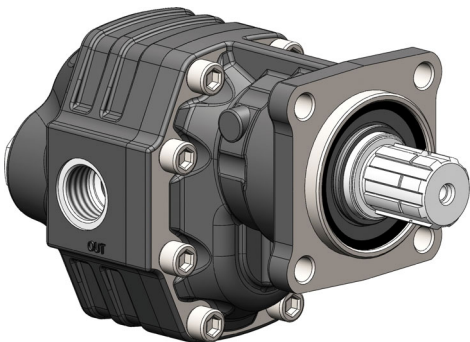
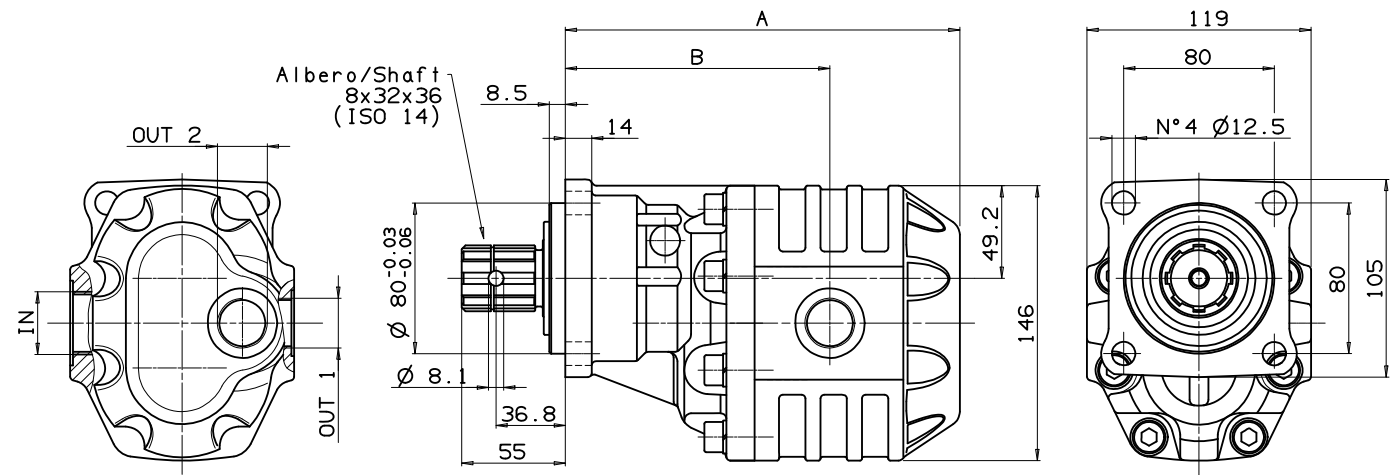




|                                                                                                                |                                                                                                                                               |          |                                                        |       |      |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------|-------|------|
| Fluido idraulico<br><i>Fluid</i>                                                                               | Minerale o sintetico compatibile con guarnizioni:<br><i>Mineral or synthetic compatible with the following seals:</i><br>NBR, FKM, FPM, Nylon |          |                                                        |       |      |
| Viscosità cinematica<br>consigliata<br><i>Kinematic viscosity<br/>suggested</i>                                | T media ambiente (°C)<br><i>Average ambient temp. (°C)</i>                                                                                    | < -10    | -10÷10                                                 | 10÷35 | > 35 |
|                                                                                                                | VG (cSt = mm²/s)                                                                                                                              | 22       | 32                                                     | 46    | 68   |
| Viscosità cinematica ottimale di esercizio<br><i>Optimale kinematic viscosity</i>                              |                                                                                                                                               |          | VG= 10 cSt ÷ 100 cSt                                   |       |      |
| Viscosità cinematica max consentita all'avviamento<br><i>Max kinematic viscosity suggested at the start-up</i> |                                                                                                                                               |          | VG= 750 cSt                                            |       |      |
| Indice di viscosità consigliato<br><i>Viscosity index suggested</i>                                            |                                                                                                                                               | VI > 100 | Temperatura di esercizio<br><i>Working temperature</i> |       |      |
|                                                                                                                |                                                                                                                                               |          | -15°C +100°C                                           |       |      |
| Grado di filtrazione<br><i>Oil filtering</i>                                                                   |                                                                                                                                               |          | > 200 bar: 10 µm<br>< 200 bar: 25 µm                   |       |      |
| Pressione di aspirazione<br><i>Inlet pressure</i>                                                              |                                                                                                                                               |          | -0,3 ÷ 2 bar                                           |       |      |
| Senso di rotazione<br><i>Pump rotation</i>                                                                     |                                                                                                                                               |          | Unidirezionale<br><i>Unidirectional</i>                |       |      |

