060.04.001 Anticalcare 25L / Antiscale liquid 25L	✓	✓	✓	✓	✓	✓	✓
	4.085.04.001T Anticalcare 1L / Antiscale liquid 1L	✓	✓	✓	✓	✓	✓	✓
	1.018.02.006 L103xW55xH190mm CAMINI / CHIMNEY EXTENTION Wind Protection	✓	✓			✓	✓	
	1.018.02.007 L74xW74xH150mm CAMINI / CHIMNEY EXTENTION Wind Protection	✓	✓			✓	✓	
	1.018.02.008 L138xW54xH230mm CAMINI / CHIMNEY EXTENTION Wind Protection	✓	✓			✓	✓	
	3.037.02.006 H240mm ø 197 CAMINI Venturi / CHIMNEY EXTENTION Venturi			✓				✓
	3.037.02.002 H416mm ø 123 CAMINI Venturi / CHIMNEY EXTENTION Venturi	✓	✓			✓	✓	
	3.037.02.007 L194xW109xH375mm CAMINI / CHIMNEY EXTENTION Wind Protection			✓				✓
	3.054.04.002 FLUSSOSTATO 3/8"-1/4" WATER FLOW SWITCH	✓	✓			✓	✓	✓
	3.054.04.003 FLUSSOSTATO FL7 3/8"G-FF SONTA PLAST. WATER FLOW SWITCH			✓				✓
	3.054.04.004 FLUSSOSTATO FL7 INOX 50MPA WATER FLOW SWITCH				✓			
	3.030.02.007 LOVELLOSTATO GASOLIO FUEL LEVEL SWITCH	✓	✓	✓	✓			
	9.022.02.001 SONTA MAZZONI 220V E 400V CONTROLLO FIAMMA "MAGIC EYE" / "Magic Eye" Flame control sensor 220V/400V	✓	✓	✓	✓			
	9.021.02.003 KIT 12V CONTROLLO FIAMMA BRAHMA / 12V KIT FLAME CONTROL BRAHMA	✓	✓	✓	✓			
	9.021.02.004 KIT 24V CONTROLLO FIAMMA BRAHMA / 24V KIT FLAME CONTROL BRAHMA	✓	✓	✓	✓			
	9.021.02.005 KIT 220V CONTROLLO FIAMMA BRAHMA / 220V KIT FLAME CONTROL BRAHMA	✓	✓	✓	✓			
I kit controllo fiamma vengono forniti completi di istruzioni di montaggio. Per montarli sarà necessario forare la flangia del deflettore. The flame control kits are supplied complete with assembly instructions. To mount them, it will be necessary to drill the baffle flange.								
	9.021.04.020 KIT RICAMBIO SCHEDA ELETTRONICA PER CALDAIE E FIREBOX / REPLACEMENT KIT ELECTRONIC CARD FOR BOILER AND FIREBOX 12/24V	✓	✓	✓	✓			
	9.021.04.022 KIT RICAMBIO SCHEDA ELETTRONICA PER CALDAIE E FIREBOX / REPLACEMENT KIT ELECTRONIC CARD FOR BOILER AND FIREBOX 230V	✓	✓	✓	✓			
	9.021.04.021 KIT RICAMBIO SCHEDA ELETTRONICA PER CALDAIE E FIREBOX / REPLACEMENT KIT ELECTRONIC CARD FOR BOILER AND FIREBOX 400V	✓	✓	✓	✓			
	9.SPZ3012 SPAZZOLE-CARBONCINI MOTORE 12V-24V / MOTOR BRUSHES 12V-24V	✓	✓					
	9.SPZ3011 SPAZZOLE-CARBONCINI MOTORE 12V-24V / MOTOR BRUSHES 12V-24V			✓	✓			



