

POMPE GRUPPO 3

OT OilTechnology è una giovane azienda, costituita nel novembre del 2001, che produce nell'hinterland di Parma una valida gamma di pompe ad ingranaggi esterni.

Dal punto di vista tecnico OT OilTechnology ha realizzato un progetto "aggiornato" che è la sintesi delle esperienze applicative e delle nuove esigenze di mercato.

Le chiavi del successo di OT sono:

- **SERVIZIO:** Un servizio esemplare e flessibile per caratterizzare l'azienda.
- **QUALITA':** Costante monitoraggio del processo produttivo e adeguato collaudo finale prodotto al 100% per assicurare la migliore qualità.
- **PREZZO:** Bassi costi di struttura uniti ad un processo produttivo efficiente per garantire prezzi competitivi.
- **PROPORSI E DIVENIRE PARTNER DEI PROPRI CLIENTI:** questa è la **MISSION** di OT OilTechnology.

GROUP 3 PUMPS

OT OilTechnology is a young Company, founded in November 2001, which makes a comprehensive range of external gear pumps.

From the technical side OT Oiltechnology has realized an "up-to date" project that is in line with the new needs of the market.

The OT key to succes is the following:

- **SERVICE:** A very good service, higly flexible, most important attribute of the Company.
- **QUALITY:** Costant quality control and 100% product resting to achieve the best results possible from our working processes.
- **PRICE:** Low overheads together with an efficient working process to offer competitive prices.
- **TO BE A PARTNER OF OUR CUSTOMERS:** This is the **MISSION** of OT OilTechnology.

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GENERAL INDEX

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ALBERO CONDUTTORE

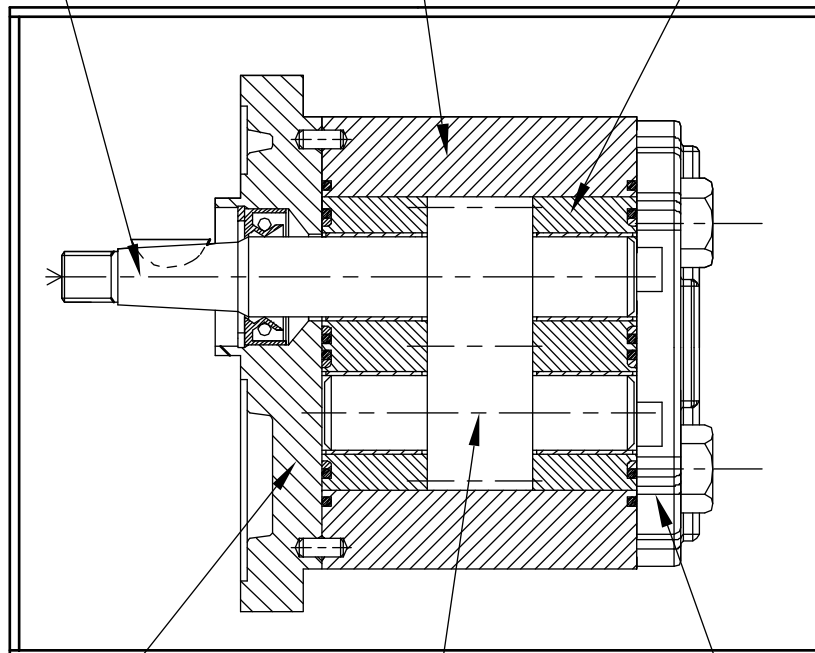
Disponibilita' di diversi tipi d'estremita' standard.

CORPO

Estruso in lega di alluminio

RASAMENTI

Costruite con AVIONAL boccole DU per ridurre il coefficiente di attrito.



FLANGE

Disponibilita' diversi tipi di flangia in ghisa.

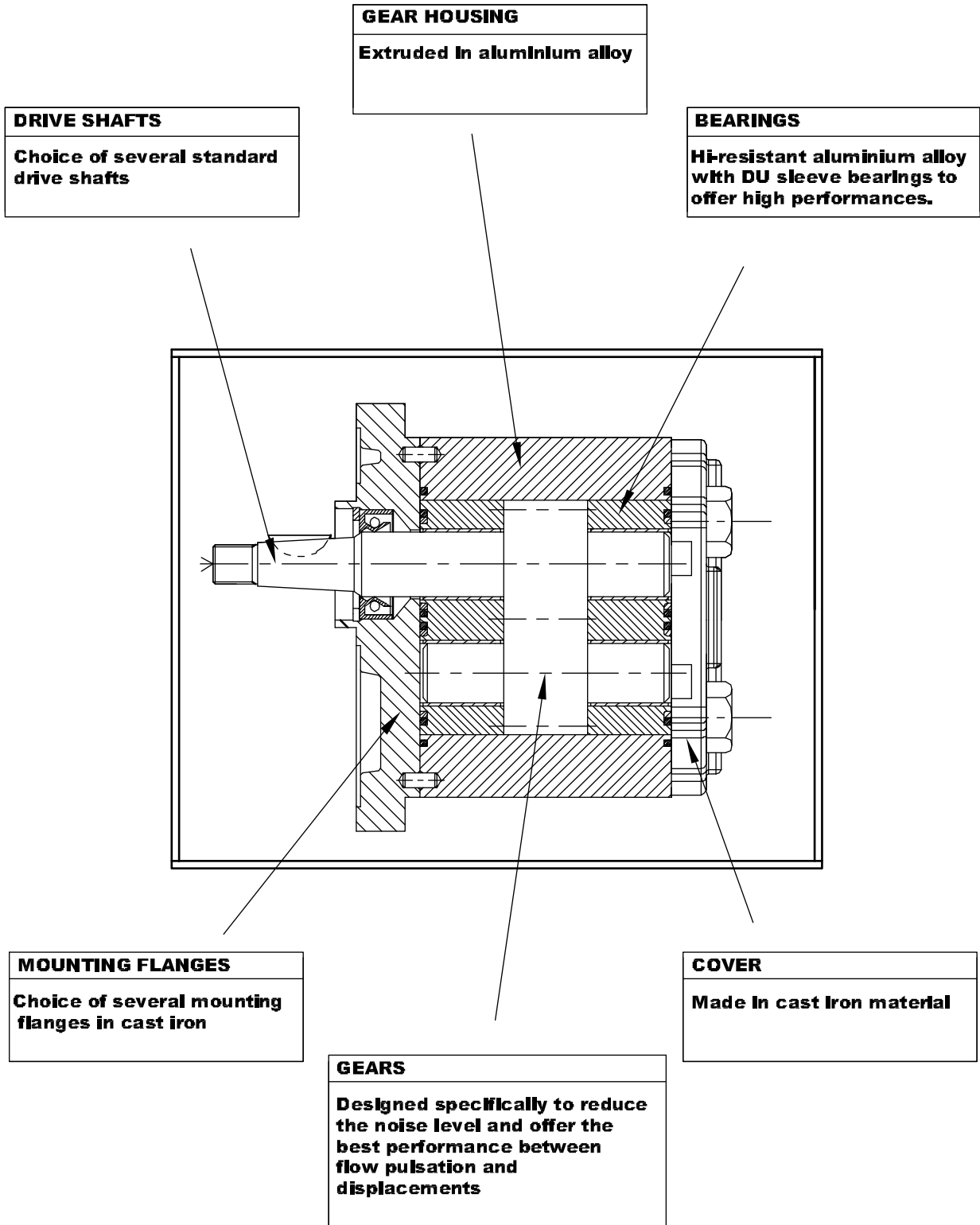
COPERCHIO

Costruzione in ghisa

RUOTE DENTATE

Realizzate da pieno e studiate per ridurre l'emissione sonora ed ottenere un buon compromesso tra pulsazione della portata e l'elevata portata specifica

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CARATTERISTICHE COSTRUTTIVE

| <i>PORTE</i> | <i>MATERIALE</i> | <i>CARATTERISTICHE</i> |
|----------------------------|--------------------------------------------------|--------------------------------------------------------------------------|
| <i>INGRANAGGI</i> | Acciaio da cement. UNI 7846 | Rs= 1250 N/mm ² Rm= 1450 N/mm ² |
| <i>FLANGIA E COPERCHIO</i> | Ghisa G25 / G30 | Rs= 300 N/mm ² Rm= 450 N/mm ² |
| <i>RASAMENTI</i> | Avional Boccole autolubrificanti DU | Rs= 350 N/mm ² Rm= 390 N/mm ² |
| <i>CORPO POMPA</i> | Estruso Lega serie 7020 trattato termicamente | Rs= 350 N/mm ² Rm= 390 N/mm ² |
| <i>GUARNIZIONI</i> | Acrilonitrile standard Viton | 90 Shore, resistenza termica 120°C 80 Shore, resistenza termica 200°C |
| <i>ANTIESTRUSORI</i> | Zitel | Caricato con fibra di vetro |

Rs= Carico di snervamento.

Rm= Carico di rottura

CARATTERISTICHE GENERALI:

Pressioni massime fino a 300 bar.

Pesi : da 8,2 Kg a 10,5 kg

Regimi di rotazione fino a 3000 giri/min.

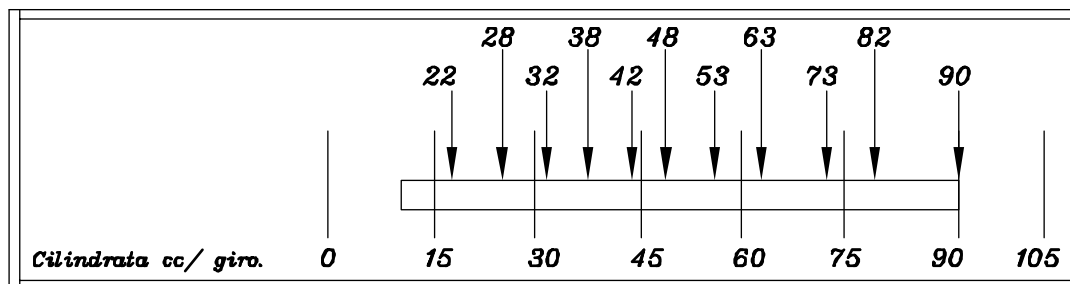
Alberi disponibili: Conico 1/8 con linguetta a disco.
Sae B-13 denti , Sae cilindrico Ø22,2

Versioni con flangieri: Standard europeo.

SAE "B".

Cilindrate da 22 cc/giro a 90 cc/giro.

Le cilindrate disponibili sono espresse nel seguente schema



TRASCINAMENTO

Il collegamento della pompa al motore deve essere realizzato con un giunto che, durante la rotazione, non trasferisca alcuna forza radiale e/o assiale.

In questo caso sarebbe inevitabile una rapida usura delle parti interne in movimento con conseguente decadimento delle prestazioni stesse della pompa.

Se il moto viene trasmesso alla pompa a mezzo di ingranaggi, cinghie o catene e' necessario montare il supporto per trasmissione indipendente.

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CONSTRUCTIVE CHARACTERISTICS:

| <i>PART</i> | <i>MATERIAL</i> | <i>CHARACTERISTICS</i> |
|-------------------------|-------------------------------------------|----------------------------------------------------------|
| <i>GEARS</i> | Hardened steel UNI 7846 | Rs= 1250 N/mm ² Rm= 1450 N/mm ² |
| <i>FLANGE AND COVER</i> | G25 / G30 cast iron | Rs= 300 N/mm ² Rm= 450 N/mm ² |
| <i>BEARINGS</i> | Avional Bearings with DU | Rs= 350 N/mm ² Rm= 390 N/mm ² |
| <i>BODY</i> | Etruded In aluminium alloy Series 7020 | Rs= 350 N/mm ² Rm= 390 N/mm ² |
| <i>O-RINGS</i> | Buna N Viton | 90 Shore, up to 90°C 80 Shore, for high temperature |
| <i>ANTIEXTRUSION</i> | Zitel | With glass fibres |

Rs= Enervation load

Rm= Breaking load

GENERAL CHARACTERISTICS:

Maximum pressures up to 300 bar.

Weight : from 8,2 Kg to 10,5 kg

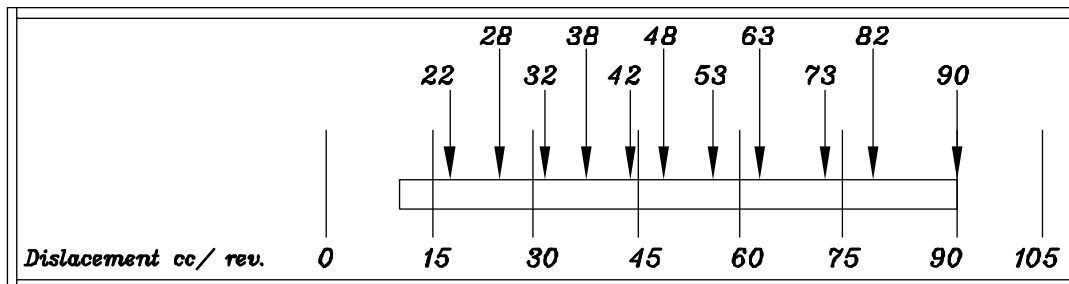
Maximum speed up to 3,000 rpm.

Type of shafts: Taper 1:8
SAE B splined-13 teeth
SAE B cylindrical - Ø22.2

Type of flanges: European standard
SAE A standard.

Displacements from 22 cc/rev to 90 cc/rev.

The displacements are available according this table:



DRIVE:

The connection of the pump to the motor must be done preferably with the use of a flexible coupling to avoid any radial and/or axial force on the shaft, otherwise pump efficiency will dramatically drop due to early wear of inner moving parts.

In any applications where the motion is transmitted through belts, it is necessary to use a support to avoid any radial or axial load to the pump shaft.

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CONDIZIONI DI IMPIEGO- PRESTAZIONI LIMITE

In normali condizioni di funzionamento , nel condotto di aspirazione rileviamo una leggera depressione cioè' in normale utilizzo la pressione di alimentazione è minore di quella atmosferica.
Il campo di pressioni di esercizio in alimentazione deve rispettare i seguenti valori

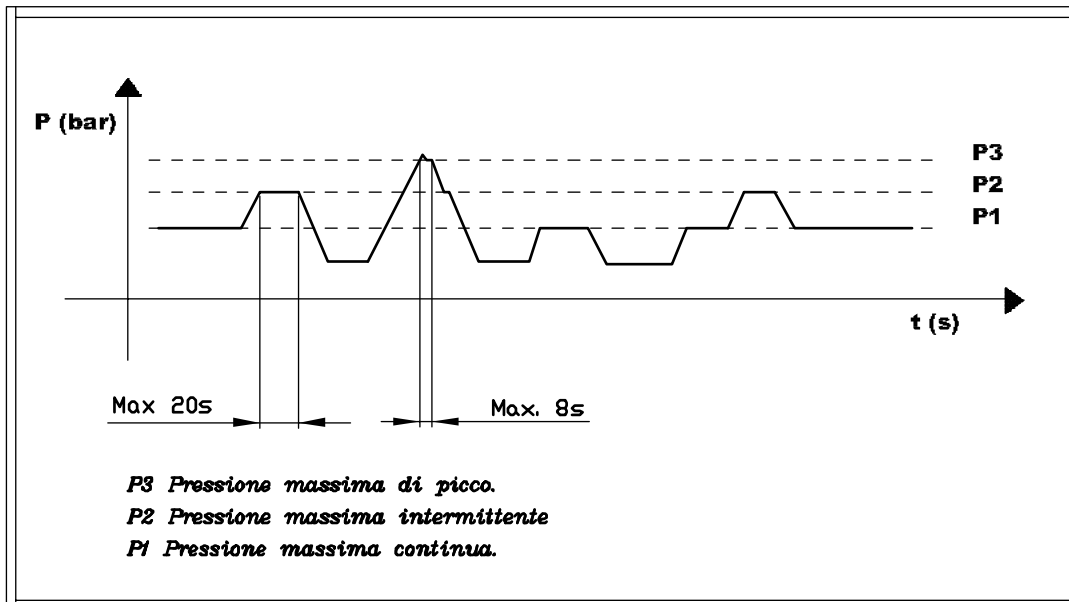
Min. 0.75 bar (assoluti)

MAX 2,0 bar (assoluti)

Per valori di funzionamento con pressione in ingresso maggiore di quella Max. indicata è necessario contattare il nostro ufficio tecnico.

I valori di pressione massima " P1 " sono riferiti al funzionamento continuo a 1500 giri/1' con fluidi idraulici normali con viscosità min = 10 cST.