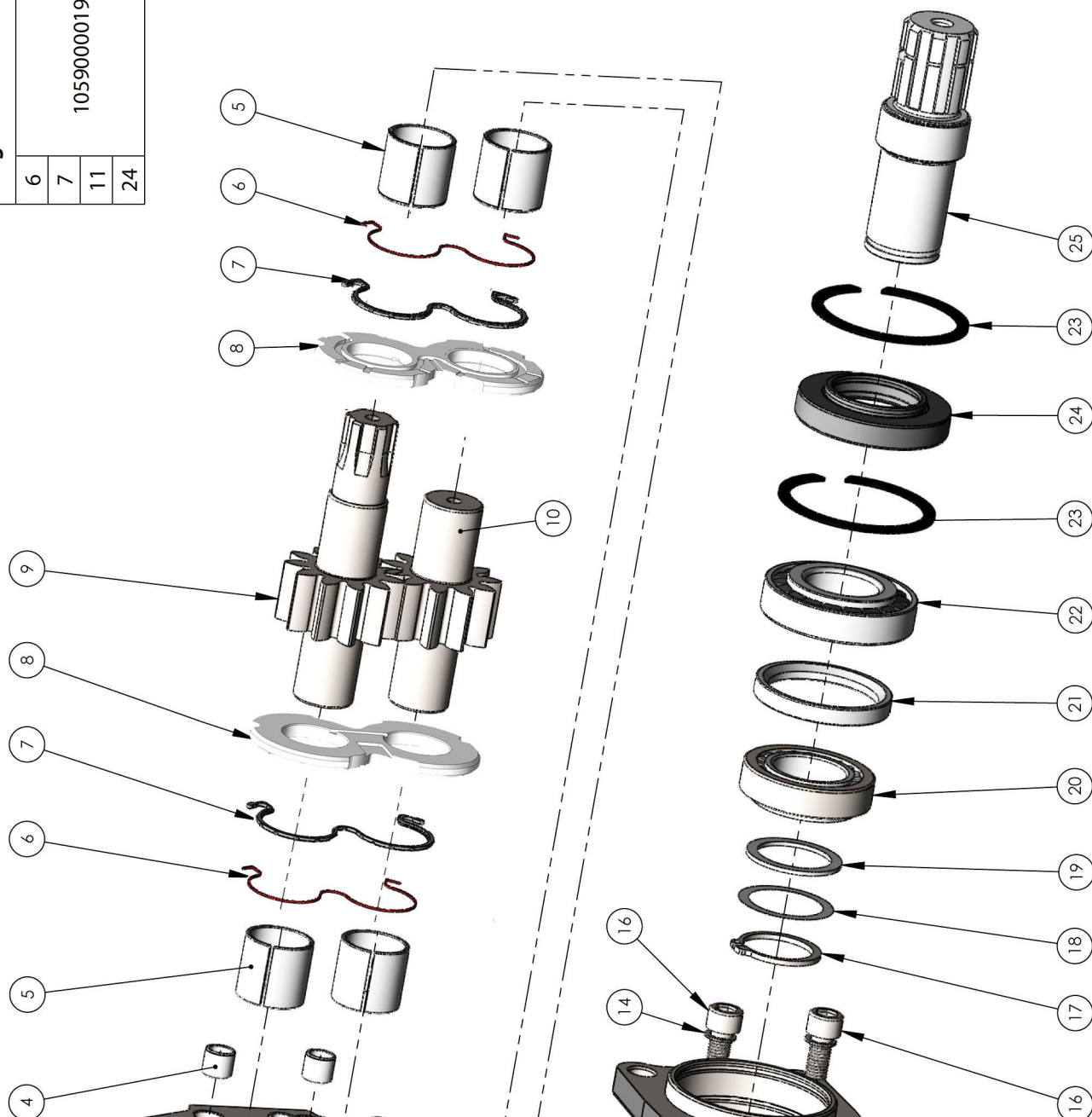
Ingombro / Dimensions



Dati tecnici / Technical data

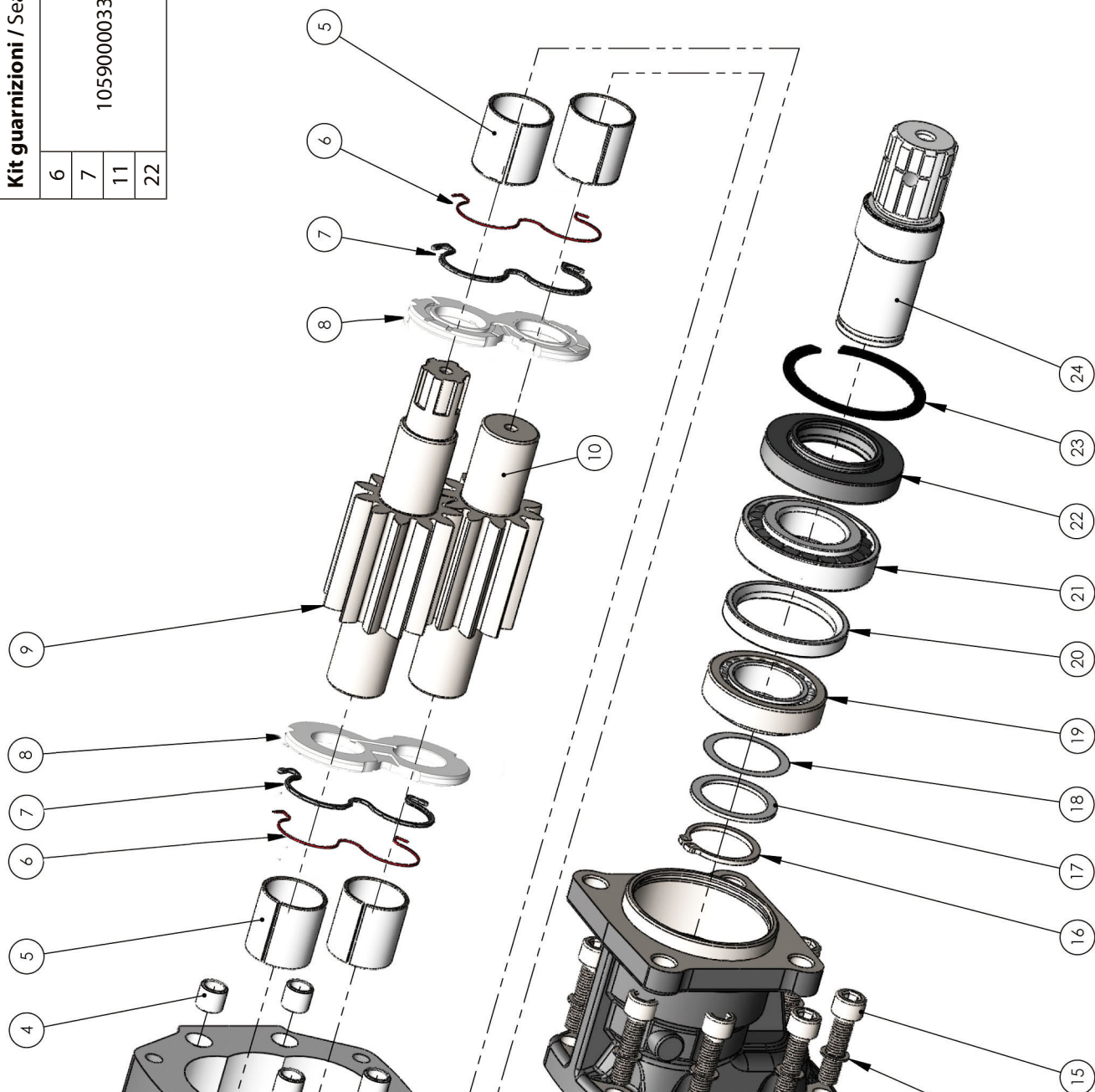
| Tipo pompa<br>Pump type | Rotazione<br>Rotation |                 | IN      | OUT 1   | OUT 2   | A     | B     | Peso<br>Weight |
|-------------------------|-----------------------|-----------------|---------|---------|---------|-------|-------|----------------|
|                         | Destra / Right        | Sinistra / Left |         |         |         |       |       |                |
|                         |                       |                 | ISO 228 | ISO 228 | ISO 228 | mm    | mm    | Kg             |
| NPH-17                  | 10501110173           | 10501110182     | G 1/2   | G 1/2   |         | 168.5 | 119.5 | 11             |