AVVOLGITUBO
HOSE REEL



126



TUBI ALTA PRESSIONE
HIGH PRESSURE HOSE

126



PISTOLE
GUNS

127



LANCE
LANCES

127



VALVOLE DI SICUREZZA
SAFETY VALVES

128



VALVOLE BYPASS
BYPASS VALVES

128



UGELLI ALTA PRESSIONE
HIGH PRESSURE NOZZLES

129



MANOMETRI
PRESSURE GAUGES

129



RACCORDI E FILTRI
FITTINGS AND FILTERS

129

AVVOLGITUBO E TUBI ALTA PRESSIONE

HOSE REEL AND HIGH PRESSURE HOSES

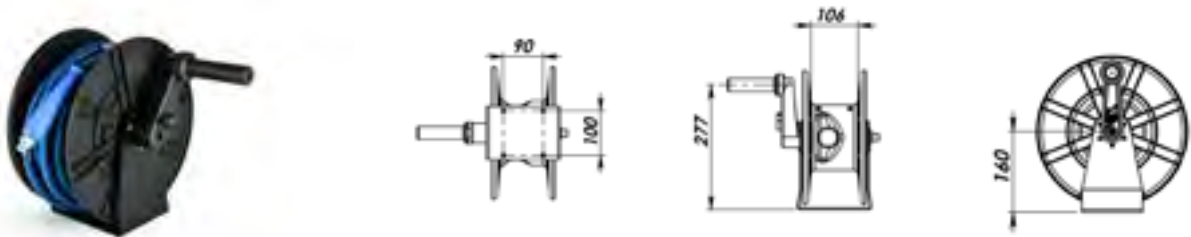


PISTOLE E LANCE

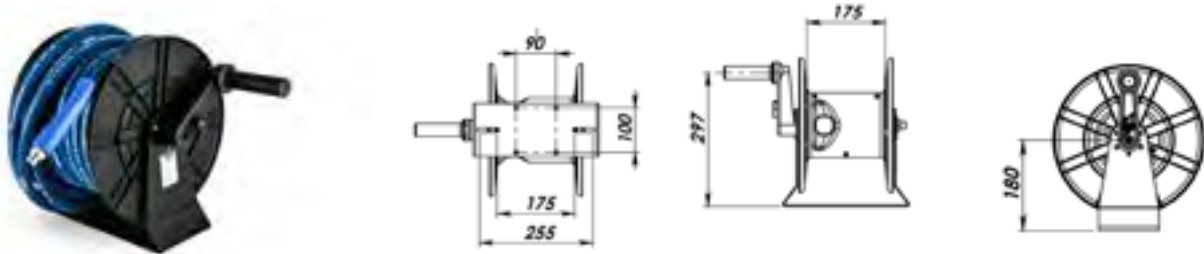
GUNS AND LANCES

Avvolgitubo fornito senza tubi alta pressione / Hose reel supplied without high pressure hose

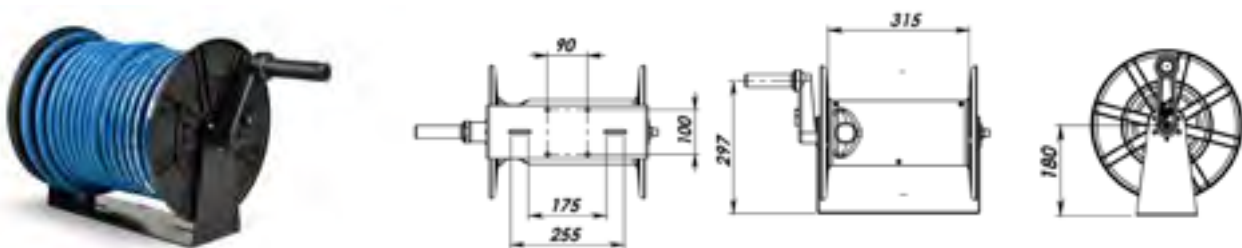
AVVOLGITUBO PICCOLO / SMALL HOSE REEL



AVVOLGITUBO MEDIO / MEDIUM HOSE REEL



AVVOLGITUBO GRANDE / BIG HOSE REEL



Codice Code	Posizione Position	Tubo Hose	Descrizione Description
3.048.04.004-1	1	Max 40mt	AVVOLGITUBO / HOSE REEL 3/8" M-M
3.048.04.006-1	2	Max 20mt	AVVOLGITUBO / HOSE REEL 3/8" M-M
3.048.04.007-1	3	Max 10mt	AVVOLGITUBO / HOSE REEL 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" F
Out	G1/4" F



