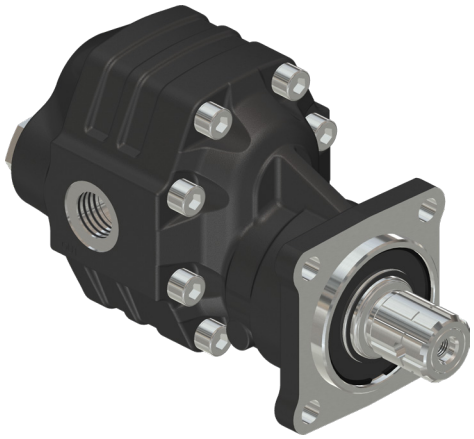
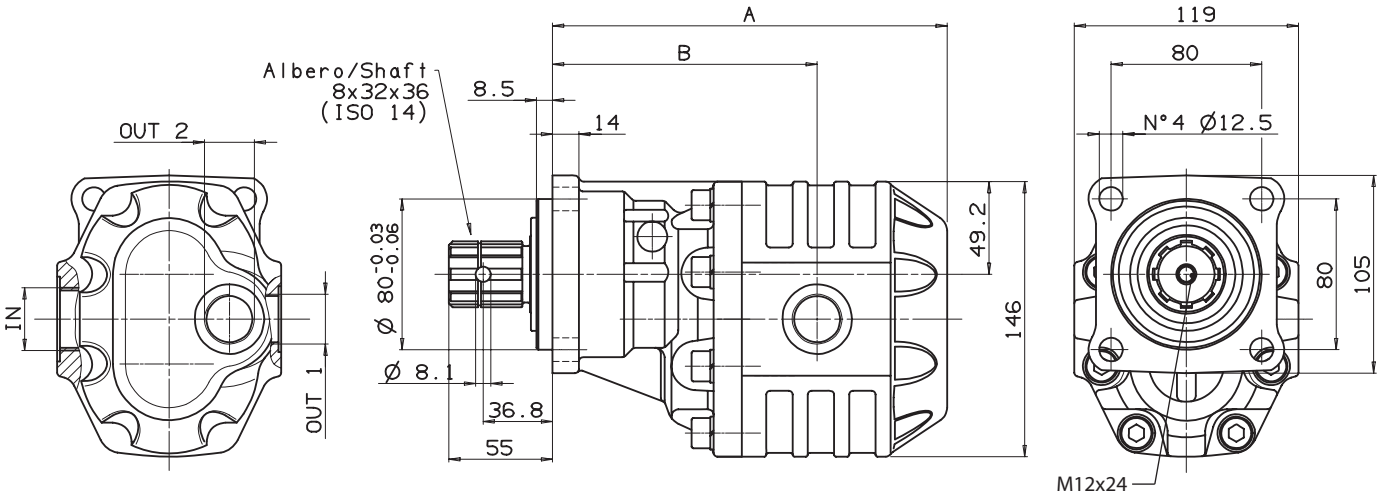
# Pompe ad ingranaggi fissaggio 4 fori
*4 holes hydraulic gear pumps*
**NPH ISO**

**105011**



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

## Ingombro / *Dimensions*




## Dati tecnici / *Technical data*

| Tipo pompa *Pump type* | Rotazione *Rotation* | | IN | OUT 1 | OUT 2 | A | B | Peso *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** | G 3/4 | | | 174.5 | 124 | 12 |
| NPH-34 | **10501110342** | **10501110351** | | G 3/4 | | 179.5 | 125 | 13 |
| NPH-43 | **10501110431** | **10501110441** | | | | 185.5 | 130 | 13.5 |
| NPH-51 | **10501110511** | **10501110520** | G1 | | | 190.5 | 130.5 | 14 |
| NPH-61 | **10501110619** | **10501110628** | | | | 196.5 | 136.5 | 14.5 |
| NPH-73 | **10501110735** | **10501110744** | | | | 204.5 | 135.5 | 15 |
| NPH-82 | **10501110824** | **10501110833** | G1 1/4 | | | 209.5 | 140.5 | 15.5 |
| NPH-90 | **10501110904** | **10501110913** | | 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 |

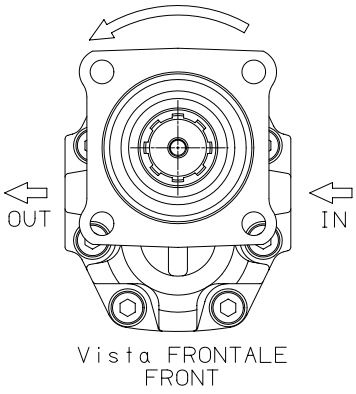
## Caratteristiche tecniche di funzionamento / *Technical features*

| Tipo pompa *Pump type* | Cilindrata *Displacement* cm³/rev | Pressione *Pressure* P1 bar | P2 bar | P3 bar | Velocità max. continua *Max. continuous speed* rpm | Velocità max. intermittente *Max. intermittent speed* rpm | Velocità min. *Min. speed* rpm |
|---|---|---|---|---|---|---|---|
| **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 | |

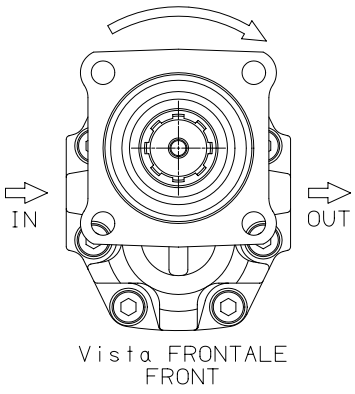
P1=Pressione max.continua — *Max. continuous pressure* — (100%)
P2=Pressione max. intermittente — *Max. Intermittent pressure* — (20 sec.max.)
P3=Pressione max. di punta — *Max. peak pressure* — (6 sec.max)

## Identificazione aspirazione/mandata / *Suction/delivery identification*

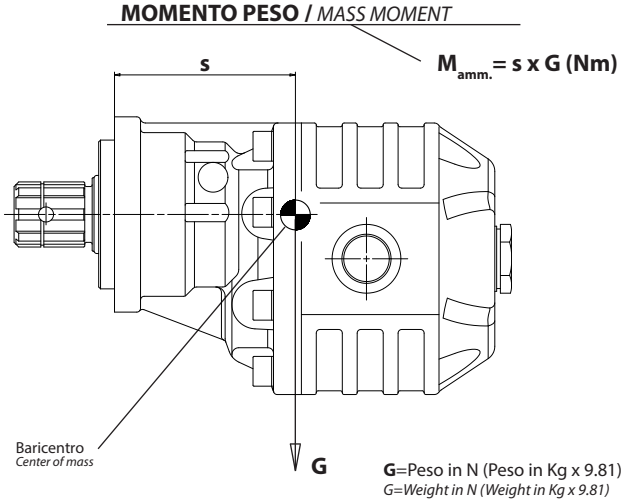
### Rotazione antioraria, pompa sinistra
*Anti-clockwise rotation, left pump*




### Rotazione oraria, pompa destra
*Clockwise rotation, right pump*




**MOMENTO PESO** / *MASS MOMENT*




**G**=Peso in N (Peso in Kg x 9.81)
*G=Weight in N (Weight in Kg x 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 |

**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*

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

**Link:**
Ricambi/*Spare parts*
Istruzione/*Instruction*