Per valori più gravosi sia di regime che di viscosità (alta temperatura) e' necessario diminuire la P1.
La normale definizione delle pressioni di lavoro o ammesse è riportata nella seguente tabella

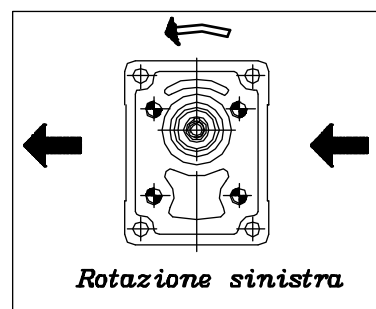
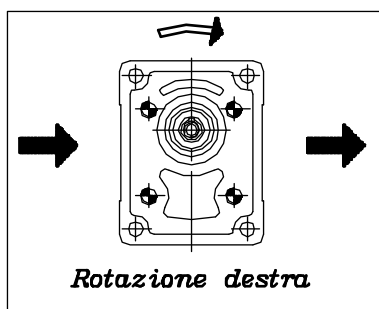


Per un regolare funzionamento i regimi di rotazione non debbono superare i valori max indicati, e riportati nelle relative tabelle, così come il regime minimo di rotazione non deve essere inferiore al seguente valore:

Min. = 400 giri/1'

Max = (vedi tabelle)

DEFINIZIONE DEL SENSO DI ROTAZIONE GUARDANDO L'ALBERO DI TRASCINAMENTO



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WORKING CONDITIONS- LIMIT PERFORMANCES

In normal working conditions there must be, in the suction pipe, a pressure lower than the atmospheric pressure.

The pressure range in suction must be:

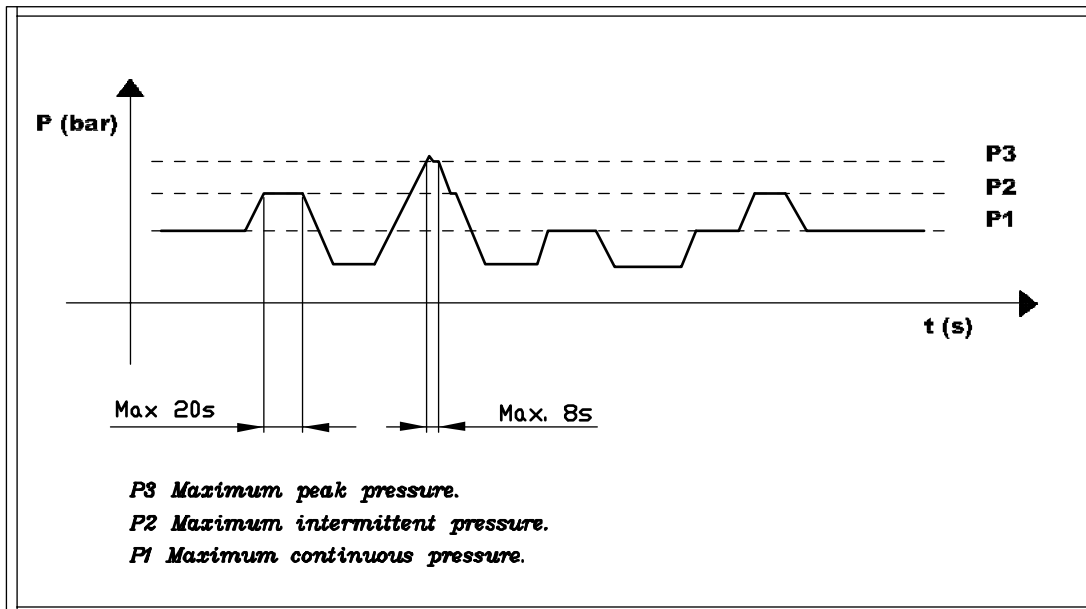
Min. 0.75 bar (absolute)

MAX 2,0 bar (absolute)

The maximum pressure values "P1" are referred to a continuous working at 1500 rpm with standard hydraulic fluids with minimum viscosity of 10 cSt.

For heavier working conditions (viscosity or high temperature) it is necessary to reduce the "P1" values.

In the following table are described the admitted pressures:

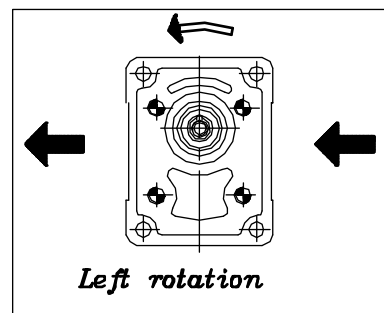
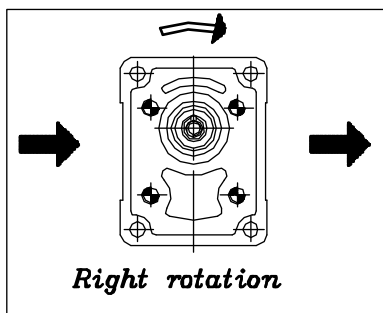


The standard working speeds (minimum and maximum) are the following:

Min. = 400 rpm

Max = (See following table)

DIRECTION OF ROTATION LOOKING AT THE SHAFT:



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FILTRAZIONE FLUIDO

E' ormai provato che la maggior parte dei prematuri cali di prestazione delle pompe e' dovuto al loro funzionamento in condizioni di filtrazione scorretta.

La presenza di particelle contaminanti in un fluido idraulico dovuta ad un inefficace sistema di filtrazione puo' in effetti portare ad un irreparabile danneggiamento degli elementi interni della pompa.

Si raccomanda di porre particolare attenzione alla pulizia dell' impianto , soprattutto in fase di avviamento dello stesso.

L'iniziale contaminazione del fluido deve essere in accordo alla norma ISO 4406 e non dovrebbe superare la classe 19/16 con un filtro 3x75.

E' importante dimensionare il serbatoio in modo tale che abbia una capacita' almeno doppia rispetto al volume di fluido pompato dalla pompa in un minuto di funzionamento.

Sono indicati di seguito i parametri tecnici che e' importante rispettare:

| | |
|----------------------------------|--------------------------------|
| <i>FILTRAGGIO IN INGRESSO</i> | 30 / 60 Micron nominali |
| <i>FILTRAGGIO IN USCITA</i> | 10 / 25 Micron assoluti |
| <i>VELOCITA' MAX IN INGRESSO</i> | 0,5 / 1,5 m/s |
| <i>VELOCITA' MAX IN USCITA</i> | 3,0 / 5,5 m/s |

In ambienti di lavoro particolarmente inquinati è particolarmente importante ridurre ulteriormente il filtraggio in uscita e prevedere anche un filtro aria.

FLUIDI IDRAULICI

Si raccomanda l'utilizzo di fluidi esclusivamente progettati per l'impiego in trasmissioni oleodinamiche, tipicamente olio idraulico a base minerale HLP HV (DIN 51524)

Sono indicati di seguito i parametri tecnici che e' importante rispettare:

| | |
|---------------------------------|---------------------------------------------------|
| <i>VISCOSITA' MINIMA</i> | 10 mm²/s |
| <i>VISCOSITA' MASSIMA</i> | 100 mm²/s |
| <i>VISCOSITA' CONSIGLIATA</i> | 20 mm²/s / 100 mm²/s |
| <i>TEMPERATURA CONSIGLIATA</i> | 30°C / 50°C |
| <i>TEMPERATURA DI ESERCIZIO</i> | -15°C / +80°C |

Se si impiega Acqua-glicolico (HF-C) si devono adottare le seguenti limitazioni: n.giri max 1500 giri/min pressione max 200 bar.

Per impieghi con fluidi ester-fosforici consultare nostro ufficio tecnico.

ISTRUZIONI PER L' INSTALLAZIONE

- Durante il primo avviamento tarare le valvole limitatrici di pressione al minor valore possibile e raggiungere il valore massimo in modo graduale.
- Verificare , nel caso di pompa monodirezionale , che il senso di rotazione sia coerente con quello dell'albero dal quale deriva il moto.
- Controllare che il collegamento tra albero motore e pompa sia corretto e che non induca a carichi radiali o assiali.
- Evitare partenze sotto carico in condizioni di bassa temperatura o comunque dopo lunghi periodi di inattività.
- Verificare che il livello del serbatoio sia adeguato dopo l'installazione di tutta la componentistica.
- Durante il primo avviamento scollegare lo scarico per permettere di spurgare l'aria nel circuito.
- Proteggere l'anello di tenuta della pompa in caso di verniciatura; verificare la pulizia della zona di contatto tra anello di tenuta ed albero; la presenza di polvere puo' accelerare l'usura causare delle perdite.
- E' inoltre importante dotare l'impianto di idonei sistemi di sicurezza atti ad evitare turbolenze nel fluido, in special modo nei condotti di ritorno al serbatoio, e evitare l' entrata in circolo nei sistemi di aria, acqua, o contaminanti di vario genere.
- Verificare sempre che la coppia applicata sia minore o uguale alla coppia ammissibile dell'albero.
- Utilizzare sempre oli ben filtrati, con assenza di acqua o con qualsiasi altra sostanza emulsionante.
- Non far mai girare la pompa con soluzioni olio aria.

GROUP 3 PUMPS

FLUID FILTRATION

It is known that in many cases the premature pump performances reduction is due to a non correct filtration in the circuit.

The presence of contamination particles in the fluid usually corresponds to an irreparable wear of the pump internal parts.

It is recommended to pay attention to the plant cleaning, mainly in the starting activity.

The starting fluid contamination it must be according to the Norms ISO 4406 and it should not exceed the Class 19/16 with a filter 3x75.

Here below the technical parameters to respect:

| | |
|------------------------------------|-------------------------|
| <i>FILTRATION IN SUCTION LINE</i> | 30 / 60 Nominal micron |
| <i>FILTRATION IN PRESSURE LINE</i> | 10 / 25 absolute micron |
| <i>MAXIMUM SPEED IN SUCTION</i> | 0,5 / 1,5 m/s |
| <i>MAXIMUM SPEED IN OUTPUT</i> | 3,0 / 5,5 m/s |

Sometime (contaminated places) it is recommended to improve the filtration in pressure line and fit also an air filter.

HYDRAULIC FLUIDS

It is recommended the use of fluids made for hydraulic circuits.

Usually they are hydraulic oils with mineral basis HLP HV (DIN 51524).

Here below the technical parameters to respect

| | |
|------------------------------|-----------------------------------|
| <i>MINIMUM VISCOSITY</i> | 10 mm ² /s |
| <i>MAXIMUM VISCOSITY</i> | 100 mm ² /s |
| <i>SUGGESTED VISCOSITY</i> | 20 mm ² /s / 100 mm /s |
| <i>SUGGESTED TEMPERATURE</i> | 30°C / 50°C |
| <i>WORKING TEMPERATURE</i> | -15°C / +80°C |

For applications with water-glycol (HF-C) it is recommended to consider the following limitations: 1500 rpm maximum speed and 200 bar maximum pressure.

For applications with phosphate ester fluids, please contact our Technical department.

INSTALLATION INSTRUCTION

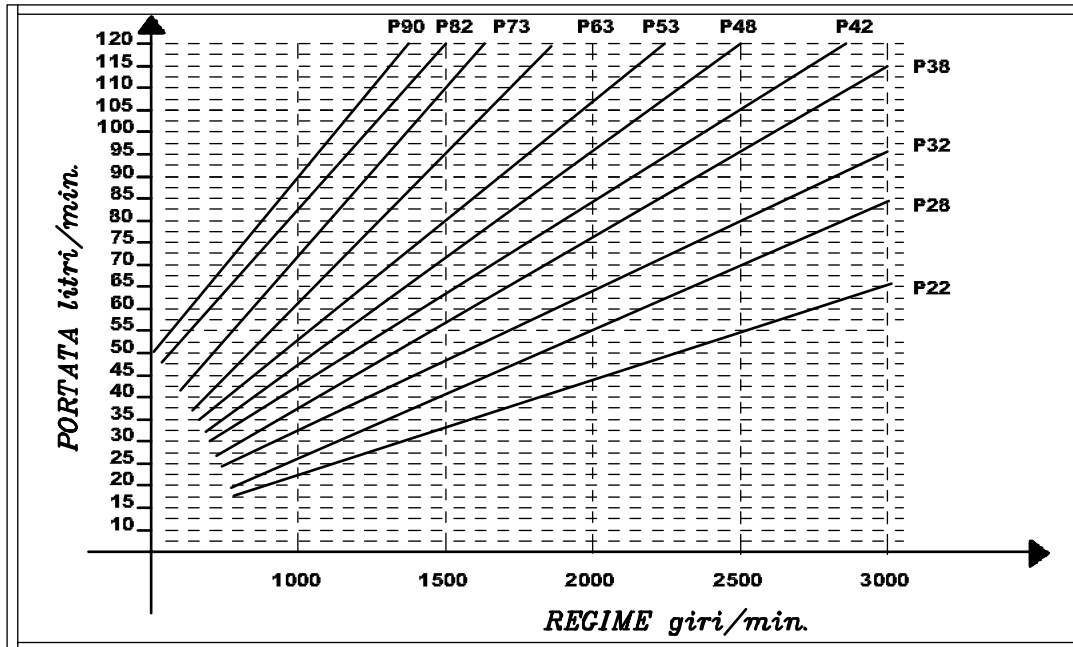
During the first starting it is recommended:

- to set the maximum pressure relief valves to a low value and gradually increase the pressure.
- to check, with single rotation pumps, that the rotation direction it is correct.
- to check that the connection between the motor and pump shaft is correct, without radial or axial load.
- to avoid starting under pressure in low temperature conditions or after long period of inactivity
- to check the fluid level in the tank
- to disconnect the return pipe and purge any air in the circuit
- to protect the pumpshaft seal when painting power pack
- to use suitable systems in the return lines to tank, to avoid turbulence in the circuit and ingress of air, water or contamination
- to check the torque that must be lower than the maximum torque admissible on the pump shaft
- to use new oil filters with absence of water or any other emulsifying substance
- to avoid starting with a air-oil solution

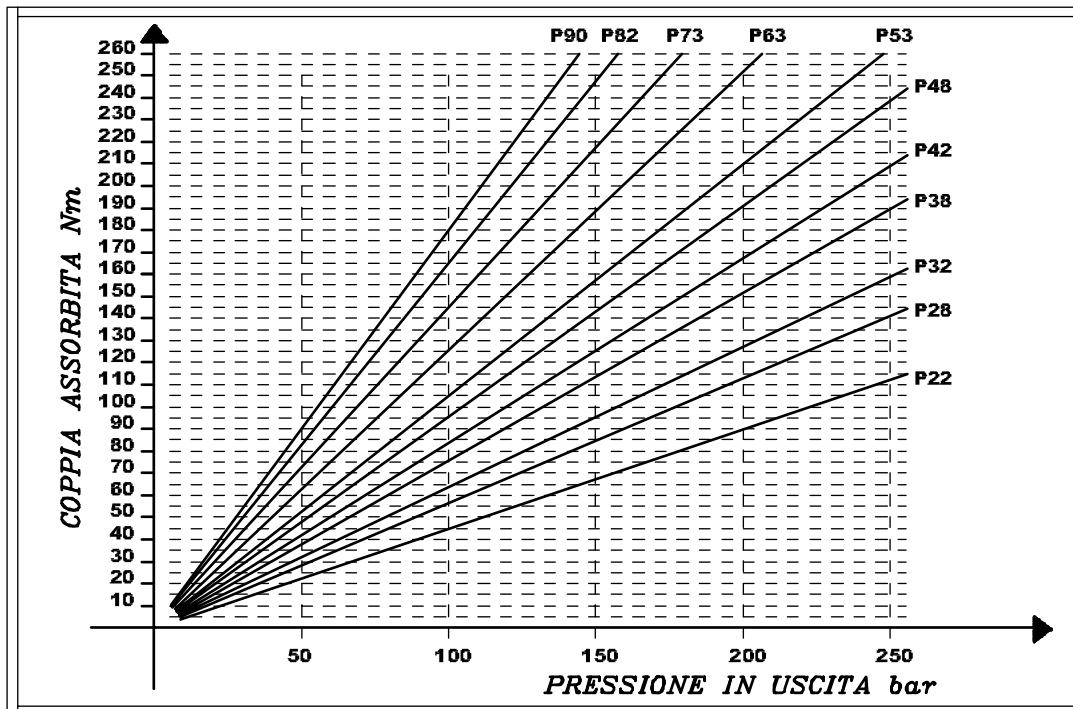
It is important to specify an oil tank at least twice the flow from the pump.