PISTOLA GUN	
Codice/Code	3.018.22.009
Pressione / Pressure	500 Bar
Portata / Flow rate	30 l/min
In	G3/8" 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" F
Out	M22x1.5 - F Ø 14



PISTOLA CON IMPUGNATURA GUN WITH EXTENSION		
Codice/Code	3.021.22.007	3.021.22.008
Pressione / Pressure	280 Bar	310 Bar
Portata / Flow rate	30 l/min	40 l/min
In	SW G3/8" F	SW G3/8" F
Out	M22x1.5 - F Ø 14	M22x1.5 - F Ø 14

LANCE SENZA UGELLO

LANCES WITHOUT NOZZLES



Codice Code	Lung. Lenght	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



TESTINA 4 FUNZIONI 4 FUNCTION HEAD			
Codice Code	Lunghezza Lenght	IN	OUT
3.020.22.034	500 mm	M22 x1,5 mm	1/4"NPT-F



TESTINA REGOLABILE ADJUSTABLE HEAD			
Codice Code	Lunghezza Lenght	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

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



VALVOLE DI SICUREZZA / SAFETY VALVES

Codice / Code	3.003.22.002	3.003.22.005	3.003.22.006	3.003.22.007	3.003.24.002
Pressione / Pressure	300 Bar - 4350 Psi	300 Bar - 4350 Psi	400 Bar - 5800 Psi	400 Bar - 5800 Psi	560 Bar - 8100 Psi
Portata / Flow rate	Max: 40 l/min	Max: 40 l/min	Max: 40 l/min	Max: 40 l/min	Max: 100 l/min
IN	3/8" GAS F	3/8" GAS M	3/8" GAS F	3/8" GAS M	G1/2F
OUT	3/8" GAS F/F	3/8" GAS M	3/8" GAS F	3/8" GAS M	tecomec
BY PASS	Ø 12	Ø 12	Ø 12	Ø 12	G1/2F

VALVOLE BY PASS / BY PASS VALVES

VALVOLA BY PASS / BY PASS VALVE

Con tenute per alte temperature
With seals for high temperature

Codice/Code	3.003.12.004	3.003.12.017*	3.003.14.007
Pressione / Pressure	150 - 250 Bar (3650 psi max)	150 - 250 Bar (3650 psi max)	500 Bar 7250 Psi
Portata / Flow rate	Max: 35 l/min	Max: 35 l/min	Max: 100 l/min
Foro manometro / Gauge port	G1/4 F	G1/4 F	tecomec
In / Out	3/8" GAS F/F	3/8" GAS F/F	G1/2F
By pass	G 3/8" F	G 3/8" F	G1/2F

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

Codice/Code	3.008.12.055
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 1.5M
By pass	G 3/8" F

VALVOLA BY PASS CON INIETTORE
BY PASS VALVE WITH INJECTOR

Codice/Code	3.008.12.054
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

Con tenute per alte temperature
With seals for high temperature

Codice/Code	3.003.12.024	3.003.12.028*
Pressione / Pressure	250 Bar (3650 psi max)	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

COLORE MOLLA / SPRING COLOR

COLORE MOLLA / SPRING COLOR	BAR	PSI
GIALLO / YELLOW	120	1740
ROSSO / RED	170	2465
BLU / BLUE	250	3625
NERO / BLACK	350	5076

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

UGELLI ALTA PRESSIONE INOX
HIGH PRESSURE NOZZLES STAINLESS STEEL

Codice Code	Ø	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	Ø	Pressione Pressure
4.020.04.001	Radiale Radial	G 1/4	63 400 Bar
4.020.04.005	Radiale Radial	G 1/4	63 600 Bar
4.020.04.006	Radiale Radial	G 1/4	40 300 Bar
4.020.14.002	Frontale Frontal	G 1/4	50 400 Bar
4.020.14.019	Frontale Frontal	G 1/4	70 1000 Bar

RACCORDI IN ENTRATA
QUICK RELEASE COUPLING AND FITTING

Codice/Code	3.012.12.001
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INNESTO RAPIDO PLASTICA 1/2"
PLASTIC QUICK CONNECTION 1/2"