| NPH-22                  | 10501110226           | 10501110235     |         |         |         | 172   | 121.5 | 11.5           |
| NPH-27                  | 10501110271           | 10501110280     |         |         |         | 174.5 | 124   | 12             |
| NPH-34                  | 10501110342           | 10501110351     | G 3/4   | G 3/4   |         | 179.5 | 125   | 13             |
| NPH-43                  | 10501110431           | 10501110441     |         |         |         | 185.5 | 130   | 13.5           |
| NPH-51                  | 10501110511           | 10501110520     |         |         |         | 190.5 | 130.5 | 14             |
| NPH-61                  | 10501110619           | 10501110628     | G1      | G 3/4   |         | 196.5 | 136.5 | 14.5           |
| NPH-73                  | 10501110735           | 10501110744     |         |         |         | 204.5 | 135.5 | 15             |
| NPH-82                  | 10501110824           | 10501110833     |         |         |         | 209.5 | 140.5 | 15.5           |
| NPH-90                  | 10501110904           | 10501110913     | G1 1/4  | G 1     | G 3/4   | 220.5 | 148.5 | 15.5           |
| NPH-100                 | 10501111001           | 10501111010     |         |         |         | 226.5 | 154.5 | 15             |
| NPH-125                 | 10501111252           | 10501111261     |         |         |         | 242.5 | 158.5 | 17             |