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CURVE CARATTERISTICHE DI PORTATA



COPPIA ASSORBITA

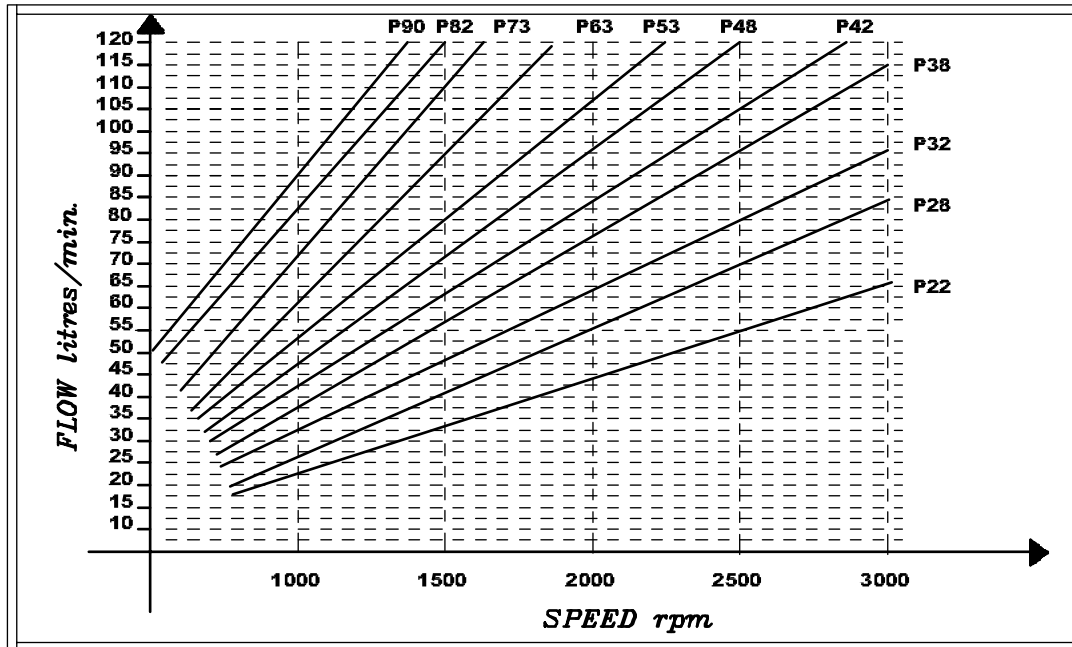


NOTE

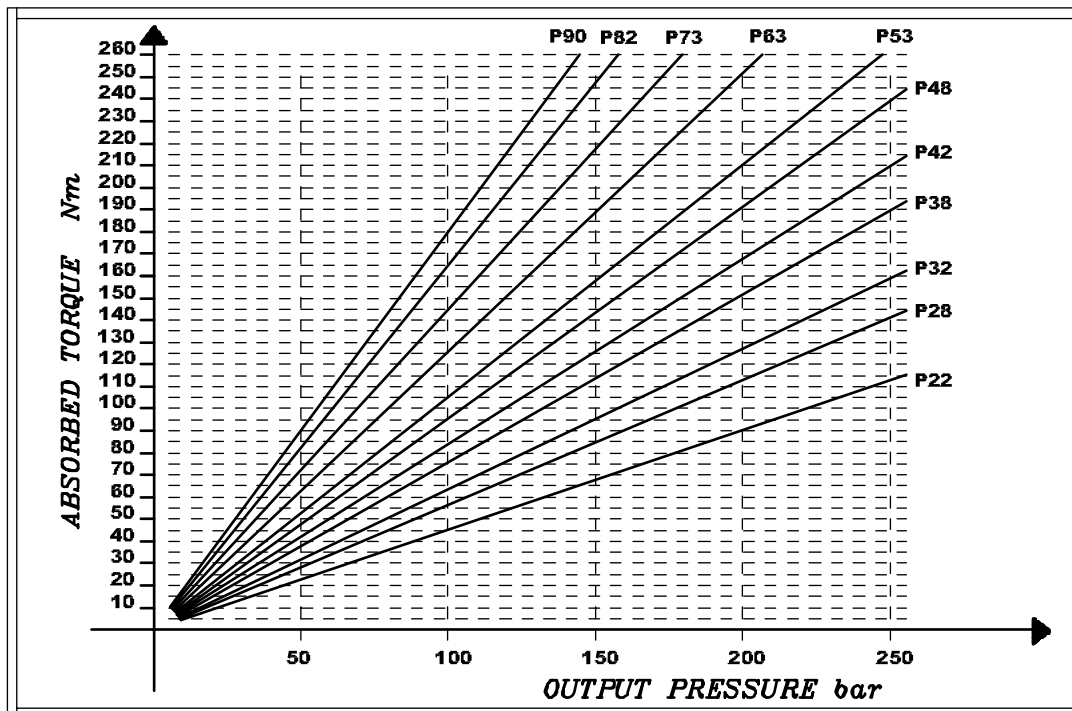
Le curve caratteristiche di portata sono state tracciate considerando un rendimento volumetrico del 95%

GROUP 3 PUMPS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

Above flow characteristics curves have been made considering a volumetric efficiency of 95%

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DETERMINAZIONE DI UNA POMPA

| | | |
|------------|------------------------|-----------------------------------------|
| V | Cilindrata | cm^3/giro |
| Q | Portata | l/min |
| P | Potenza | kW |
| C | Coppia | $\text{N} \cdot \text{m}$ |
| N | Velocita' | $-15^\circ\text{C} / +80^\circ\text{C}$ |
| ΔP | Pressione | bar |
| n_v | Rendimento volumetrico | 0.95 |
| n_m | Rendimento meccanico | 0.9 |
| n_t | Rendimento totale | 0.85 |

$$Q = V \cdot n_v \cdot N \cdot 10^{-3} \quad \text{l}/\text{min}$$

$$C = \frac{\Delta P \cdot V}{62.8 \cdot n_m} \quad \text{N} \cdot \text{m}$$

$$P = \frac{\Delta P \cdot V \cdot N}{612000 \cdot n_t} \quad \text{kW}$$

GROUP 3 PUMPS

PUMP CALCULATION

| | | |
|------------|-----------------------|---------------|
| V | Displacement | CC / REV |
| Q | Flow | l/min |
| P | Power | kW |
| C | Torque | N · m |
| N | Speed | -15°C / +80°C |
| ΔP | Pressure | bar |
| n_v | Volumetric efficiency | 0.95 |
| n_m | Mechanical efficiency | 0.9 |
| n_t | Total efficiency | 0.85 |

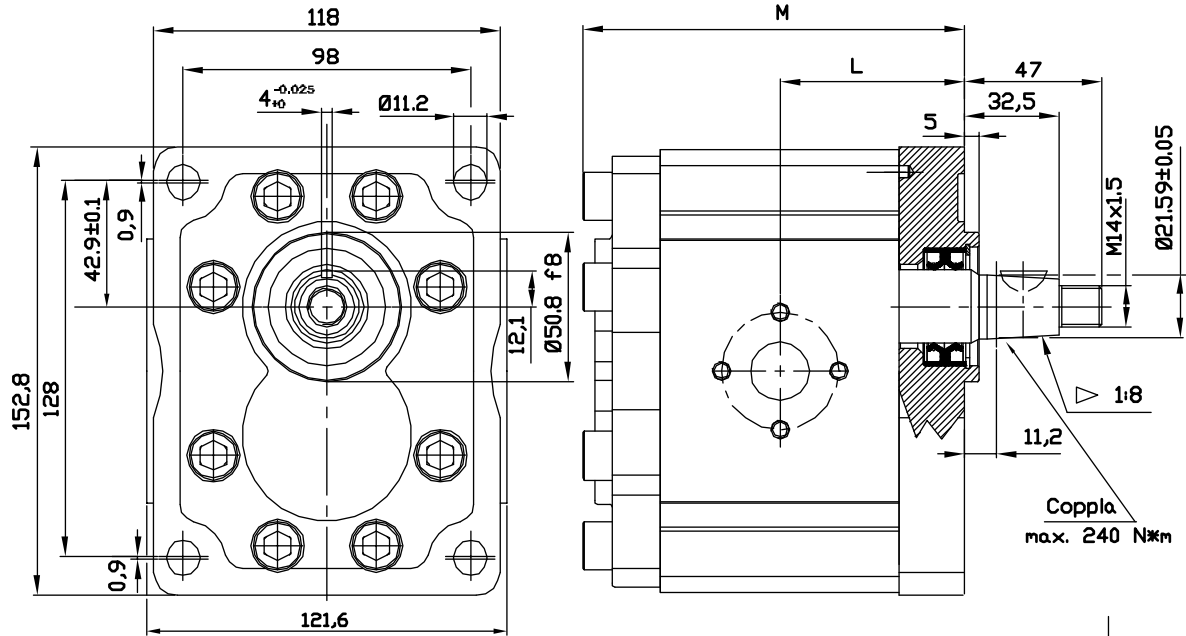
$$Q = V \cdot n_v \cdot N \cdot 10^{-3} \quad l/min$$

$$C = \frac{\Delta P \cdot V}{62.8 \cdot n_m} \quad N \cdot m$$

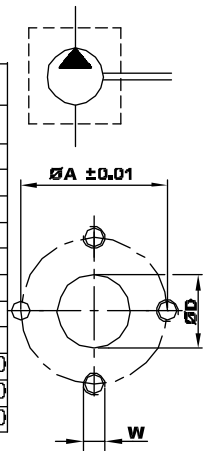
$$P = \frac{\Delta P \cdot V \cdot N}{612000 \cdot n_t} \quad kW$$

POMPE GRUPPO 3- STANDARD EUROPEO

VERSIONE: P38 P3

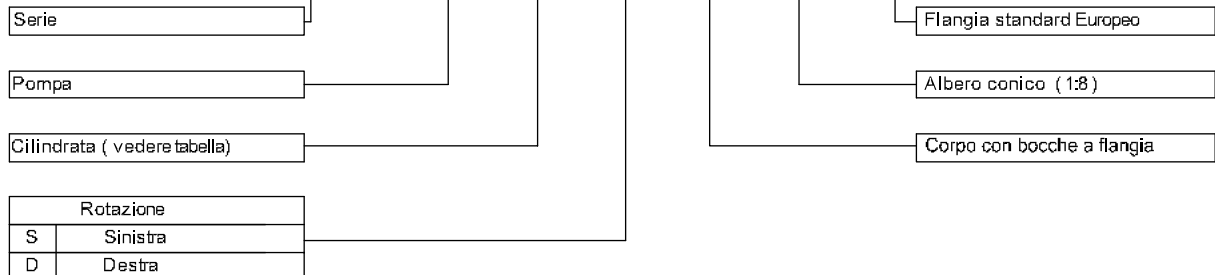


| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|-------------------------|----------------------------------------------|--------------------------------------|------------------------------------|------------|-------|----------------------|----|-----|------------------|----|-----|
| | | | | | L | M | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



ESEMPIO DI CODICE D'ORDINAZIONE

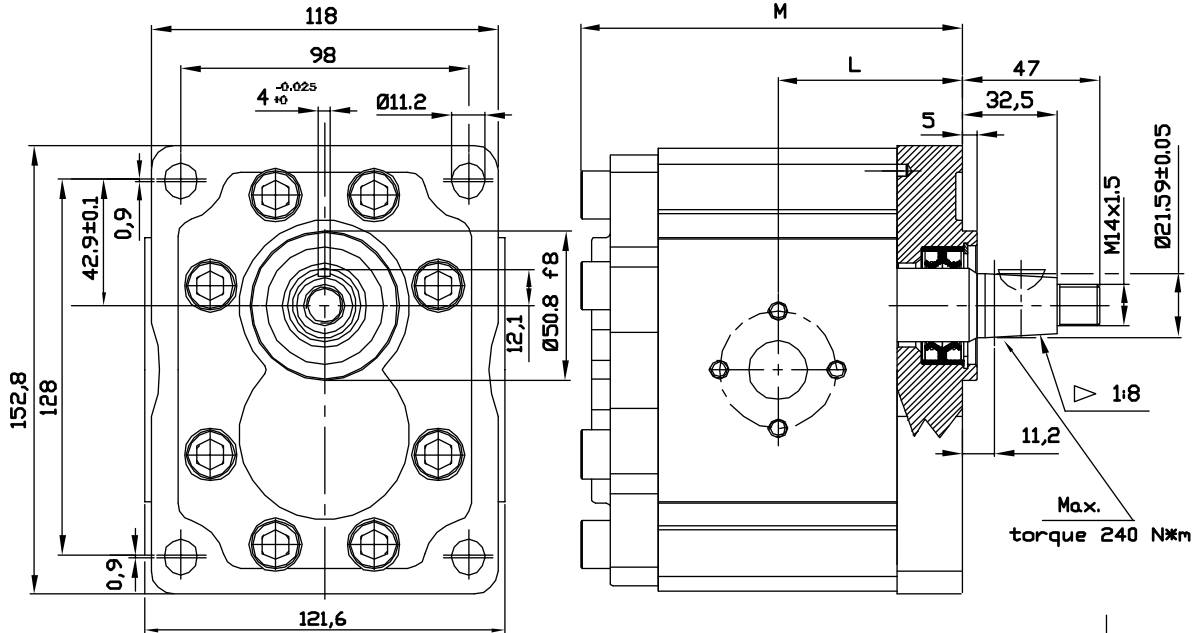
OT300 P 28 S / P 38 P3



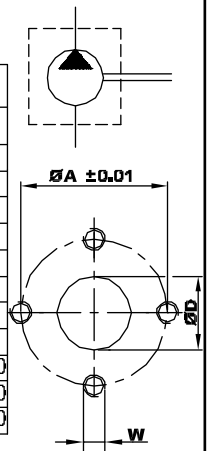
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- EUROPEAN STANDARD

VERSION: P38 P3

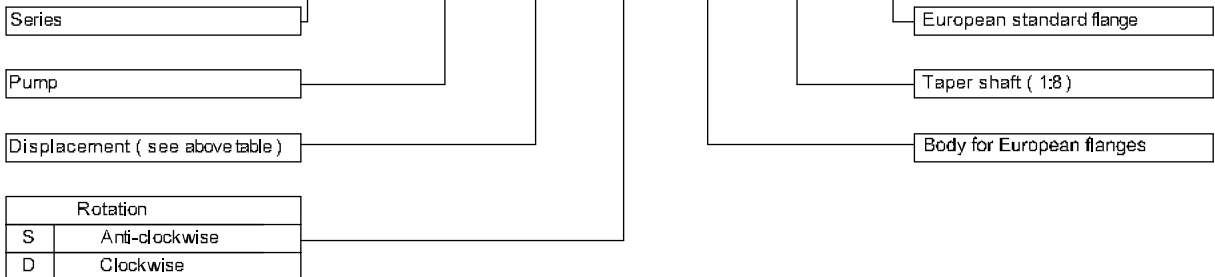


| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension | | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------------------------|---------------------------|----------------------|-----------|-------|------------|----|-----|-------------|----|-----|
| | | | | | L | M | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



EXAMPLE OF ORDERING CODE

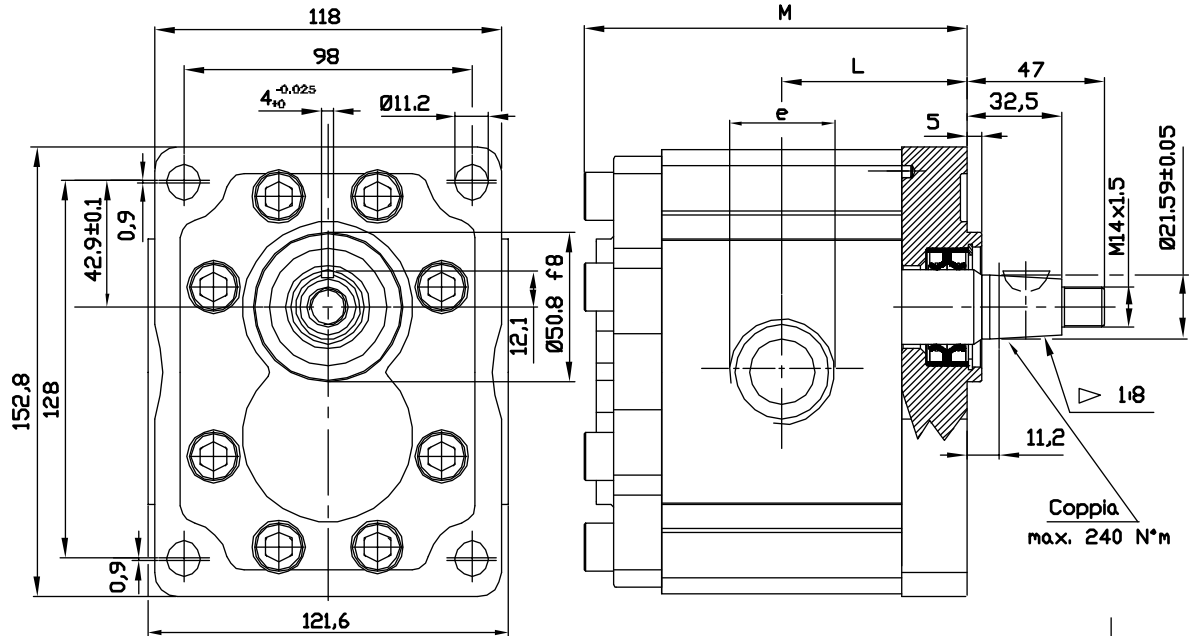
OT300 P 28 S / P 38 P3



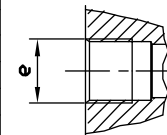
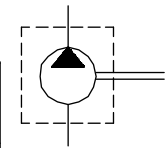
AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3- STANDARD EUROPEO

