# ELETTROPOMPE AUTOADESCANTI AD INGRANAGGI SU BASE
# *SELF PRIMING ELECTRIC GEAR PUMPS ON BASE*
# *ELECTROPOMPES AUTOAMORÇANTES SUR BASE AUX ENGRENAGES*

GEAR 1400/720

Motori / *Motors / Moteurs* 1400 rpm / 720 rpm

## DESCRIZIONE

Le pompe volumetriche ad ingranaggi su base della serie GEAR 1400/720 sono pompe ad asse nudo collegate tramite giunto elastico a motore elettrico. Adatte per il trasferimento di liquidi lubrificanti con media/alta viscosità privi di particelle solide e abrasive in sospensione.
Sono pompe autoadescanti utilizzate per un'ampia varietà di liquidi con viscosità da 1 a 20.000 cSt.
Sono disponibili in ghisa con alberi e ingranaggi in acciaio e in bronzo e acciaio inox AISI 316 con alberi e ingranaggi in acciaio inossidabile. Normalmente queste pompe vengono fornite di valvola sovrapressione in ottone che lavora solo in mandata.
Su richiesta la valvola di sovrapressione è disponibile in acciaio inossidabile.
Bocche aspirazione e mandata sullo stesso asse.

## *DESCRIPTION*

*The GEAR 1400/720 series volumetric gear pumps are bare shaft pumps connected to an electric motor via an elastic coupling. Suitable for transferring lubricating liquids with medium/high viscosity free of suspended solid and abrasive particles.*
*They are self-priming pumps used for a wide variety of liquids with viscosity from 1 to 20,000 cSt.*
*They are available in cast iron with steel shafts and gears and in bronze and AISI 316 stainless steel with stainless steel shafts and gears.*
*Normally these pumps are supplied with a brass overpressure valve that works only on delivery.*
*On request the overpressure valve is available in stainless steel.*
*Suction and delivery ports on the same axis.*

## *DESCRIPTION*

*Les pompes volumétriques à engrenages de la série GEAR 1400/720 sont des pompes à arbre nu reliées à un moteur électrique par un accouplement élastique. Elles conviennent au transfert de liquides lubrifiants de viscosité moyenne à élevée, exempts de particules solides en suspension et abrasives.*
*Ce sont des pompes auto-amorçantes utilisées pour une grande variété de liquides d'une viscosité comprise entre 1 et 20 000 cSt.*
*Elles sont disponibles en fonte avec arbres et engrenages en acier, ainsi qu'en bronze et en acier inoxydable AISI 316 avec arbres et engrenages en acier inoxydable. Ces pompes sont généralement fournies avec une soupape de surpression en laiton fonctionnant uniquement au refoulement.*
*Sur demande, la soupape de surpression est disponible en acier inoxydable.*
*Orifices d'aspiration et de refoulement sur le même axe.*

## MATERIALI versione STANDARD

| | |
|---|---|
| Corpo pompa: | Ghisa |
| Coperchio: | Ghisa |
| Ingranaggi: | Acciaio |
| Tenuta meccanica: | Ceramica-Grafite-Viton |

## *MATERIALS STANDARD version*

| | |
|---|---|
| *Pump body:* | *Cast iron* |
| *Cover:* | *Cast iron* |
| *Gears:* | *Steel* |
| *Mechanical Seal:* | *Ceramic-Graphite-Viton* |

## *MATÉRIAUX version STANDARD*

| | |
|---|---|
| *Corps de pompe:* | *Fonte* |
| *Couvercle:* | *Fonte* |
| *Engrenages:* | *Acier* |
| *Garniture:* | *Ceramic-Graphite-Viton* |

## CARATTERISTICHE MOTORE

| | |
|---|---|
| Forma costruttiva: | B3 |
| Protezione: | IP 55 |
| Voltaggio: | ≤ 4Kw 230/400 ≥ 5,5Kw 400/690 |
| Classe d'isolamento: | F |
| Rendimento: | IE3 |

## *ENGINE FEATURES*

| | |
|---|---|
| *Construction form:* | *B3* |
| *Protection:* | *IP 55* |
| *Voltage:* | *≤ 4Kw 230/400 ≥ 5,5Kw 400/690* |
| *Insulation class:* | *F* |
| *Efficiency:* | *IE3* |

## *CARACTÉRISTIQUES DU MOTEUR*

| | |
|---|---|
| *Forme constructive:* | *B3* |
| *Protection:* | *IP 55* |
| *Tension:* | *≤ 4Kw 230/400 ≥ 5,5Kw 400/690* |
| *Classe d'isolation:* | *F* |
| *Rendement:* | *IE3* |