Codice/Code	3.012.12.001
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INNESTO RAPIDO PLASTICA 3/4"
PLASTIC QUICK CONNECTION 3/4"

Codice/Code	3.012.12.010
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FILTRI / FILTERS

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

Codice/Code	3.032.04.007
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FILTRO ESTERNO
CON RETE E SALI
EXTERNAL FILTER
WITH IMPURITY
NET AND SALT
3/4" GAS

Codice/Code	3.032.04.002
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FILTRO MAGNETICO IN ACCIAIO
MAGNETIC ANTISCALE IN STEEL 3/4" G

Codice/Code	3.032.02.008
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FILTRO IN LINEA
G1/2F 50SH
40L/MIN
IN-LINE FILTER
G1/2F 50SH 40L/MIN

Codice/Code	3.032.02.004
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FILTRO OTTONE
"Y" 3/4" G-FF
BRASS FILTER "Y"
3/4" G-FF

Codice/Code	3.032.02.005
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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

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

LT/MIN

CONDIZIONI DI VENDITA

CONDITIONS OF SALES



CONDIZIONI DI VENDITA

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Condizioni di vendita

1) **Ordini.** Mentre l'ordine sottoscritto dal cliente è vincolante per il medesimo, la mazzoni s.r.l. Si riserva la facoltà di non accettarlo, dandone comunicazione scritta al cliente entro 3 giorni dal ricevimento dell'ordine. Gli ordini raccolti tramite agenti, rappresentanti o incaricati della mazzoni s.r.l. Sono sempre subordinati all'insindacabile giudizio della mazzoni s.r.l. Stessa. Di conseguenza, i suddetti ordini potranno considerarsi impegnativi solamente a seguito di una conferma d'ordine scritta della mazzoni s.r.l.

2) **Prezzi.** Salvo espressa deroga, da evidenziare in ordine, i prezzi esposti si intendono per pagamento in contanti, al netto dell'iva di legge, e di eventuali spese per tasse o imposte da considerare a carico del cliente anche se applicate in corso di contratto. I prezzi possono essere oggetto in qualsiasi momento di variazioni da parte della mazzoni s.r.l.

3) **Consegna.** Il termine di consegna espressamente indicato nell'ordine e stabilito alla conclusione del contratto è inteso come termine di spedizione della merce dalla fabbrica. La data di spedizione si intende approssimativa e non vincolante per il venditore in particolare, per ritardi dovuti a cause di forza maggiore. Nel caso in cui mazzoni s.r.l. Non sia in condizione di rispettare la data di spedizione provvederà a darne comunicazione al cliente. Eventuali ritardi nella evasione degli ordini non danno diritto all'acquirente a indennizzi, penali o altri diritti.

4) **Trasporto.** Salvo espressa deroga da evidenziare in ordine, la merce si intende resa franco stabilimento. I costi di trasporto e assicurazione non sono inclusi nei prezzi del presente listino. Ogni costo e rischio derivante dal trasporto della merce da mazzoni s.r.l. Al deposito del cliente è a carico di quest'ultimo. Per le merci trasportate da un corriere i reclami per materiali danneggiati o smarriti possono essere presi in considerazione solo quando sono registrati sul documento del corriere. Prima di firmare il documento del corriere controllare quindi se ci sono danni, controllare il numero dei colli ricevuti e registrare qualsiasi danno o discrepanza sul documento del corriere. Dopo la firma del documento del corriere: controllare tutto il materiale confrontandolo con quello indicato sul documento di trasporto allegato; se necessario telefonare al n. 0522 575156 Per la copia del documento di trasporto; notificare alla mail : info@mazzoni.it qualsiasi danno o discrepanza. Danni e discrepanze possono essere presi in considerazione solo se riportati a mezzo fax o per iscritto entro 2 giorni lavorativi. Per favore aggiungere una copia del nostro documento di trasporto e il vostro nome.