VERSIONE: G38 P3

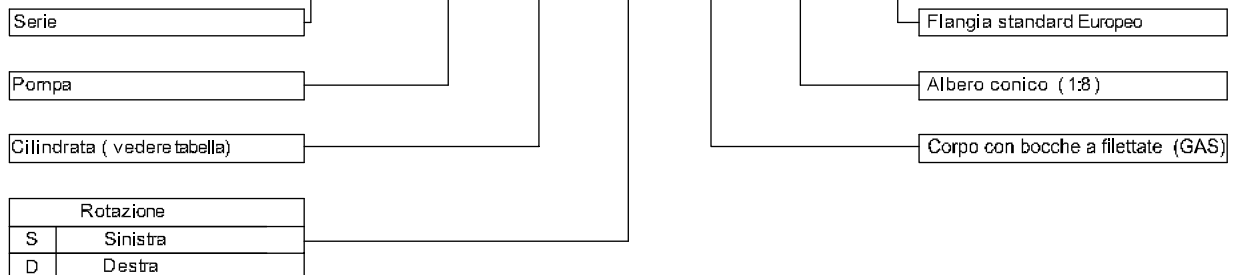


| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (g ltr/min.) | Dimensione (mm) | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------------|--------------------------------------|-------------------------------------|--------------------|-------|------------------------------|--------------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1 |



ESEMPIO DI CODICE D'ORDINAZIONE

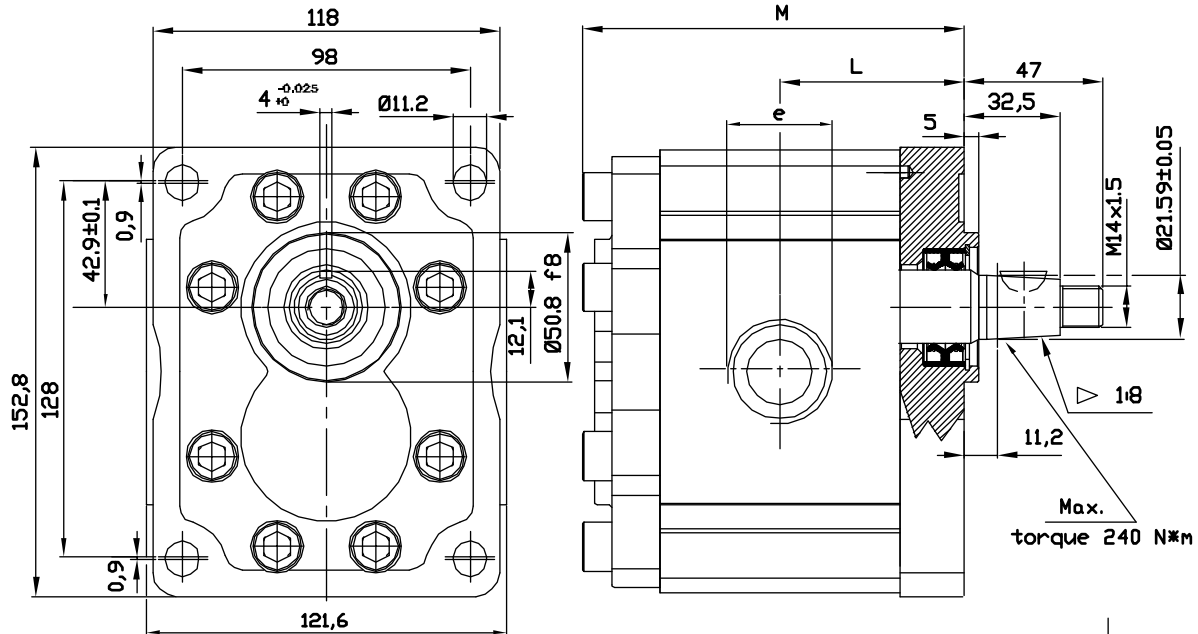
OT300 P 28 S / G 38 P3



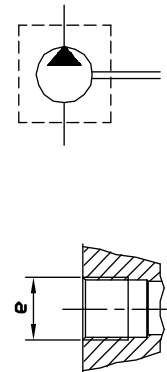
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- EUROPEAN STANDARD

VERSION: G38 P3

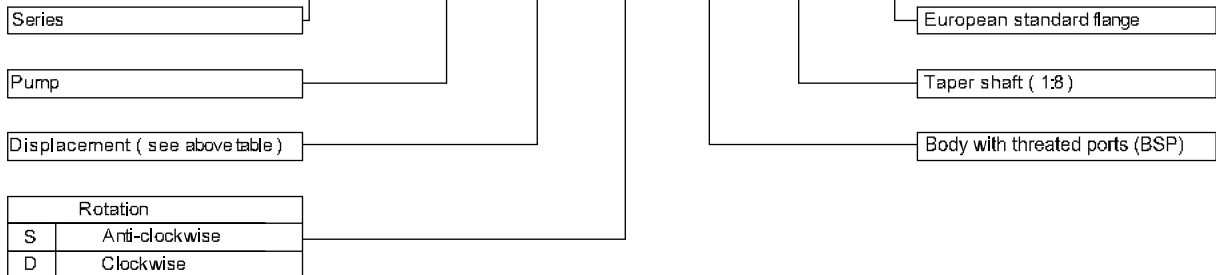


| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port e | Outlet port e |
|------------|--------------------------|-------------------------------------|---------------------------------|----------------------|------------------|-------|--------------------|---------------------|
| | | | | | (mm) | | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1 |



EXAMPLE OF ORDERING CODE

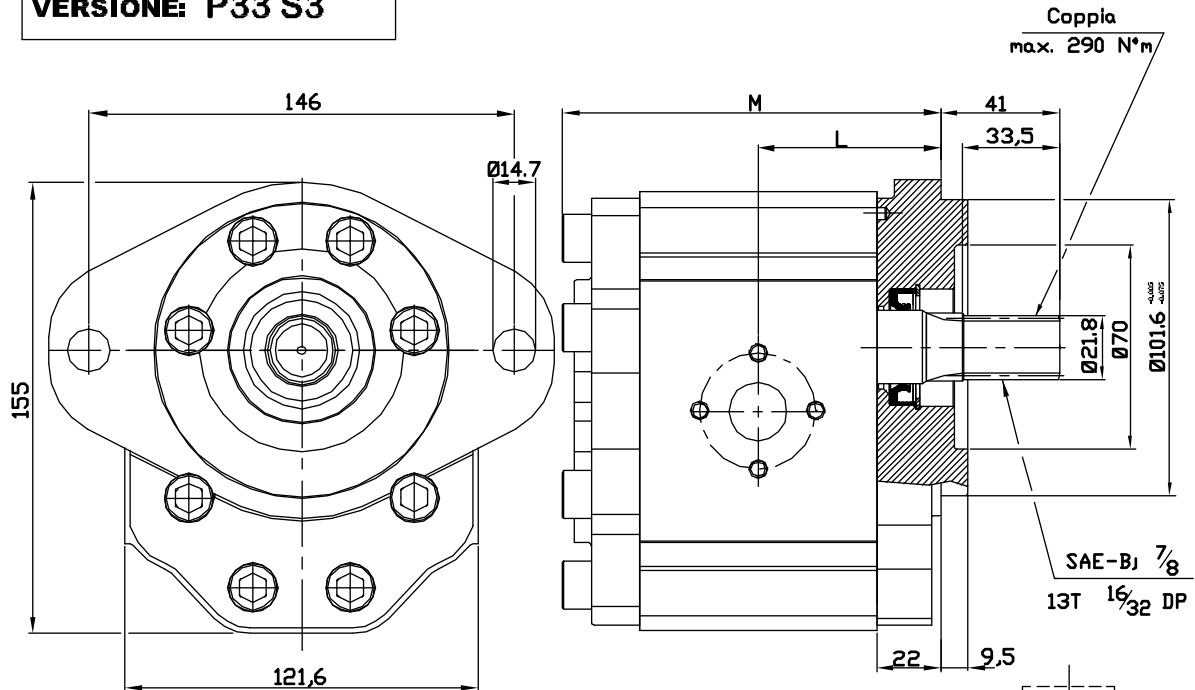
OT300 P 28 S / G 38 P3



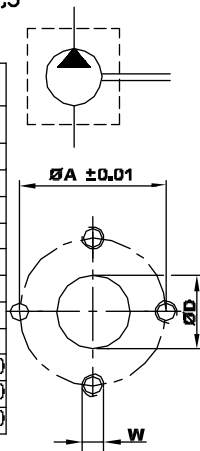
AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3- SAE "B" STANDARD

VERSIONE: P33 S3

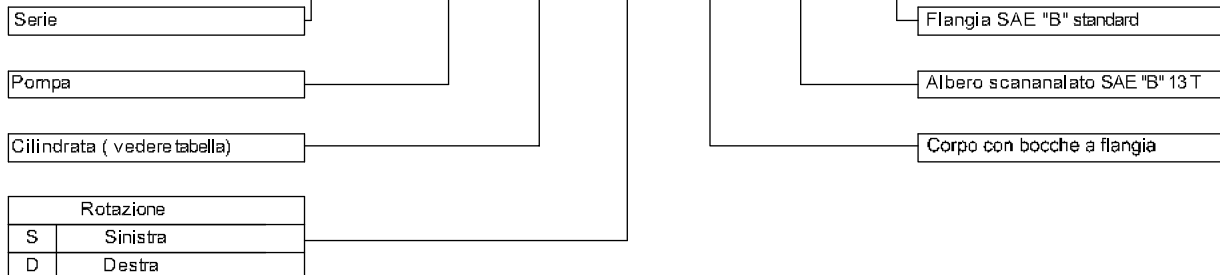


| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|------------|-------|----------------------|----|-----|------------------|----|-----|
| | | | | | L | M | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



ESEMPIO DI CODICE D'ORDINAZIONE

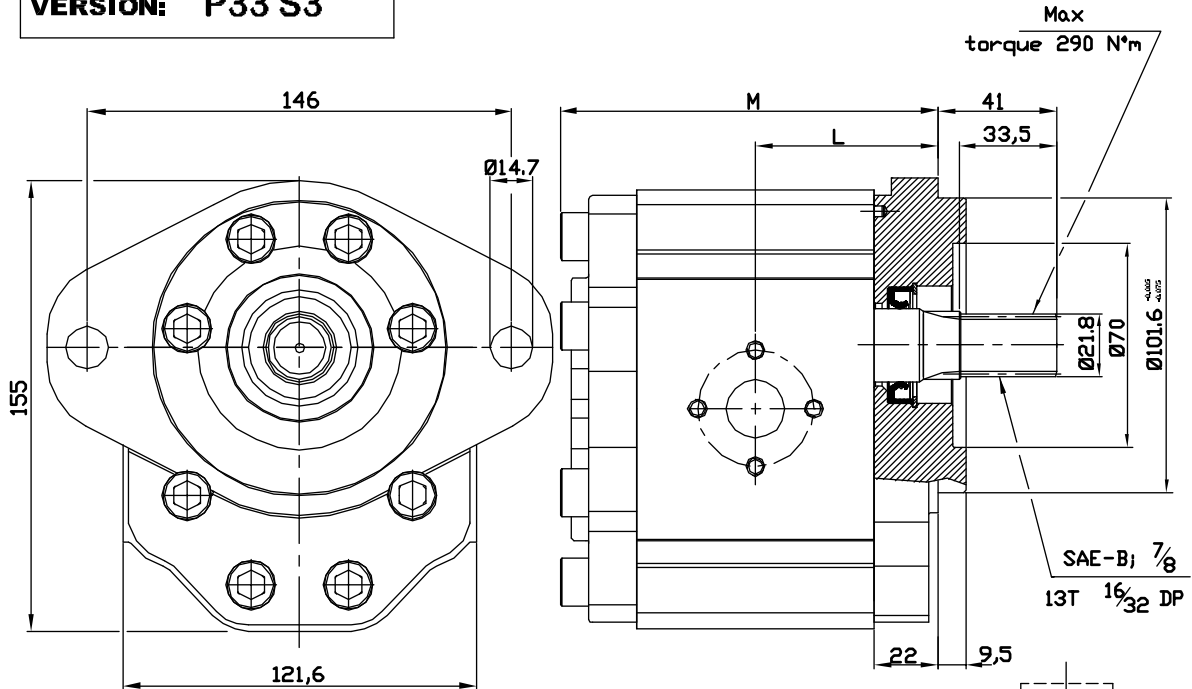
OT300 P 28 S / P 33 S3



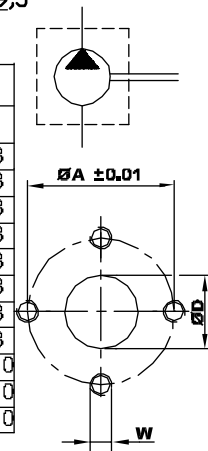
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- SAE B STANDARD

VERSION: P33 S3



| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port | | | Outlet port | | |
|------------|--------------------------|-------------------------------------|---------------------------------|----------------------|------------------|-------|------------|----|-----|-------------|----|-----|
| | | | | | (mm) | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



EXAMPLE OF ORDERING CODE

OT300 P 28 S / P 33 S3

Series

Pump

Displacement (see above table)

Rotation

| | |
|---|----------------|
| S | Anti-clockwise |
| D | Clockwise |

SAE B flange

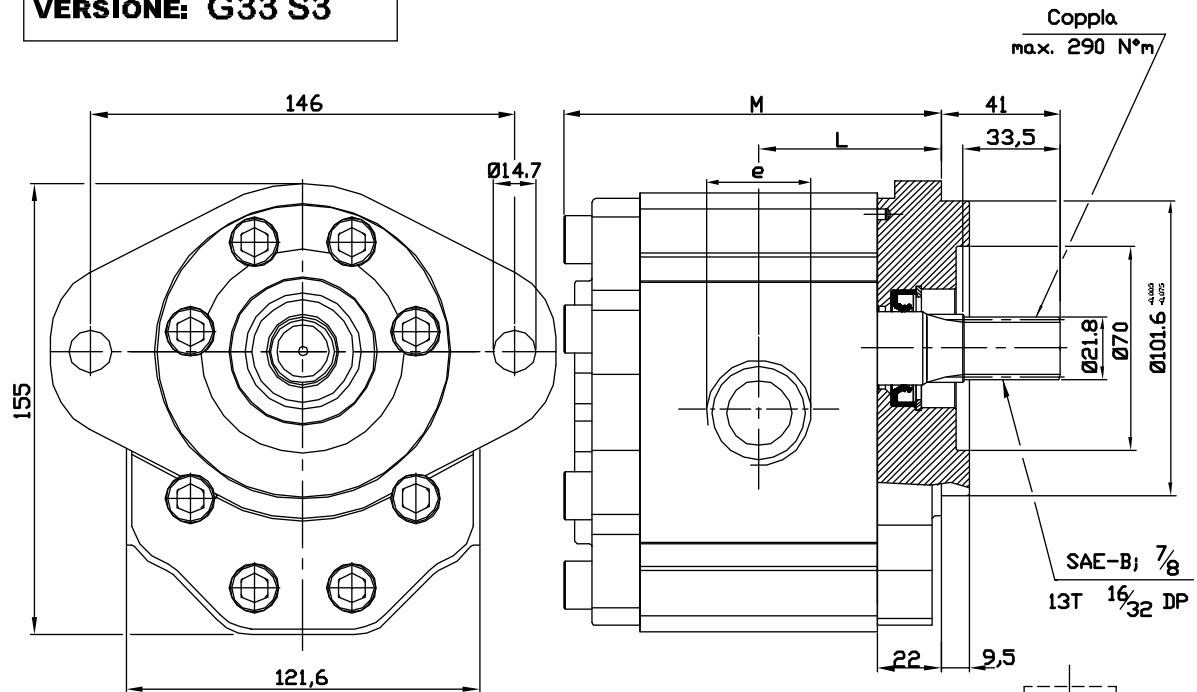
SAE B splined 13 Teeth-16/32DP

Body for European flanges

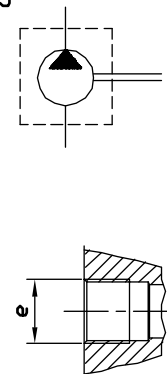
AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3- SAE "B" STANDARD