## VERSIONI SPECIALI

Tenute meccaniche materiali diversi
Tensioni speciali
Motori adatti per uso inverter
Protezione IP 56/65 IP 67/68

## *SPECIAL VERSION*

*Different mechanical seals*
*Special voltages*
*Motors suitable for inverter use*
*Protection IP 56/65 IP 67/68*

## *VERSIONS SPECIALES*

*Garnitures mécaniques différentes*
*Voltages spéciaux*
*Moteurs adaptés à une utilisation avec variateur*
*Protection IP 56/65 IP 67/68*

**Per una corretta scelta della pompa è indispensabile fornire i seguenti dati :**
Tipo di liquido – Temperatura – Viscosità / Peso specifico – Altezza di aspirazione

***For a correct choice of pump it is essential to provide the following data:***
*Type of liquid – Temperature – Viscosity / Specific weight – Suction height*

***Pour le bon choix de la pompe, il est essentiel de fournir les données suivantes :***
*Type de liquide – Température – Viscosité / Poids spécifique – Hauteur d'aspiration*

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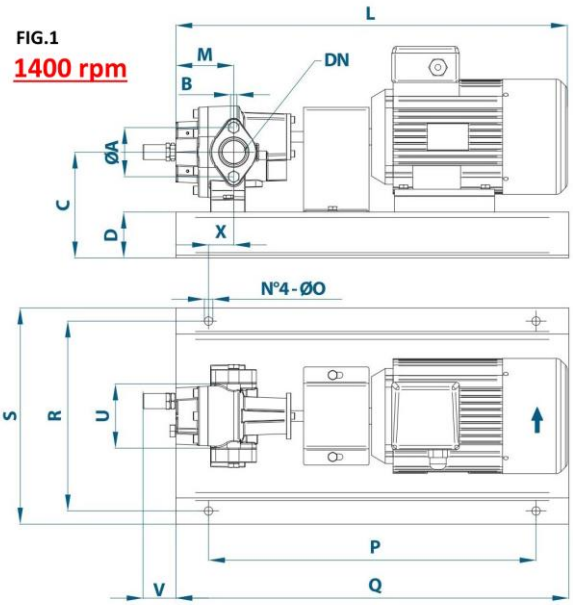
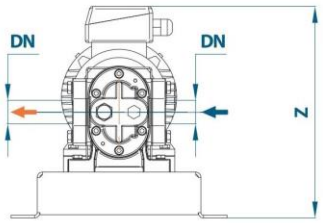
GEAR 1400/720

**DIMENSIONI** | ***DIMENSIONS*** | ***DIMENSIONS***

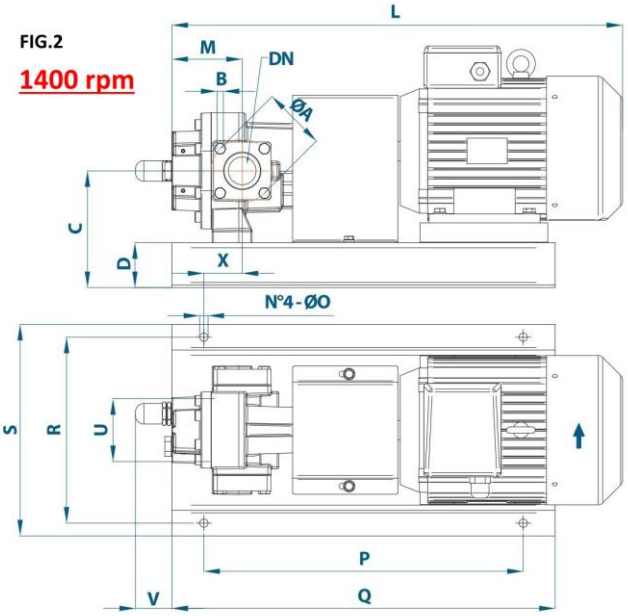
FIG.1
1400 rpm

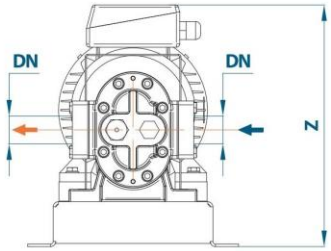



| POMPA / PUMP POMPE | FIG. | Motore / Motor Moteur Taglia | Motore / Motor Moteur kW | DN ISO 228-1 | A | B | C | D | L (*) | M | O | P | Q | R | S | U | V | X | Z (*) | Peso Weight [kg] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GEAR 4000 | 1 | 100 | 2,2 | G 11/2" | 75 | N°2 - M10 | 161,5 | 70 | 680 | 90 | 13 | 500 | 600 | 290 | 330 | 98 | 50 | 40 | 340 | 53 |