5) **Reclami e contestazioni:** l'acquirente ha l'obbligo di controllare la merce immediatamente dopo averla ricevuta. Trascorsi 8 (otto) giorni dall'arrivo al destinatario, la merce si intende pienamente accettata. Eventuali reclami riguardanti la qualità della merce, sotto pena di decadenza, devono essere inviati per iscritto, mediante mail a info@mazzoni.it entro 8 (otto) giorni dalla data del ricevimento della merce stessa. Nel

caso si tratti di difetti del funzionamento, accertabili solamente mediante utilizzo del prodotto, i termini per inoltrare il reclamo scritto sono di 30 (trenta) giorni dalla data di ricevimento della merce (fa fede il documento di trasporto). Qualora il reclamo venga considerato valido, mazzoni s.r.l. È tenuta solamente alla pura e semplice sostituzione o riparazione della parte , mentre è esclusa ogni altra forma di indennizzo e spese di trasporto.. I reclami per eventuali ritardi o danni imputabili al trasporto, devono essere rivolti al vettore, all'atto della consegna della merce, elevando riserva scritta sullo stesso documento di trasporto che deve essere poi trasmesso urgentemente, in copia, a mazzoni s.r.l.

6) **Resi:** non si accetta merce di ritorno senza preventiva autorizzazione scritta della mazzoni s.r.l. Sul documento di trasporto di restituzione deve essere sempre indicato in modo esauritivo il motivo del reso. In caso di errore in sede di ordinazione, il materiale potrà essere restituito in porto franco, e a rischio del compratore, solo se perfettamente integro, imballato e non utilizzato. In ogni caso l'accredito sarà effettuato con una decurtazione del 7% sul prezzo netto esposto in fattura. Gli spedizionieri e i trasportatori della mazzoni s.r.l. Non sono autorizzati al ritiro della merce ne, tanto meno al riconoscimento dei reclami.

7) **Garanzia.** Salvo espressa deroga, i prodotti mazzoni sono garantiti per la durata di mesi 12 decorrenti dalla data di consegna del prodotto da parte nostra o da parte dei nostri rivenditori. La garanzia consiste nella sostituzione gratuita delle parti che risultino difettose per vizio o evizione del prodotto. Mazzoni non risponde di difetti derivanti da installazione o da uso non conforme alle istruzioni e alle regole dell'arte, da cause naturali ad essa non imputabili, da danneggiamento dovuto ad atti vandalici, a calamità naturali, ad atti di guerra, normale deterioramento, inesperienza o incompetenza nell'uso o applicazione. La garanzia non si estende infine ai difetti dovuti a manomissioni, riparazioni o modifiche effettuate da ditte non autorizzate. Mazzoni si riserva espressamente la facoltà di esaminare e valutare la natura del difetto e di imputare al Cliente i costi relativi all'intervento di ripristino, nel caso in cui il difetto abbia origine da una delle cause previste dai commi precedenti. (vedere libretto uso e manutenzione). Il trasporto delle parti da riparare o sostituire sono a carico del compratore. Per le parti non costruite dalla Mazzoni, la garanzia é limitata a quanto riconosciuto dai suoi fornitori.

8) **Installazione e collaudo.** L'installazione delle macchine e componenti commercializzate dalla Mazzoni s.r.l. ed i relativi allacciamenti elettrici ed idraulici sono a carico dell'Acquirente. L'eventuale intervento di un tecnico qualificato della Mazzoni s.r.l. dovrà essere pattuito al momento del ordine, per il collaudo di primo avviamento, verrà fatturato a parte.

9) **Responsabilità.** La responsabilità della Mazzoni s.r.l. sul prodotto è quella prevista dalla normativa internazionale in vigore. Mazzoni s.r.l. non risponde per danni a persone o cose derivanti da uso improprio o installazione non rispondente

alle norme, cattiva manutenzione, uso di carburanti non idonei, uso di energia elettrica non conforme agli standard, manomissioni o sabotaggio, o comunque non imputabili a difetti di progettazione o fabbricazione del prodotto.

10) **Riservato dominio.** La nostra società si riserva la proprietà degli apparecchi venduti sino all'integrale pagamento del prezzo. Il mancato pagamento anche di una sola rata non inferiore all'ottava parte del prezzo, provocherà l'immediata risoluzione del contratto e le rate pagate resteranno acquisite dalla venditrice a titolo di indennità, salvo risarcimento di maggiori danni. Resta inteso che salvo autorizzazione scritta della Mazzoni s.r.l. il bene dovrà rimanere sino all'integrale pagamento, nel luogo di consegna.