| Kit guarnizioni / Seal Kit |   |    |    |
|----------------------------|---|----|----|
| 6                          | 7 | 11 | 24 |
| 10590000197                |   |    |    |



| 61 | 73 | 82 | Codice/Code | Descrizione / Description             | Q. |
|----|----|----|-------------|---------------------------------------|----|
|    |    |    | 54000200110 | Tappo Acciaio 1/2"                    | 1  |
|    |    |    | 54000200129 | Tappo Acciaio 3/4"                    |    |
|    |    |    | 11600910129 | Rondella acciaio-gomma 1/2"           |    |
|    |    |    | 11600910343 | Rondella acciaio-gomma 3/4"           |    |
|    |    |    | 51701000173 |                                       | 1  |
|    |    |    | 51701000226 |                                       |    |
|    |    |    | 51701000271 |                                       |    |
|    |    |    | 51701000342 |                                       |    |
|    |    |    | 51701000431 |                                       | 1  |
|    |    |    | 51701000511 |                                       |    |
|    |    |    | 51701000619 |                                       |    |
|    |    |    | 51701000717 |                                       |    |
|    |    |    | 51701000824 |                                       | 4  |
|    |    |    | 51003000282 | Spine forate di centraggio 14x12.5    |    |
|    |    |    | 53300400033 | Boccola autolub. 28x32x30             |    |
|    |    |    | 50600001097 | Guarnizione antiestruzione            |    |
|    |    |    | 50600001088 | Guarnizione per rasamento             | 2  |
|    |    |    | 51001000293 | Rasamento ad occhiale                 | 2  |
|    |    |    | 52302000178 |                                       | 1  |
|    |    |    | 52302000221 |                                       |    |
|    |    |    | 52302000276 |                                       |    |
|    |    |    | 52302000347 |                                       |    |
|    |    |    | 52302000436 |                                       | 1  |
|    |    |    | 52302000516 |                                       |    |
|    |    |    | 52302000614 |                                       |    |
|    |    |    | 52302000712 |                                       |    |
|    |    |    | 52302000829 |                                       | 1  |
|    |    |    | 52302100177 |                                       |    |
|    |    |    | 52302100220 |                                       |    |
|    |    |    | 52302100275 |                                       |    |
|    |    |    | 52302100346 |                                       | 1  |
|    |    |    | 52302100435 |                                       |    |
|    |    |    | 52302100515 |                                       |    |
|    |    |    | 52302100613 |                                       |    |
|    |    |    | 52302100711 |                                       | 8  |
|    |    |    | 52302100828 |                                       |    |
|    |    |    | 50600001579 | Guarnizione OR (2x95)                 |    |
|    |    |    | 50401000063 | Grano conico 1/8"                     |    |
|    |    |    | 51800300116 | Coperchio anteriore                   | 1  |
|    |    |    | 50102000101 | Rondella elastica                     | 8  |
|    |    |    | 50200400574 | Vite TCE M10x40                       | 6  |
|    |    |    | 50200400565 | Vite TCE M10x35                       | 2  |
|    |    |    | 50100001355 | Anello seeger                         | 1  |
|    |    |    | 52900700226 | Rondella speciale 45x35x0,2           | 1  |
|    |    |    | 52900700208 | Rondella speciale 45x35x2             | 1  |
|    |    |    | 51000200202 | Cuscinetto a rulli conici 35x62x18    | 1  |
|    |    |    | 53000400164 | Distanziale 52x64,2x8,25              | 1  |
|    |    |    | 51000200211 | Cuscinetto a rulli conici 35x72x18,25 | 1  |
|    |    |    | 50100002729 | Anello elastico                       | 2  |
|    |    |    | 50600842723 | Guarnizione paraolio                  | 1  |
|    |    |    | 11400500147 | Manicotto                             | 1  |

| Kit guarnizioni / Seal Kit |   |    |    |
|----------------------------|---|----|----|
| 6                          | 7 | 11 | 22 |
| 10590000339                |   |    |    |