FIG.2
1400 rpm




| POMPA / PUMP POMPE | FIG. | Motore / Motor Moteur Taglia | Motore / Motor Moteur kW | DN ISO 228-1 | A | B | C | D | L (*) | M | O | P | Q | R | S | U | V | X | Z (*) | Peso Weight [kg] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GEAR 6000 | 2 | 100 | 3 | G 2" | 98 | N°4 - M10 | 180 | 70 | 700 | 110 | 13 | 500 | 600 | 290 | 330 | 142 | 57 | 60 | 370 | 65 |
| GEAR 9000 | 2 | 112 | 4 | G 2" | 98 | N°4 - M10 | 180 | 70 | 730 | 130 | 13 | 550 | 650 | 340 | 380 | 142 | 57 | 80 | 380 | 80 |

La GMP si riserva la facoltà di modificare senza preavviso i dati riportati in questo catalogo – *GMP can alter without notifications the data mentioned in this catalogne. – GMP se riserve le droit de modifier sans préavis les données techniques dans ce catalogne.*

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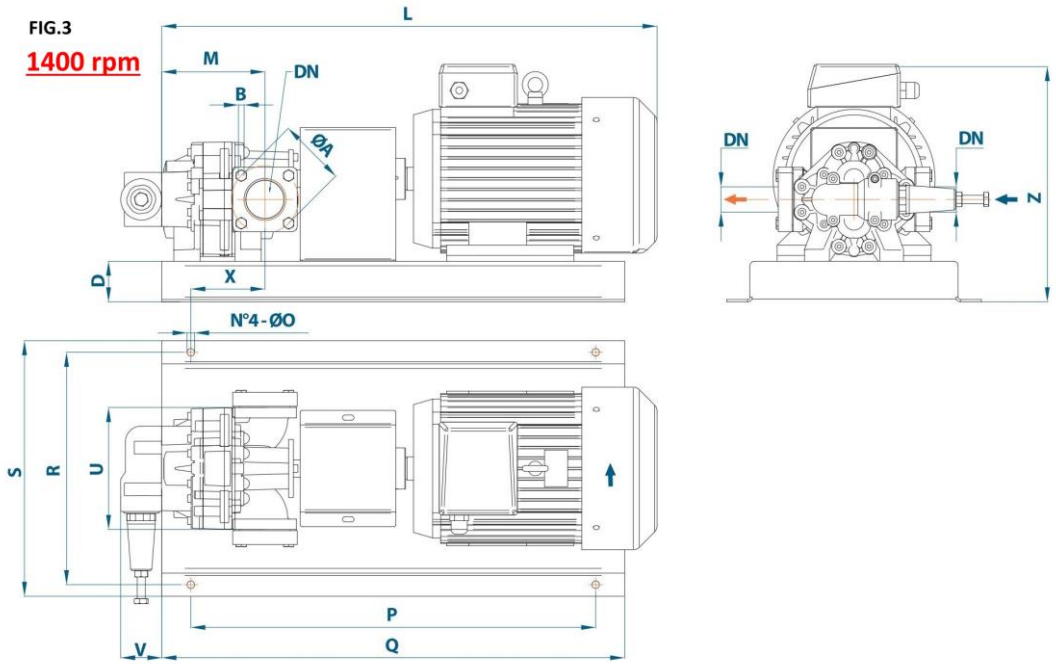
GMP PUMPS