VERSIONE: G33 S3

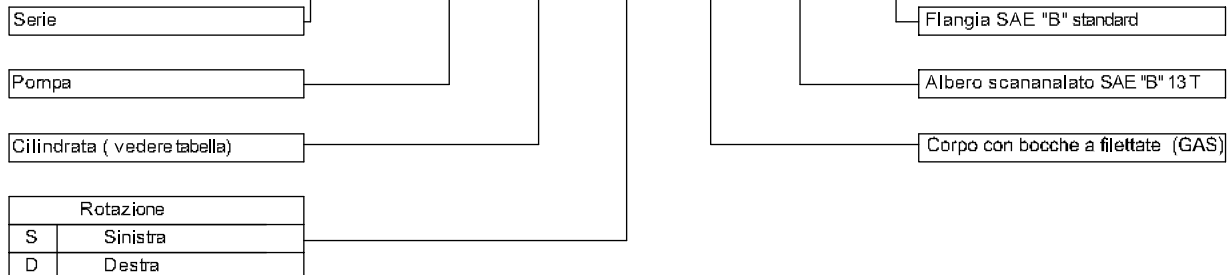


| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione (mm) | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|--------------------|-------|---------------------------|-----------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1 |



ESEMPIO DI CODICE D'ORDINAZIONE

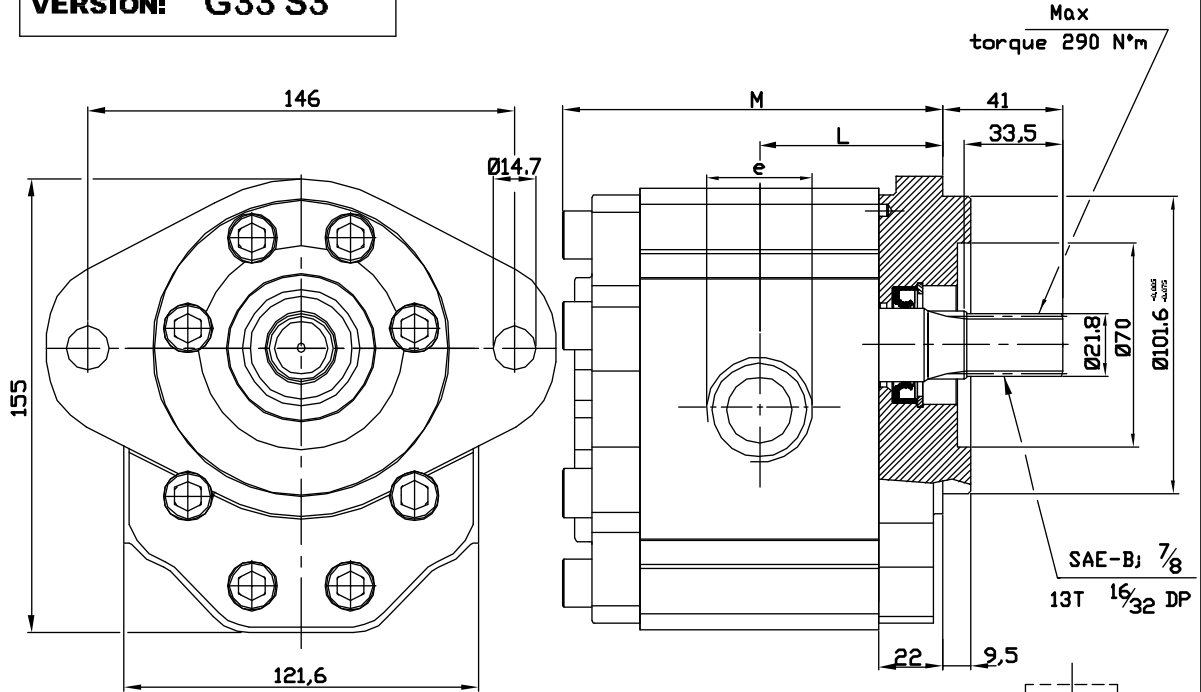
OT300 P 28 S / G 33 S3



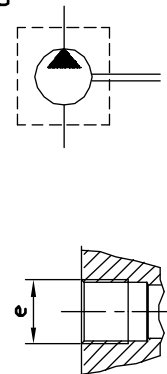
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- SAE B STANDARD

VERSION: G33 S3

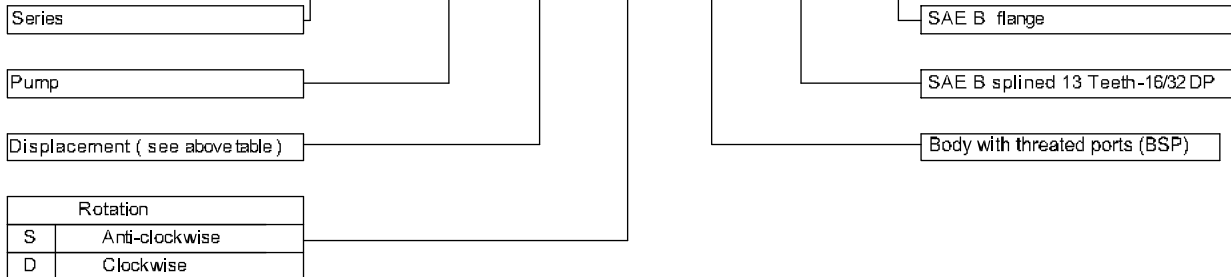


| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension | | Inlet port e | Outlet port e |
|-------------------|--------------------------|----------------------------------|---------------------------|----------------------|-----------|-------|-----------------|------------------|
| | | | | | L | M | | |
| | | | | | (mm) | | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1 |



EXAMPLE OF ORDERING CODE

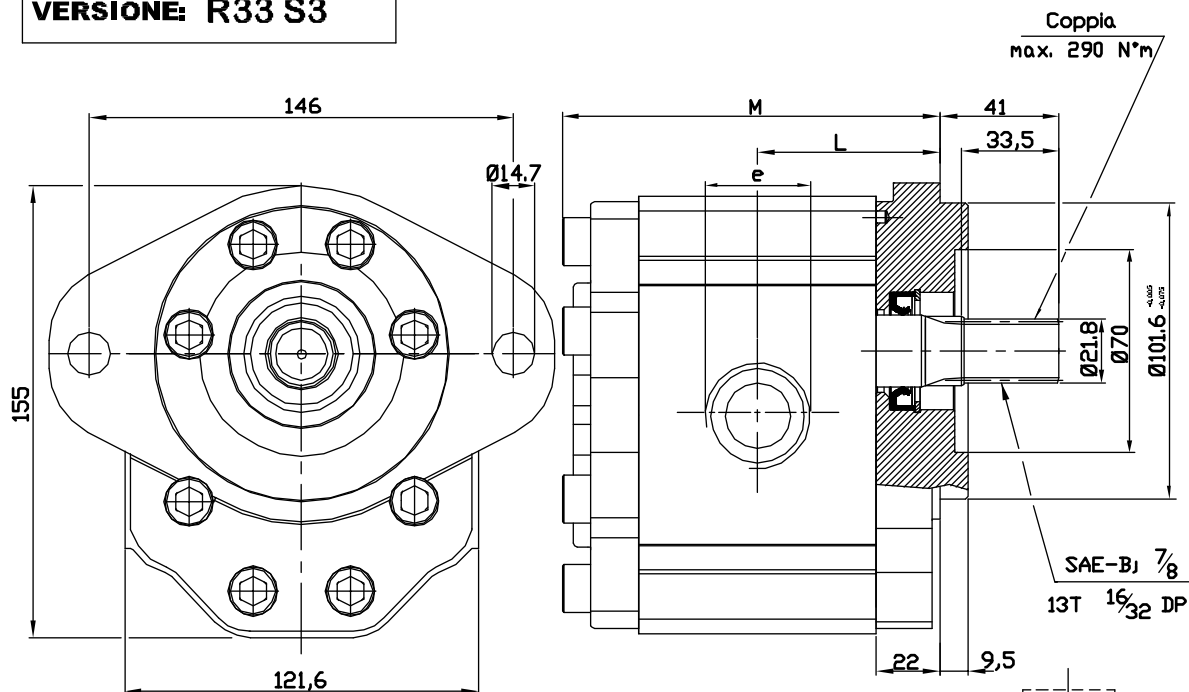
OT300 P 28 S / G 33 S3



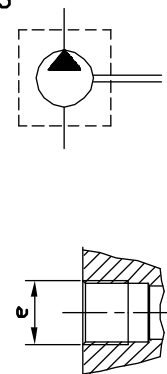
AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3- SAE "B" STANDARD

VERSIONE: R33 S3



| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione L M | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|-------------------|-------|---------------------------|-----------------------|
| | | | | | (mm) | | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 1-7/8" UNF | 1-5/8" UNF |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 28 S / R 33 S3

Serie

Pompa

Cilindrata (vedere tabella)

Rotazione

S

Sinistra

D

Destra

Flangia SAE "B" standard

Albero scanalato SAE "B" 13T

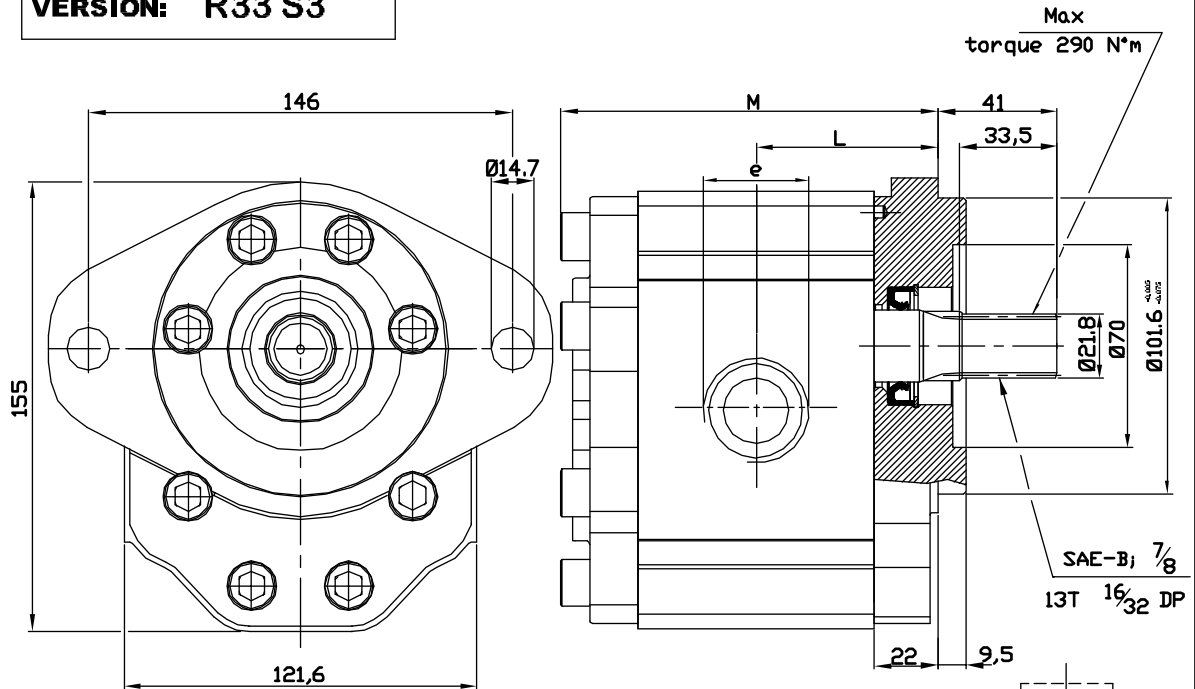
Corpo con bocche SAE filett. (UNF)



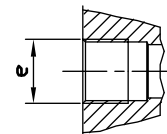
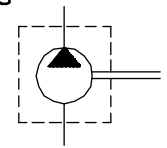
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- SAE B STANDARD

VERSION: R33 S3



| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port e | Outlet port e |
|------------|--------------------------|-------------------------------------|---------------------------------|----------------------|------------------|-------|--------------------|---------------------|
| | | | | | (mm) | | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 1-7/8" UNF | 1-5/8" UNF |



EXAMPLE OF ORDERING CODE

OT300 P 28 S / R 33 S3

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise

D Clockwise

SAE B flange

SAE B splined 13 Teeth-16/32 DP

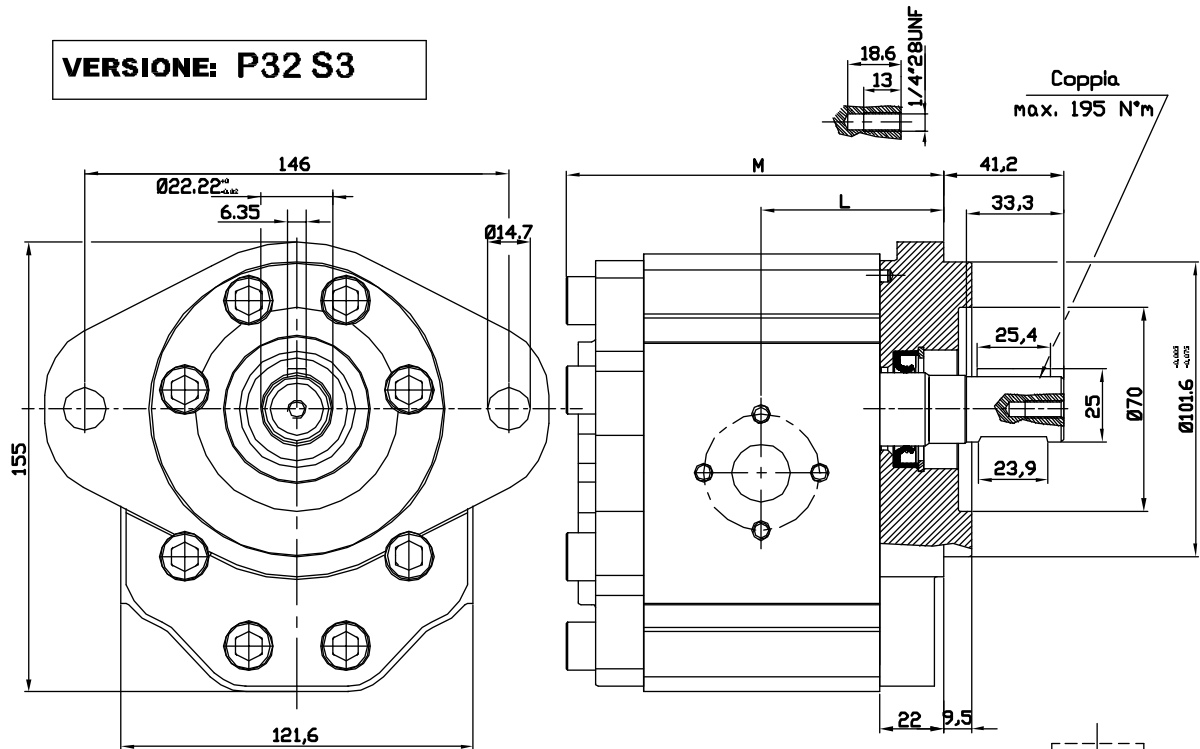
Body with O-ring boss ports



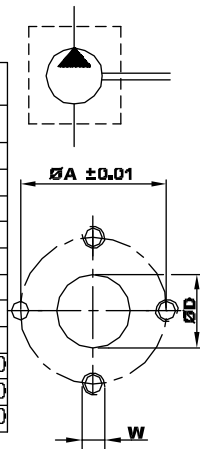
AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3- SAE "B" STANDARD

VERSIONE: P32 S3

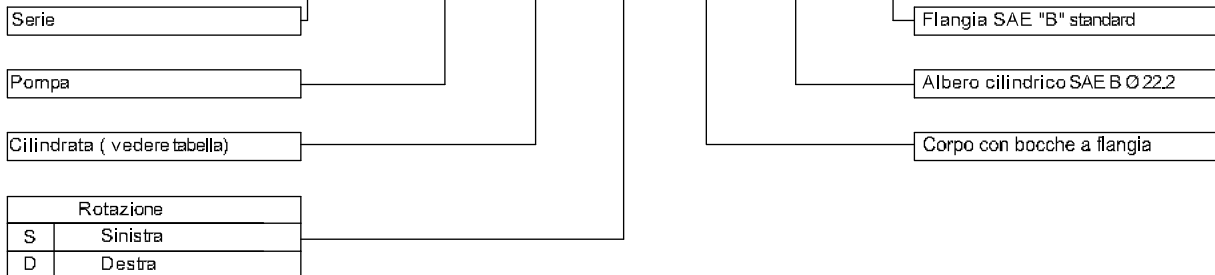


| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|------------|-------|----------------------|----|-----|------------------|----|-----|
| | | | | | L | M | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