| Indice/Code  | Descrizione / Description             |                                    | Q. |
|--------------|---------------------------------------|------------------------------------|----|
| 4000200129   | Tappo Acciaio 3/4"                    | Steel plug 3/4"                    | 1  |
| 1600910343   | Rondella acciaio-gomma 3/4"           | Steel-rubber washer 3/4"           | 1  |
| 1701000904   | Corpo pompa                           | Gear housing                       | 1  |
| 1701000995   |                                       |                                    |    |
| 1701001252   |                                       |                                    |    |
| 0100300282   |                                       |                                    |    |
| 3300400060   | Spine forate di centraggio 14x12.5    | Pins 14x12.5                       | 4  |
| 3300400426   | Boccola autolub. 30x34x35 con cava    | Bushing 30x34x35                   | 4  |
| 3300400426   | Boccola autolub. 30x34x35 con cava    | Bushing 30x34x35                   | 4  |
| 0600001284   | Guarnizione antiestrusione            | Back-up ring                       | 2  |
| 0600001275   | Guarnizione per rasamento             | Thrust plate seal                  | 2  |
| 1001000346   | Rasamento ad occhiale                 | Thrust plate                       | 2  |
| 2302300906   | Albero dentato conduttore             | Drive shaft                        | 1  |
| 2302301003   |                                       |                                    |    |
| 2302301254   |                                       |                                    |    |
| 2302300915   | Albero dentato condotto               | Driven shaft                       | 1  |
| 2302301012   |                                       |                                    |    |
| 2302301263   |                                       |                                    |    |
| 0600001579   | Guarnizione OR (2x95)                 | O-ring (2x95)                      | 1  |
| 0401000063   | Grano conico 1/8"                     | Plug 1/8"                          | 1  |
| 1800300527   | Coperchio anteriore                   | Mounting cover                     | 1  |
| 1800300152   |                                       |                                    |    |
| 0102000101   |                                       |                                    |    |
| 0200400574   | Rondella elastica                     | Washer                             | 8  |
| 0100001355   | Vite TCE M10x40                       | Screw M10x40                       | 8  |
| 2900700226   | Anello seeger                         | Seeger ring                        | 1  |
| 2900700208   | Rondella speciale 45x35x0,2           | Special washer 45x35x0,2           | 1  |
| 1000200202   | Rondella speciale 45x35x2             | Special washer 45x35x2             | 1  |
| 3000400164   | Cuscinetto a rulli conici 35x62x18    | Tapered roller bearing 35x62x18    | 1  |
| 1000200211   | Distanziale 52x64,2x8,25              | Spacer 52x64,2x8,25                | 1  |
| 0600842723   | Cuscinetto a rulli conici 35x72x18,25 | Tapered roller bearing 35x72x18,25 | 1  |
| 0100002729   | Guarnizione paraolio                  | Oil seal                           | 1  |
| 14-005-00147 | Anello elastico                       | Circlip                            | 2  |
|              | Manicotto                             | Coupling                           | 1  |

| CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES |                                   |                              |            |            |                                                               |                                                                      |                                       |
|----------------------------------------------------------------|-----------------------------------|------------------------------|------------|------------|---------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------|
| Tipo pompa<br><i>Pump type</i>                                 | Cilindrata<br><i>Displacement</i> | Pressione<br><i>Pressure</i> |            |            | Velocità max.<br>continua<br><i>Max. continuous<br/>speed</i> | Velocità max.<br>intermittente<br><i>Max. intermittent<br/>speed</i> | Velocità<br>min.<br><i>Min. speed</i> |
|                                                                |                                   | P1                           | P2         | P3         |                                                               |                                                                      |                                       |
|                                                                |                                   | <i>cm³/rev</i>               | <i>bar</i> | <i>bar</i> | <i>bar</i>                                                    | <i>rpm</i>                                                           | <i>rpm</i>                            |
| NPH-17                                                         | 17.04                             | 290                          | 315        | 325        | 2500                                                          | 3000                                                                 | 300                                   |
| NPH-22                                                         | 22.15                             |                              |            |            |                                                               |                                                                      |                                       |
| NPH-27                                                         | 26.18                             |                              |            |            |                                                               |                                                                      |                                       |
| NPH-34                                                         | 33.88                             | 280                          | 300        | 310        | 2200                                                          | 2800                                                                 |                                       |
| NPH-43                                                         | 43.12                             | 270                          | 290        | 300        | 2000                                                          | 2500                                                                 |                                       |
| NPH-51                                                         | 50.82                             | 240                          | 260        | 280        |                                                               |                                                                      |                                       |
| NPH-61                                                         | 60.06                             | 220                          | 240        | 250        | 1900                                                          | 2500                                                                 |                                       |
| NPH-73                                                         | 72.88                             | 205                          | 225        | 230        | 1900                                                          | 2500                                                                 |                                       |
| NPH-82                                                         | 81.08                             | 205                          | 225        | 230        | 1900                                                          | 2500                                                                 |                                       |
| NPH-90                                                         | 90.43                             | 180                          | 200        | 220        | 1900                                                          | 2500                                                                 |                                       |
| NPH-100                                                        | 98.18                             | 180                          | 200        | 220        | 1500                                                          | 1800                                                                 |                                       |
| NPH-125                                                        | 122.72                            | 160                          | 180        | 200        | 1500                                                          | 1800                                                                 |                                       |