GEAR 1400/720

FIG.3

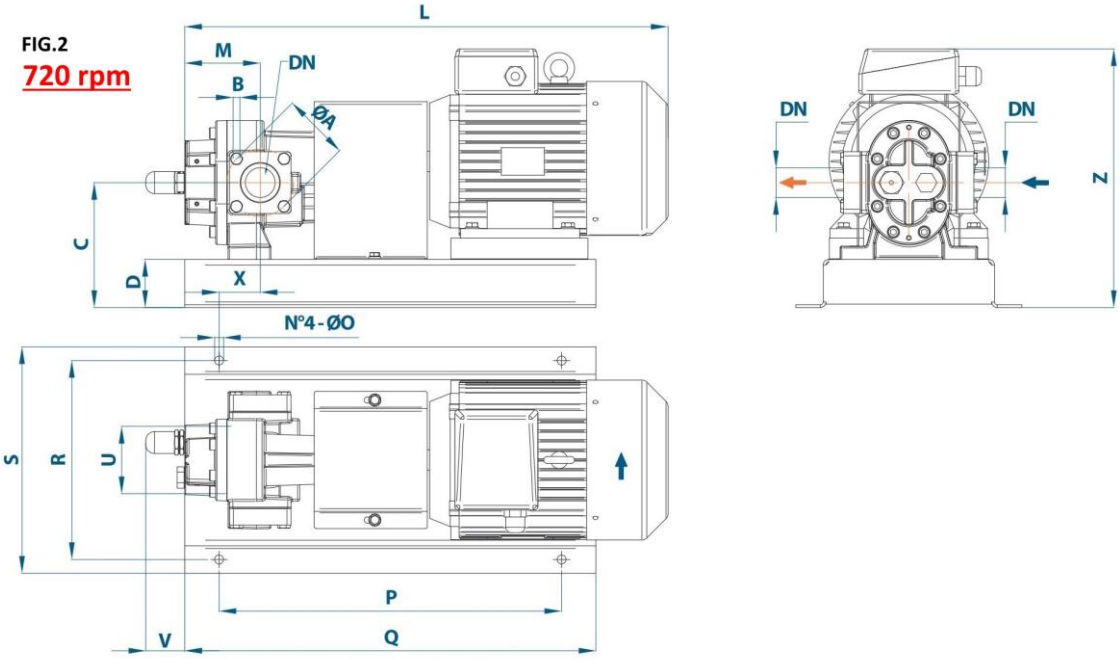
**1400 rpm**




| POMPA / PUMP POMPE | FIG. | Motore / Motor Moteur Taglia | Motore / Motor Moteur kW | DN ISO 228-1 | A | B | C | D | L (*) | M | O | P | Q | R | S | U | V | X | Z (*) | Peso Weight [kg] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GEAR 12000 | 3 | 132 | 5,5 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 855 | 178 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 128 | 410 | 115 |
| GEAR 15000 | 3 | 132 | 7,5 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 870 | 190 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 140 | 410 | 120 |
| GEAR 18000 | 3 | 132 | 7,5 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 880 | 200 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 152 | 410 | 122 |
| GEAR 21000 | 3 | 160 | 11 | G 21/2" | 115 | N°4 - M12 | 195 | 70 | 1025 | 215 | 13 | 900 | 1000 | 400 | 440 | 210 | 70 | 165 | 455 | 215 |
| GEAR 24000 | 3 | 160 | 11 | G 21/2" | 115 | N°4 - M12 | 195 | 70 | 1040 | 228 | 13 | 900 | 1000 | 400 | 440 | 210 | 70 | 180 | 455 | 216 |
| GEAR 30000 | 3 | 160 | 15 | G 3" | 127 | N°4 - M12 | 210 | 70 | 1050 | 235 | 13 | 900 | 1000 | 400 | 440 | 263 | 102 | 185 | 480 | 238 |
| GEAR 33000 | 3 | 160 | 15 | G 3" | 127 | N°4 - M12 | 210 | 70 | 1060 | 235 | 13 | 900 | 1000 | 400 | 440 | 263 | 102 | 193 | 480 | 239 |
| GEAR 36000 | 3 | 160 | 15 | G 3" | 127 | N°4 - M12 | 210 | 70 | 1070 | 252 | 13 | 900 | 1000 | 400 | 440 | 263 | 102 | 202 | 480 | 241 |

FIG.2

**720 rpm**




| POMPA / PUMP POMPE | FIG. | Motore / Motor Moteur Taglia | Motore / Motor Moteur kW | DN ISO 228-1 | A | B | C | D | L (*) | M | O | P | Q | R | S | U | V | X | Z (*) | Peso Weight [kg] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GEAR 9000 | 2 | 100 | 1,1 | G 2" | 98 | N°4 - M10 | 180 | 70 | 725 | 130 | 13 | 500 | 600 | 290 | 330 | 142 | 57 | 80 | 370 | 66 |