ESEMPIO DI CODICE D'ORDINAZIONE

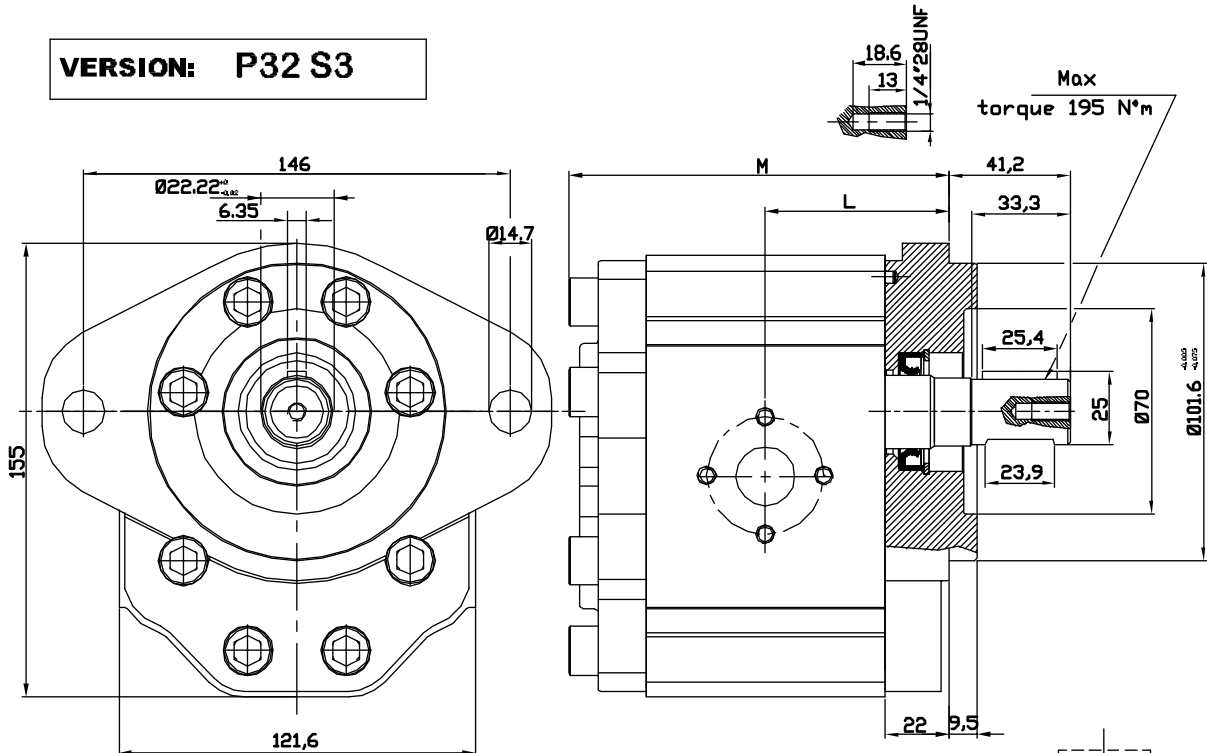
OT300 P 28 S / P 32 S3



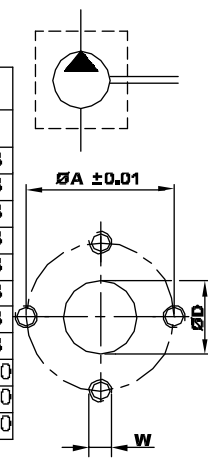
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- SAE B STANDARD

VERSION: P32 S3

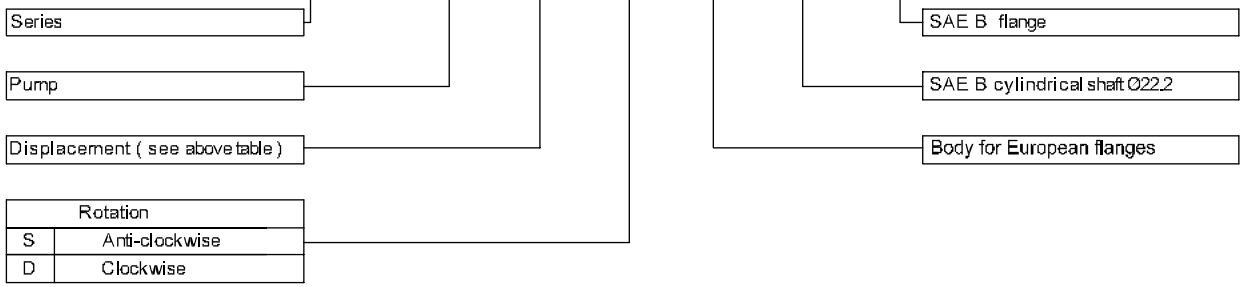


| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------------------------|---------------------------|----------------------|------------------|-------|------------|----|-----|-------------|----|-----|
| | | | | | (mm) | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



EXAMPLE OF ORDERING CODE

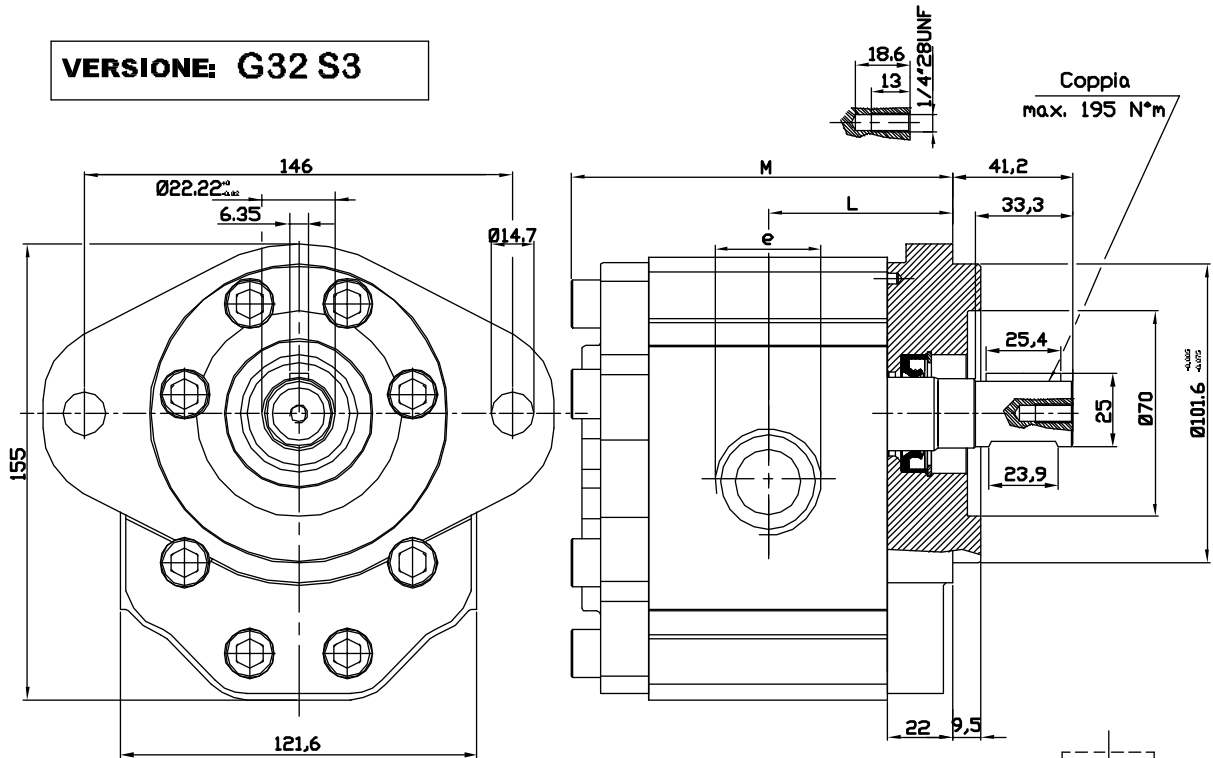
OT300 P 28 S / P 32 S3



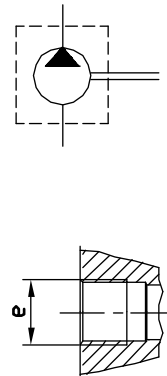
AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3- SAE "B" STANDARD

VERSIONE: G32 S3



| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocita' massima (giri/min.) | Dimensione (mm) | | Bocca di aspirazione e | Bocca di mandata e |
|------------|---------------------------|------------------------------------------------|----------------------------------------|---------------------------------------|----------------------|-------|----------------------------------|------------------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1 |



ESEMPIO DI CODICE D'ORDINAZIONE

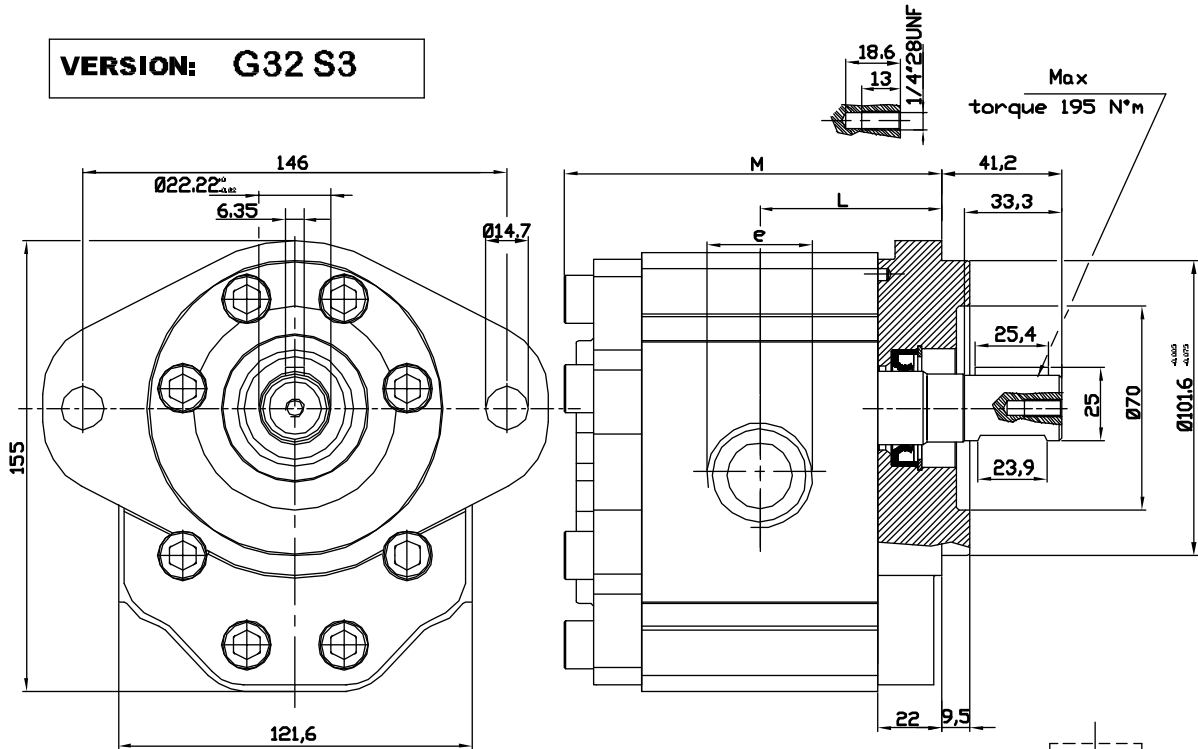
OT300 P 28 S / G 32 S3

| | | | | | | |
|-------------------------------|---|----|-------|----|----|------------------------------------|
| Serie | P | 28 | S / G | 32 | S3 | Flangia SAE "B" standard |
| Pompa | | | | | | Albero di indrico SAE B Ø 22.2 |
| Cilindrata (vedere tabella) | | | | | | Corpo con bocche a filettate (GAS) |
| Rotazione | S | | | | | |
| | D | | | | | |

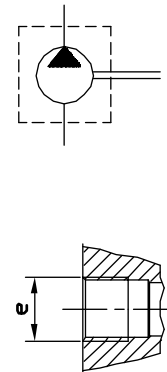
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- SAE B STANDARD

VERSION: G32 S3

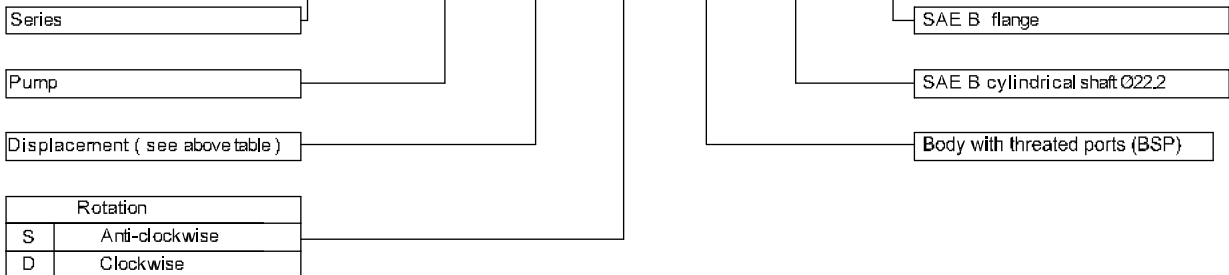


| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M (mm) | | Inlet port e | Outlet port e |
|------------|--------------------------|-------------------------------------|---------------------------------|----------------------|----------------------------|-------|-----------------|------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1 |



EXAMPLE OF ORDERING CODE

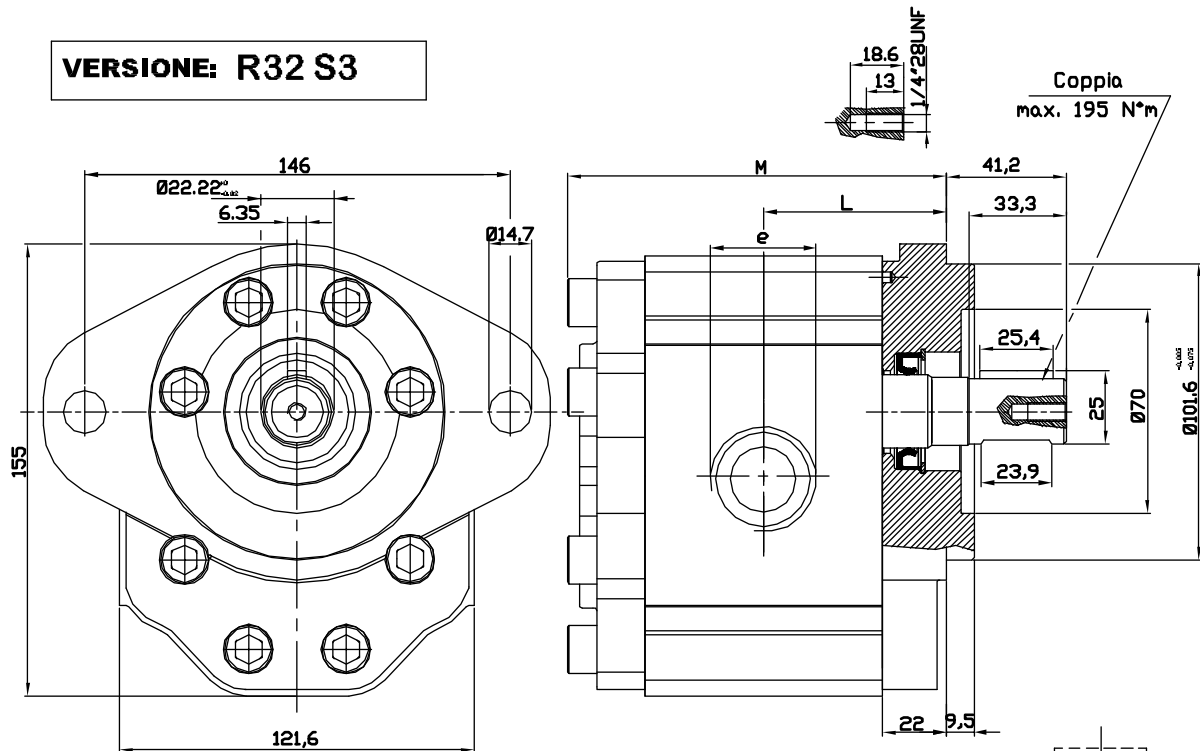
OT300 P 28 S / G 32 S3



AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3- SAE "B" STANDARD

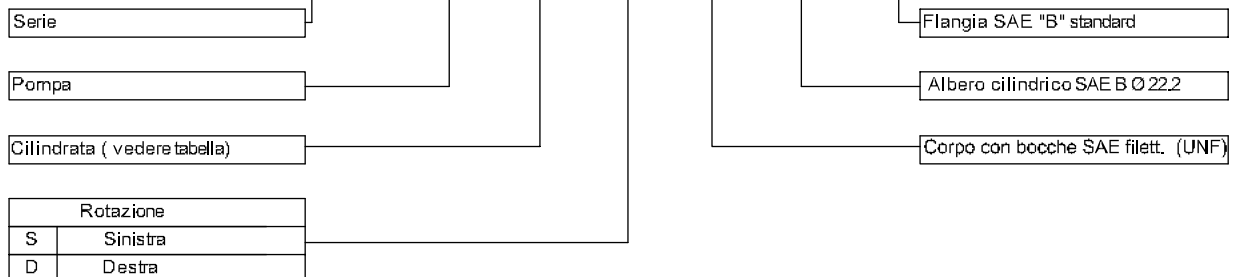
VERSIONE: R32 S3



| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------------|--------------------------------------|------------------------------------|------------|-------|------------------------------|--------------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 1-7/8" UNF | 1-5/8" UNF |