11) **Pagamenti.** Il pagamento delle fatture di vendita deve, salvo deroga espressa, essere effettuato dal Cliente presso la sede della Mazzoni s.r.l.. Salvo patto contrario, in assenza di diversa forma di pagamento avenuto e concordato, Mazzoni s.r.l. è autorizzata dalla sottoscrizione dell'ordinazione, ad emettere tratte o ricevute bancarie. Il mancato pagamento di tali titoli obbliga il Cliente ad effettuare l'intero pagamento presso la sede della Mazzoni s.r.l.. Ogni intermediario può impegnare la Mazzoni s.r.l. esclusivamente nei limiti fissati dal proprio mandato, che il committente ha l'obbligo di verificare prima di compiere qualsiasi atto. In caso di ritardo di pagamento rispetto ai termini fissati dall'ordinazione o dal contratto, Mazzoni applicherà gli interessi di mora nella misura del T.U.S maggiorato del 4%

12) **Riserva di proprietà.** I beni oggetto della vendita rimangono di esclusiva proprietà della venditrice fino al totale pagamento del prezzo pattuito come previsto dall'art. 1523 del codice civile.

13) **Caratteristiche.** Le caratteristiche tecniche indicate nel presente listino non vincolano il costruttore. Mazzoni si riserva di apportare ai prodotti le modifiche che ritiene opportune e senza diritto a reclami o pretese da parte dell'acquirente.

14) **Clausola compromissoria.** Ogni qualsiasi controversia nascente dall'interpretazione o dall'esecuzione del contratto ove non risolvibile in via amichevole o di arbitrato, sarà devoluta alla competenza del Foro di Reggio Emilia.

15) **Prezzo online** Per quanto riguarda i siti web e piattaforme web (es. Ebay, Alibaba, Amazon ecc), il prezzo visibile online deve essere non inferiore al prezzo di listino comunicato dalla azienda. Anche per quanto riguarda le promozioni online, il prezzo scontato non deve essere inferiore al prezzo di listino. L'inserimento dei prezzi online deve essere comunicato alla casa costruttrice, a titolo informativo, entro 5 giorni dall'inserimento.

16) PREZZO DI VENDITA

Il prezzo di vendita effettivo all'utente finale, non deve essere inferiore al prezzo di listino scontato del 15%.

Conditions of sales 1) **Orders.** While the order undersigned by the client is binding, Mazzoni its reserves the faculty to non accept it, giving written communication to the client within 3 days from the reception of the order. The orders taken through Mazzoni s.r.l. agents, representatives or salesmen are always subject to the unobjectionable discretion of the same Mazzoni s.r.l. Consequently, the above-mentioned orders shall be considered binding only after a written confirmation of the order is drawn up by Mazzoni s.r.l. 2) **Prices.** Prices are intended for cash payment, without V.A.T. and possible expenses for taxes and duties always and entirely paid by the Buyer even if applied during the performance of the contract. The prices may be subject at any time to variations on the part of Mazzoni.

3) **Delivery.** The delivery term expressly indicated in the order and set at the closing of the contract is understood as terms of shipment of the goods from the factory. The date of shipment is understood as approximate and is not binding with respect to the Vendor, in particular, for delays caused by acts of God. If the company Mazzoni s.r.l. is not in condition to respect it, it will give communication to the client. Any delays in the processing of orders do not give rise to the Purchaser's right to compensation, penalties or other rights.

4) **Transport.** Ex-works, packaging included. Transport and insurance costs are not included in the price list. Every cost and risk deriving from the transport of the goods from Mazzoni to the customer's warehouse is born by the latter. For goods shipped by carrier: claims for damaged or missing goods can only be investigated when recorded on carrier's note. Before signing carrier's note check for any damage; check number of packages received and record any damages or discrepancies on the carrier's note. After signing carrier's note: check all items against enclosed delivery note; Telephone: (+39 0522 575156) for copy of delivery note if necessary; notify us by e-mail : info@mazzoni.it of any damages or discrepancies. Damages and discrepancies can only be investigated if reported by e-mail info@mazzoni.it , writing within 2 working days. Please include a copy of our delivery note and your name.