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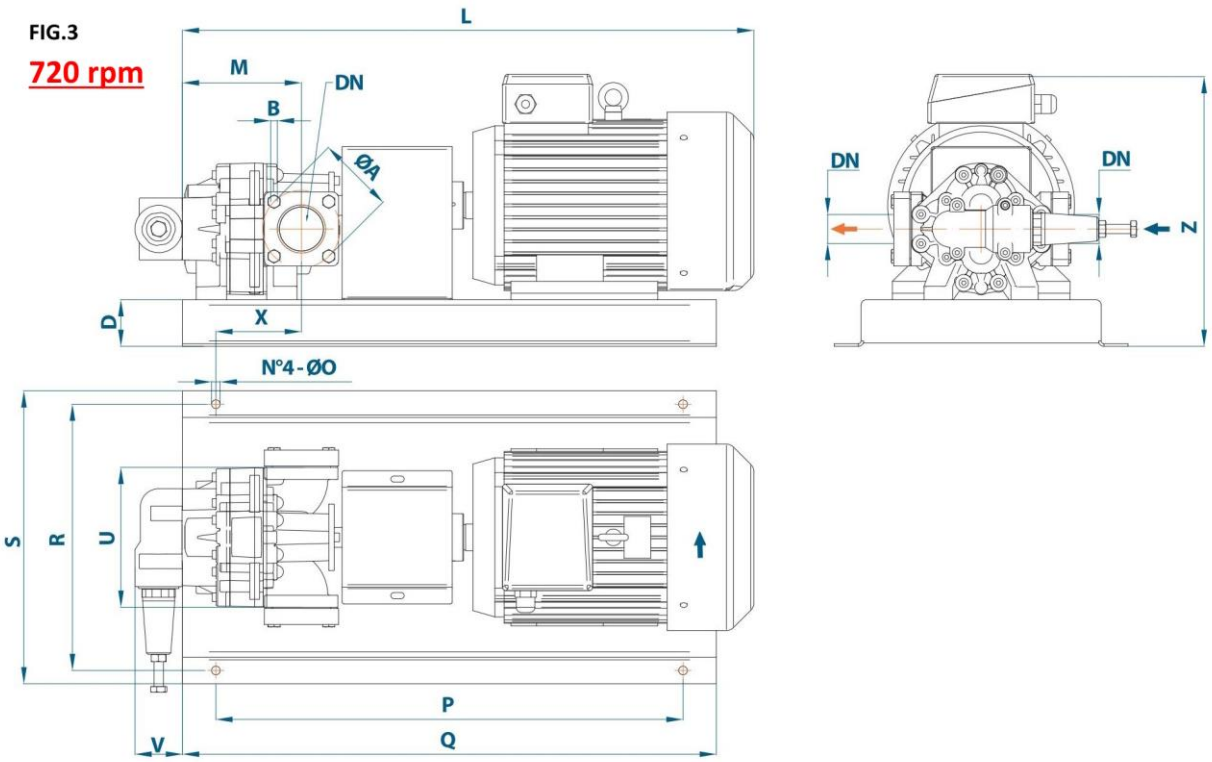
FIG.3

720 rpm




| POMPA / PUMP POMPE | FIG. | Motore / Motor Moteur Taglia | Motore / Motor Moteur kW | DN ISO 228-1 | A | B | C | D | L (*) | M | O | P | Q | R | S | U | V | X | Z (*) | Peso Weight [kg] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GEAR 12000 | 3 | 112 | 1,5 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 765 | 178 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 128 | 380 | 86 |
| GEAR 15000 | 3 | 132 | 2,2 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 870 | 190 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 140 | 410 | 120 |
| GEAR 18000 | 3 | 132 | 2,2 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 880 | 200 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 152 | 410 | 122 |
| GEAR 21000 | 3 | 132 | 3 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 890 | 215 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 165 | 410 | 123 |
| GEAR 24000 | 3 | 132 | 3 | G 21/2" | 115 | N°4 - M12 | 175 | 70 | 905 | 228 | 13 | 700 | 800 | 400 | 440 | 210 | 70 | 180 | 410 | 124 |
| GEAR 30000 | 3 | 160 | 4 | G 3" | 127 | N°4 - M12 | 210 | 70 | 1050 | 235 | 13 | 900 | 1000 | 400 | 440 | 263 | 102 | 185 | 480 | 238 |
| GEAR 33000 | 3 | 160 | 5,5 | G 3" | 127 | N°4 - M12 | 210 | 70 | 1060 | 235 | 13 | 900 | 1000 | 400 | 440 | 263 | 102 | 193 | 480 | 239 |
| GEAR 36000 | 3 | 160 | 5,5 | G 3" | 127 | N°4 - M12 | 210 | 70 | 1070 | 252 | 13 | 900 | 1000 | 400 | 440 | 263 | 102 | 202 | 480 | 241 |

**Dimensioni in mm – Quote non impegnative – Le quote (*) possono variare a seconda del motore utilizzato**
*Dimensions in mm – Non-binding quotes – Dimensions (*) may vary depending on the engine used*
*Dimensions en mm – Devis sans engagement – Les dimensions (*) peuvent varier en fonction du moteur utilisé*

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