ESEMPIO DI CODICE D'ORDINAZIONE

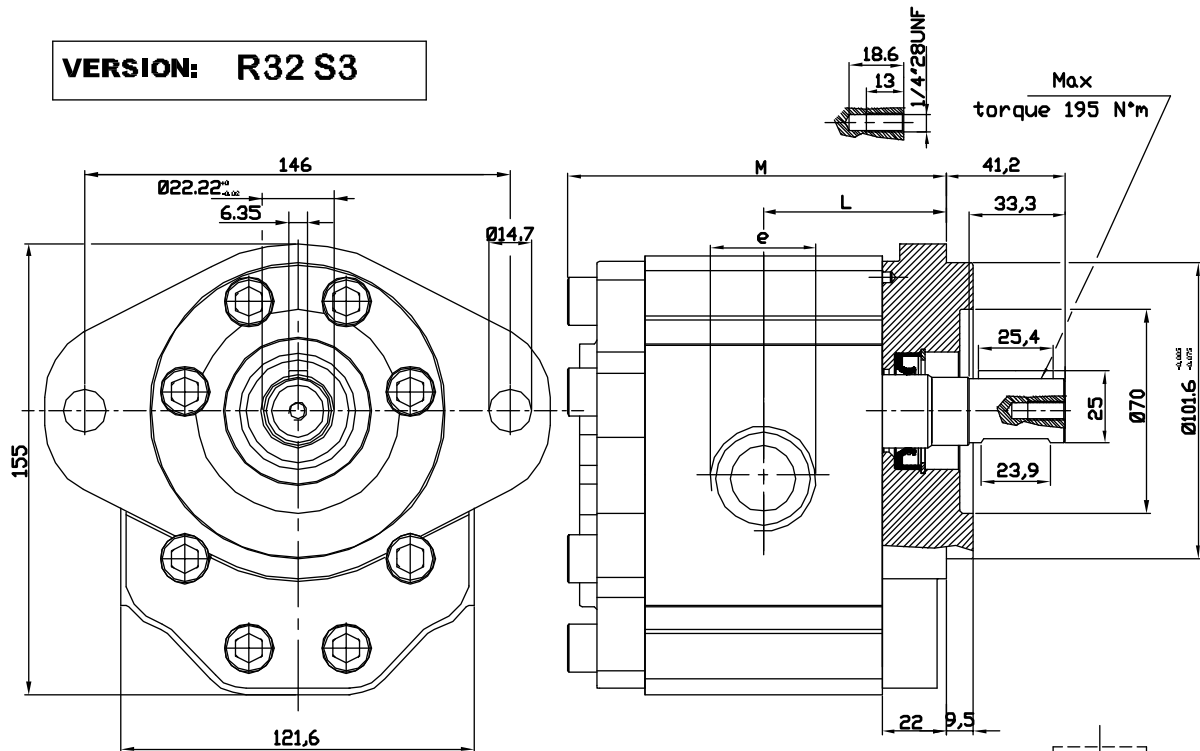
OT300 P 28 S / R 32 S3



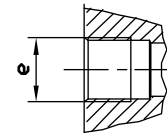
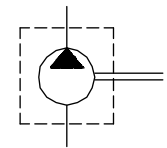
DISPONIBILE PER QUANTITA'

GROUP 3 PUMPS- SAE B STANDARD

VERSION: R32 S3



| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension (mm) | | Inlet port e | Outlet port e |
|------------|--------------------------|----------------------------------|---------------------------|----------------------|-------------------|-------|-----------------|------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 57,4 | 119,3 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 59,7 | 123,7 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 61,2 | 126,9 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 63,5 | 131,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 65,0 | 134,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 72,3 | 149,1 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 74,2 | 152,9 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 78,0 | 160,5 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 81,9 | 168,2 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 85,3 | 175,1 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 88,3 | 181,1 | 1-7/8" UNF | 1-5/8" UNF |



EXAMPLE OF ORDERING CODE

OT300 P 28 S / R 32 S3

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise

D Clockwise

SAE B flange

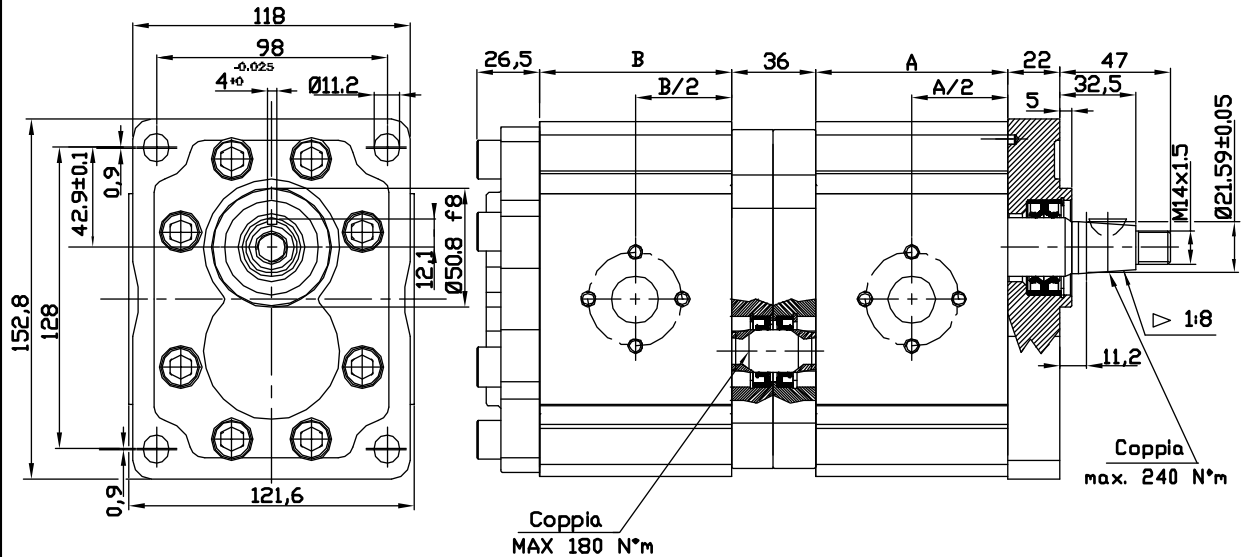
SAE B cylindrical shaft Ø22.2

Body with O-ring boss ports

AVAILABLE FOR QUANTITIES

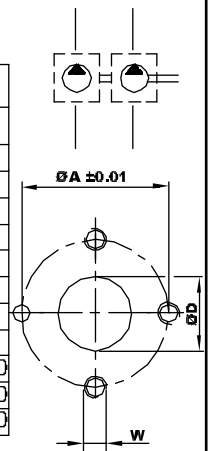
POMPE GRUPPO 3- TANDEM

VERSIONE: P38 P3



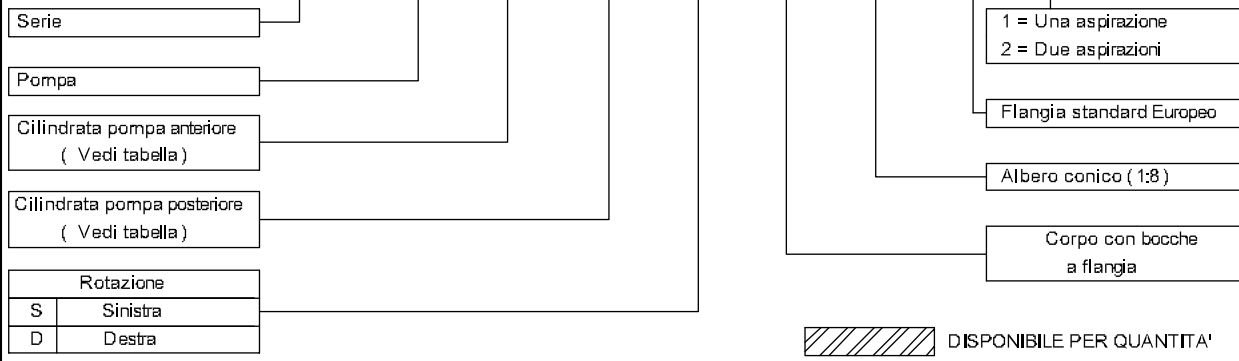
NOTA: La pompa con cilindrata maggiore deve essere preferibilmente la frontale

| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|------------|-------|----------------------|----|-----|------------------|----|-----|
| | | | | | A | B | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |



ESEMPIO DI CODICE D'ORDINAZIONE

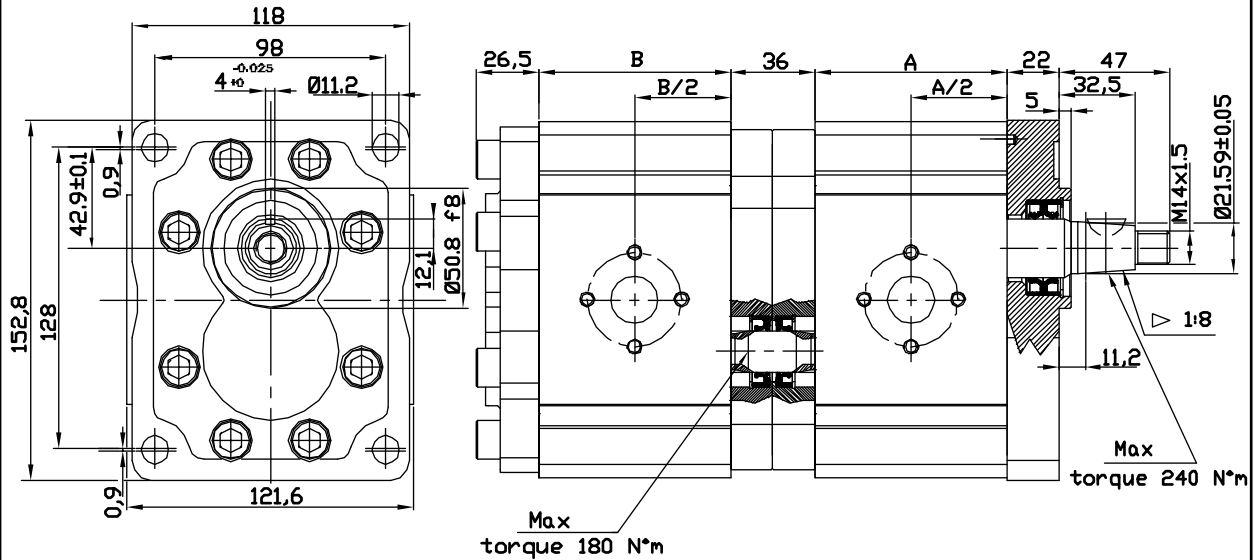
OT300 P 48 / 22 S / P 38 P3 / 2



DISPONIBILE PER QUANTITA'

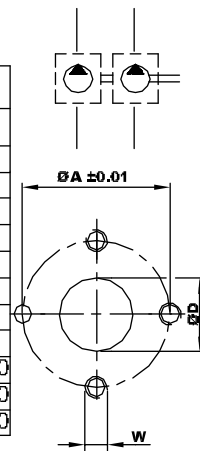
GROUP 3 PUMPS- TANDEM

VERSION: P38 P3



NOTE: The biggest displacement pump must be in the front position

| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------------------------|---------------------------|----------------------|------------------|-------|------------|----|-----|-------------|----|-----|
| | | | | | (mm) | (mm) | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |



EXAMPLE OF ORDERING CODE

OT300 P 48 / 22 S / P 38 P3 / 2

Series

Pump

Front pump displacement
(see above table)

Second pump displacement
(see above table)

Rotation

S Anti-clockwise
D Clockwise

1 = One inlet port
2 = Two inlet ports

European standard flange

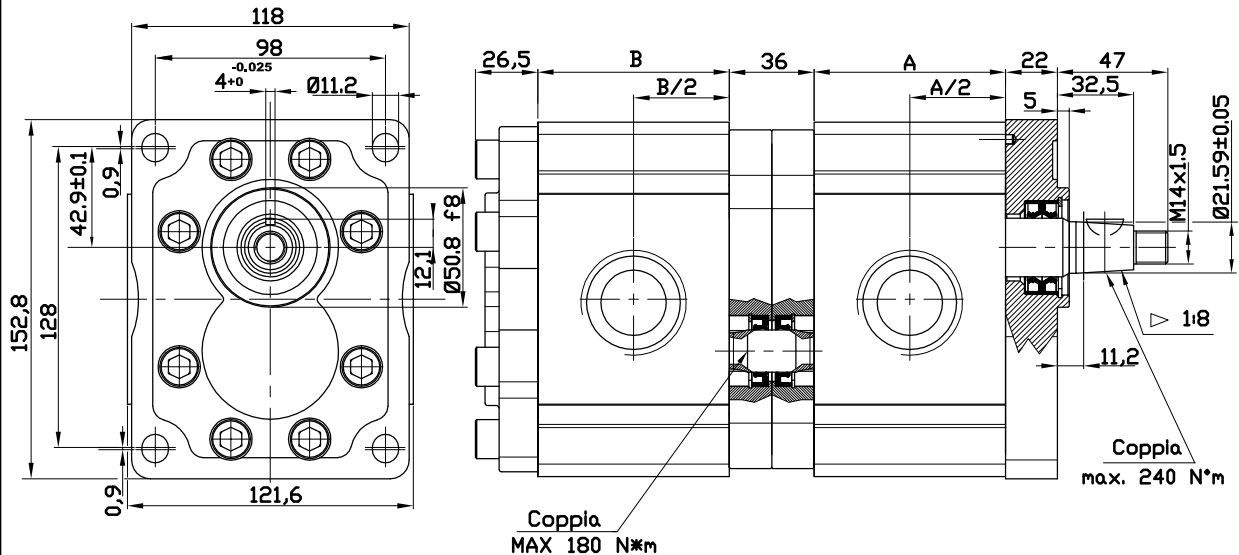
Taper shaft (1:8)

Body for European flanges

AVAILABLE FOR QUANTITIES

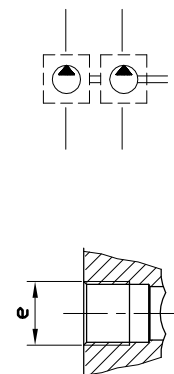
POMPE GRUPPO 3- TANDEM

VERSIONE: G38 P3



NOTA: La pompa con cilindrata maggiore deve essere preferibilmente la frontale

| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|------------|-------|---------------------------|-----------------------|
| | | | | | A | B | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | G 1+1/4 | G 1 |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 48 / 22 S / G 38 P3 / 2