5) **Claims and complaints** - The buyer is responsible for checking the goods immediately after having received them. The goods will be considered fully accepted after 8 (eight) days from their arrival to destination. Any claims related to the quality of the goods, under penalty of lapse, must be sent in writing to e-mail info@mazzoni.it to Mazzoni s.r.l., within 8 (eight) days from the date of acceptance of the same goods. In case of claims related to running defects, and which can be verified only by operating the product, the conditions for presenting the written claim are within 30 (thirty) days from the date of acceptance of the goods (the document of shipment will bear witness). In case the claim is accepted as valid, Mazzoni s.r.l. will be responsible solely for replacing or repairing the parts, while any other form of indemnity and

transport costs are excluded. Claims for any delays or damages caused by the shipping must be addressed to the carrier, upon delivery of the goods, making a written reserve on the same document of shipment which must then be notified immediately, in copy, to Mazzoni s.r.l.

6) **Reshipment of goods.** Mazzoni S.r.l. does not accept the return of goods without its previous preventive and written authorization. On the document of transport for the return it has always to be mentioned in exhaustive way the reason of the return. In case of wrong order, goods can be returned without shipment charges and at the Buyer's risk only if perfectly complete, packed and not used. In any case will be effected a 7% reduction on net price shown on invoice.

7) **Guarantee.** Mazzoni's products are guaranteed for the duration of 12 months given off date of shipment. The guarantee consists in the free substitution of parts that result defectives. Mazzoni s.r.l. is not responsible of consequential defects by improper installation, incorrect use, vandal damages, natural catastrophes or action of war, normal deterioration, inexperience or incompetence in the use and application. The guarantee does not cover tampering defects, reparations or changes made by non-authorized firms. The company has the faculty to value the nature of the problem and to charge the intervention of restoration costs to the client, if the defect has origin from one of the causes foreseen before.(see user manual). The transport for the components to be repaired or replaced are at charge of the buyer. For components not produced from Mazzoni warranty us limited to the one recognised from its suppliers.

8) **Installation and test** - Installation of the equipment and spare parts marketed by Mazzoni s.r.l. and the related electric and water hook-ups will be charged to the Buyer. Any operations on the part of a Mazzoni s.r.l. qualified technician for the equipment's initial running test, has to be discussed at the moment of the order and will be billed separately.

9) **Responsibility.** The responsibility of the product is the one foreseen by the international normative. Mazzoni is not responsible for damages to people or things originated from improper use or installation, bad maintenance, use of non fit fuels, use of electrical power, tampering or sabotage, or defects non attributable to the engineering or manufacturing to the product.

10) **Property.** Our company reserves the ownership of the products since the integral payment of the price. The goods will have to remain in the delivery place since the integral payment.

11) **Payment.** The payment of the invoices has to be effected to Mazzoni s.r.l. If not specified the company is authorized to issue draft or bank receipt. The non-payment of that forces the client to make the whole payment to Mazzoni s.r.l.. In case of delay of payment Mazzoni s.r.l. will apply the interests increased of 4%.

12) **Retention of title.** The object of the sale goods remain

the exclusive property of the seller until full payment of the agreed price as required by art. 1523 of the Civil Code.

13) **Specifications.** Technical specifications indicated in the present pricelist are not binding on the manufacturer. Mazzoni s.r.l. reserves the right to make changes to the products that are considered as appropriate, without notice and without giving rise to the right to compensation or claims on the part of the purchaser.

14) **Arbitration cause.** Every controversy started from the interpretation or from the execution of the contract will be devolved to the competence of the Court of Reggio Emilia. 1

5) **Online price.** Regarding websites and web platforms (eg Ebay, Alibaba, Amazon etc.), the visible price online must be not less than the list price communicated by the company. Also with regard to online promotions, the discounted price must not be lower than the price list. The inclusion of prices online must be communicated to the manufacturer, for information, within 5 days of insertion.

16) **Selling price.** The actual selling price to the end user must not be less than price list minus 15% discount.



Mazzoni S.r.l.

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