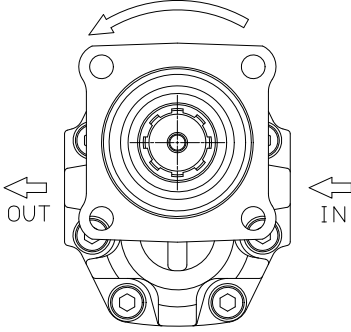
P1=Pressione max.continua  
P2=Pressione max. intermittente  
P3=Pressione max. di punta

Max. continuous pressure  
Max. Intermittent pressure  
Max. peak pressure

(100%)  
(20 sec.max.)  
(6 sec.max)

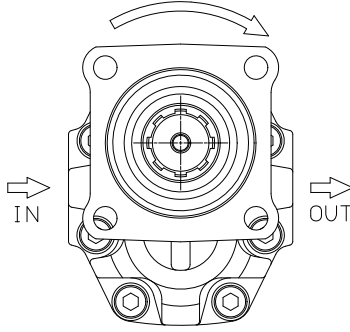
IDENTIFICAZIONE ASPIRAZIONE/MANDATA / SUCTION/DELIVERY IDENTIFICATION:

Rotazione antioraria, pompa sinistra  
Anti-clockwise rotation, left pump



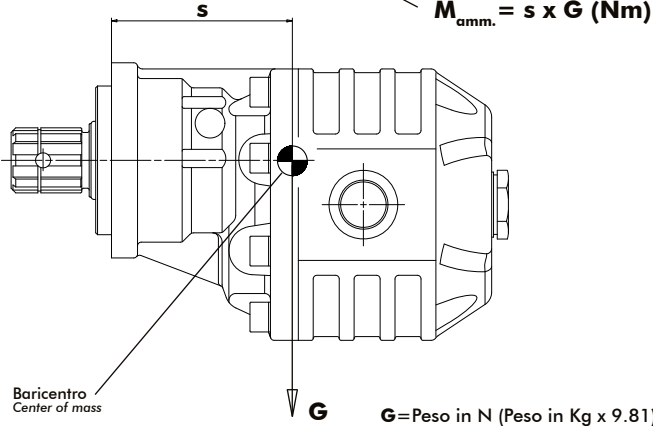
Vista FRONTALE  
FRONT

Rotazione oraria, pompa destra  
Clockwise rotation, right pump



Vista FRONTALE  
FRONT

MOMENTO PESO / MASS MOMENT



$M_{amm.} = s \times G \text{ (Nm)}$   
 $G = \text{Peso in N (Peso in Kg} \times 9.81)$   
 $G = \text{Weight in N (Weight in Kg} \times 9.81)$

| Tipo pompa - Pump type | S   |
|------------------------|-----|
| NPH-17                 | 93  |
| NPH-22                 | 94  |
| NPH-27                 | 96  |
| NPH-34                 | 99  |
| NPH-43                 | 101 |
| NPH-51                 | 103 |
| NPH-61                 | 106 |
| NPH-73                 | 110 |
| NPH-82                 | 113 |
| NPH-90                 | 120 |
| NPH-100                | 121 |
| NPH-125                | 130 |

PER MODIFICARE IL SENSO DI ROTAZIONE VEDERE ISTRUZ. 99700200042  
TO CHANGE THE DIRECTION OF ROTATION SEE INSTRUCTION 99700200042

LA POMPA E' MUNITA DI PARAOLIO BIDIREZIONALE E DI CUSCINETTI A RULLI CONICI SULL'ALBERO DI USCITA  
THE PUMP IS COMPLETE WITH DOUBLE OIL-SEAL AND TAPERED ROLLER BEARING ON THE OUTPUT SHAFT

99710501105 AI 04/11/2022

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99740010510

TOB "Промислова Гідравліка": <https://promhydraulic.com.ua/ua/>  
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