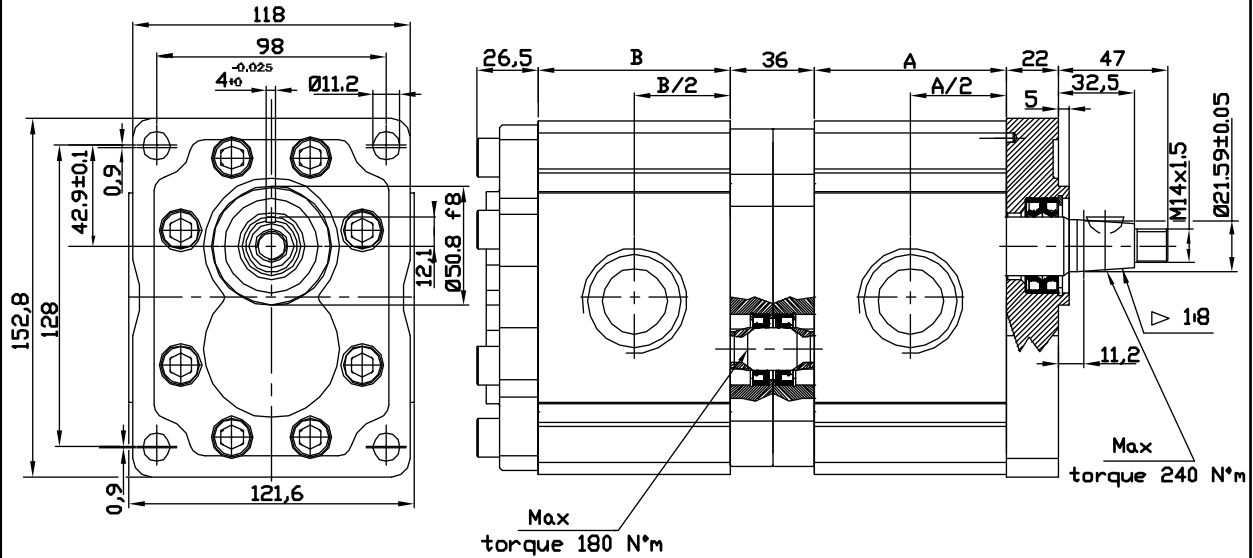
| | |
|-------------------------------------------------|----------|
| Serie | OT300 |
| Pompa | P |
| Cilindrata pompa anteriore (Vedi tabella) | 48 |
| Cilindrata pompa posteriore (Vedi tabella) | 22 |
| Rotazione | S |
| S | Sinistra |
| D | Destra |

| | |
|--------------------------------------------|----|
| 1 = Una aspirazione 2 = Due aspirazioni | 2 |
| Flangia standard Europeo | G |
| Albero conico (1:8) | S |
| Corpo con bocche filettate BSP | P3 |

DISPONIBILE PER QUANTITA'

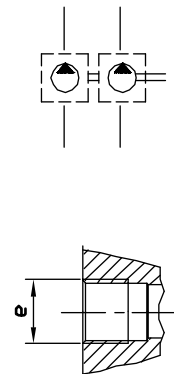
GROUP 3 PUMPS- TANDEM

VERSION: G38 P3



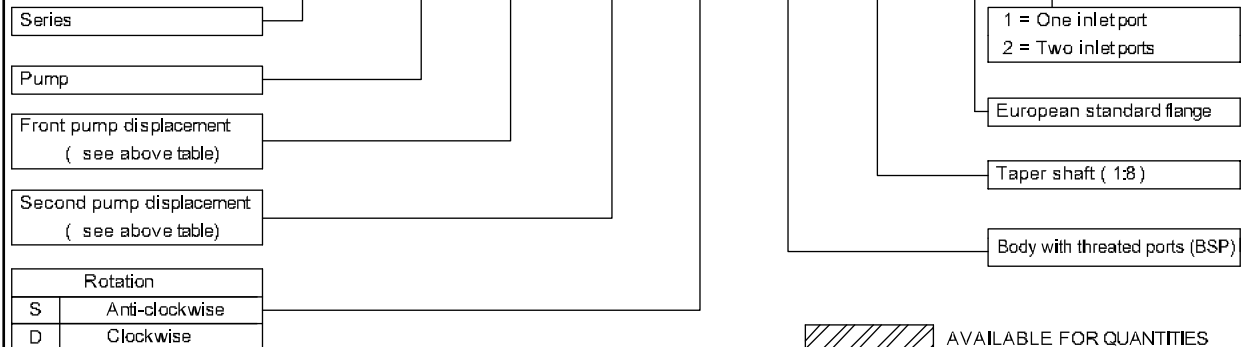
NOTE: The biggest displacement pump must be in the front position

| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 | Max speed (r.p.m) | Dimension L M | | Inlet port e | Outlet port e |
|------------|--------------------------|----------------------------------|------------------|----------------------|------------------|-------|-----------------|------------------|
| | | | | | (mm) | (mm) | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | G 1+1/4 | G 1 |



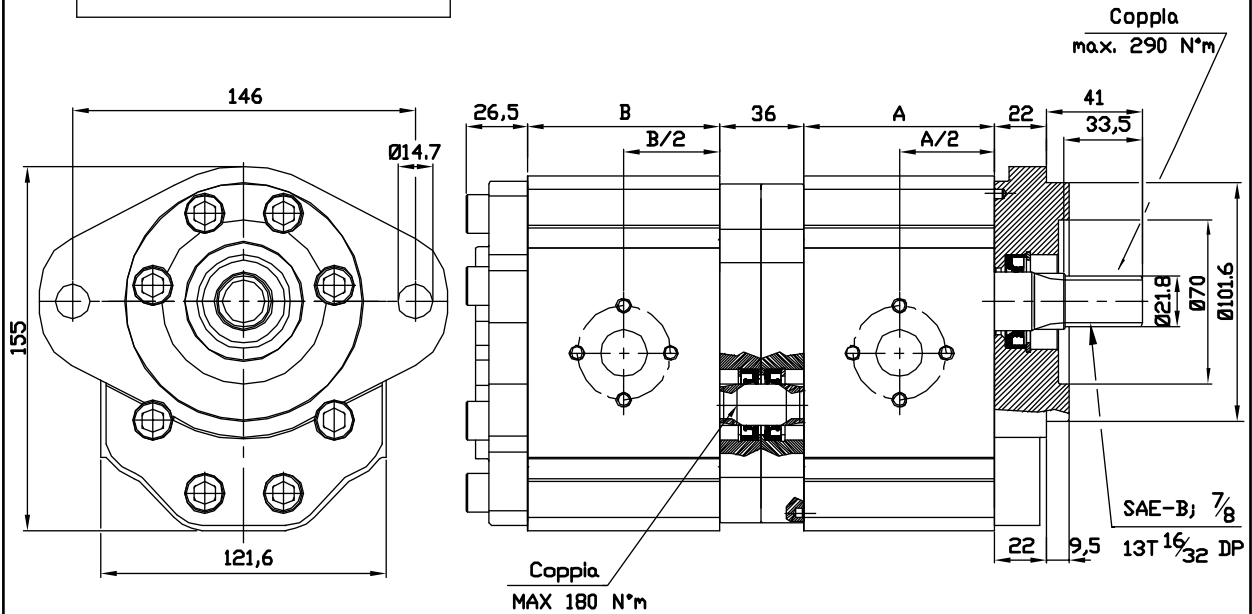
EXAMPLE OF ORDERING CODE

OT300 P 48 / 22 S / G 38 P3 / 2



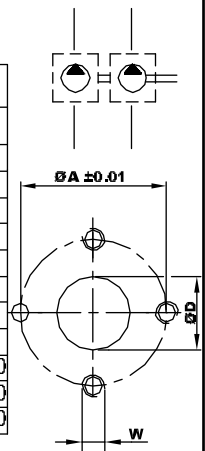
POMPE GRUPPO 3- TANDEM

VERSIONE: P33 S3



NOTA: La pompa con cilindrata maggiore deve essere preferibilmente la frontale

| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|------------|-------|----------------------|----|-----|------------------|----|-----|
| | | | | | A | B | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 48 / 22 S / P 33 S3 / 2

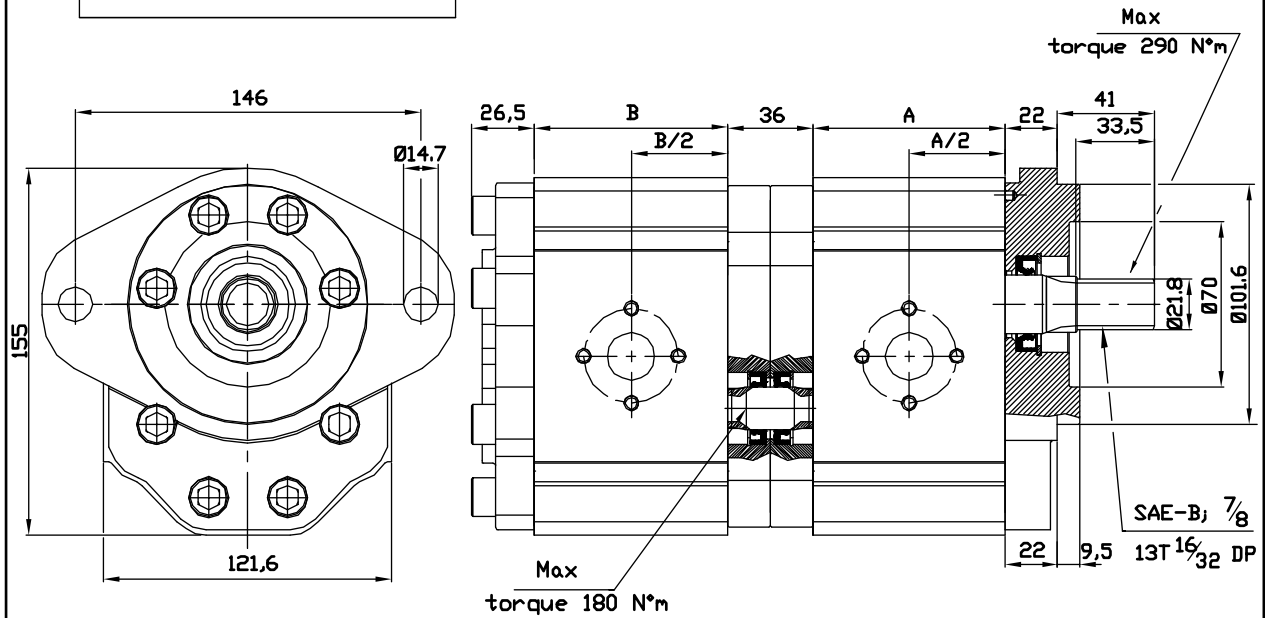
| | |
|-------------------------------------------------|----------|
| Serie | OT300 |
| Pompa | P |
| Cilindrata pompa anteriore (Vedi tabella) | 48 |
| Cilindrata pompa posteriore (Vedi tabella) | 22 |
| Rotazione | S |
| S | Sinistra |
| D | Destra |

- 1 = Una aspirazione
2 = Due aspirazioni
- Flangia SAE "B" standard
- Albero SAE "B" 13T
- Corpo con bocche a flangia

DISPONIBILE PER QUANTITA'

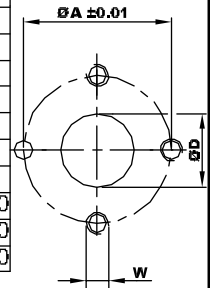
GROUP 3 PUMPS- TANDEM

VERSION: P33 S3



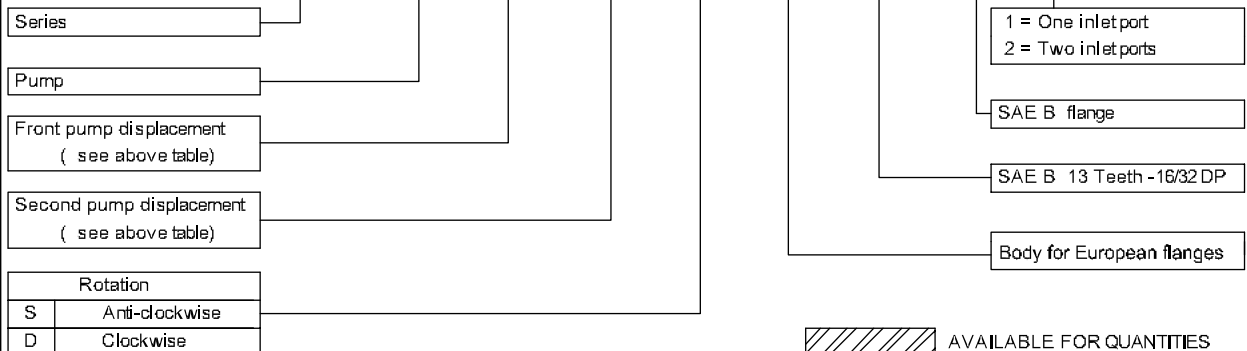
NOTE: The biggest displacement pump must be in the front position

| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------------------------|---------------------------|----------------------|------------------|-------|------------|----|-----|-------------|----|-----|
| | | | | | (mm) | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |



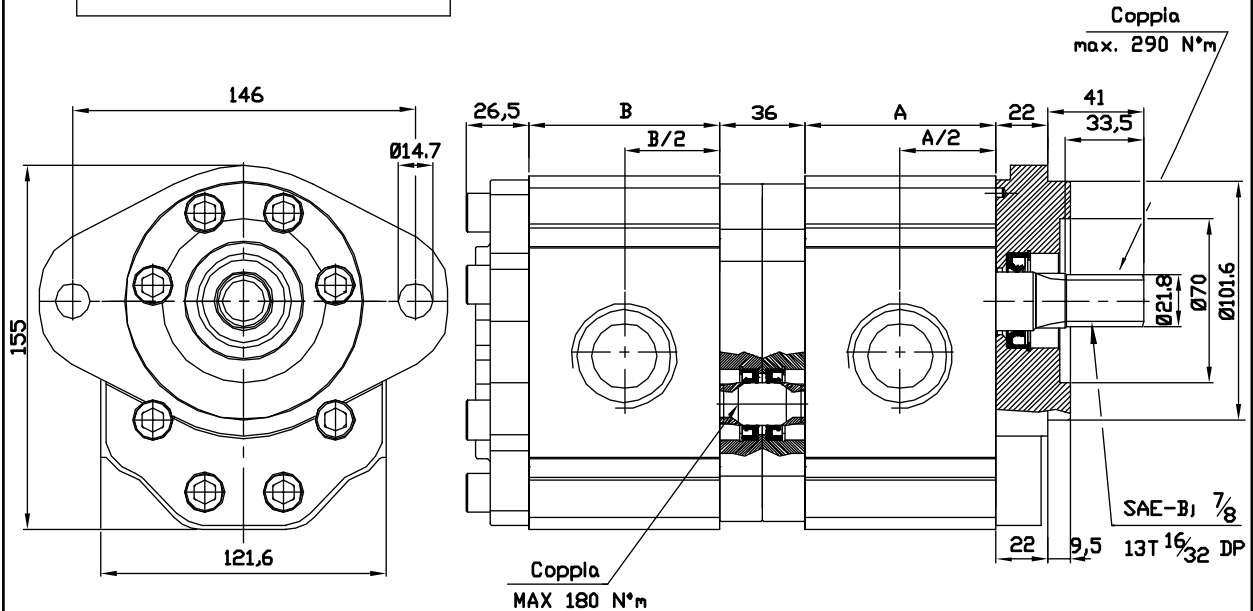
EXAMPLE OF ORDERING CODE

OT300 P 48 / 22 S / P 33 S3 / 2



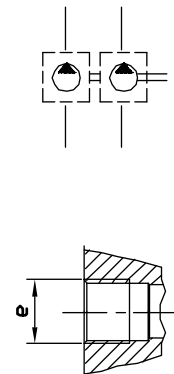
POMPE GRUPPO 3- TANDEM

VERSIONE: G33 S3



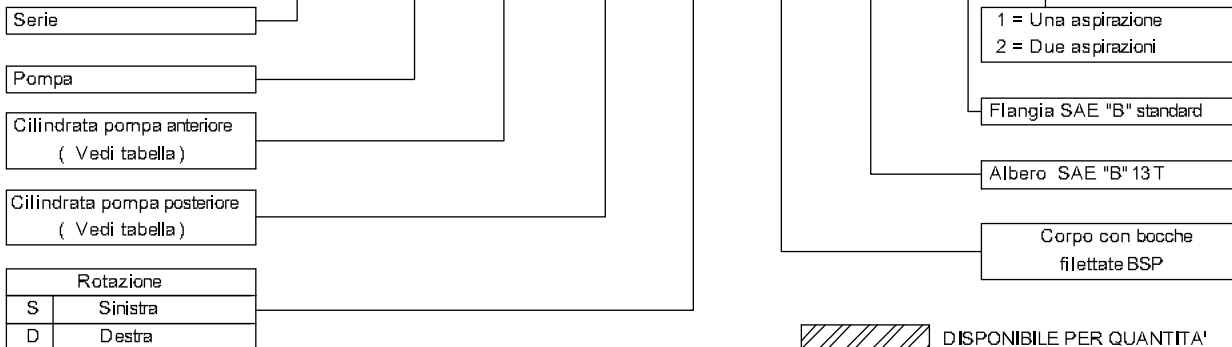
NOTA: La pompa con cilindrata maggiore deve essere preferibilmente la frontale

| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------|--------------------------------|---------------------------------|------------|-------|---------------------------|-----------------------|
| | | | | | A | B | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | G 1+1/4 | G 1 |



ESEMPIO DI CODICE D'ORDINAZIONE

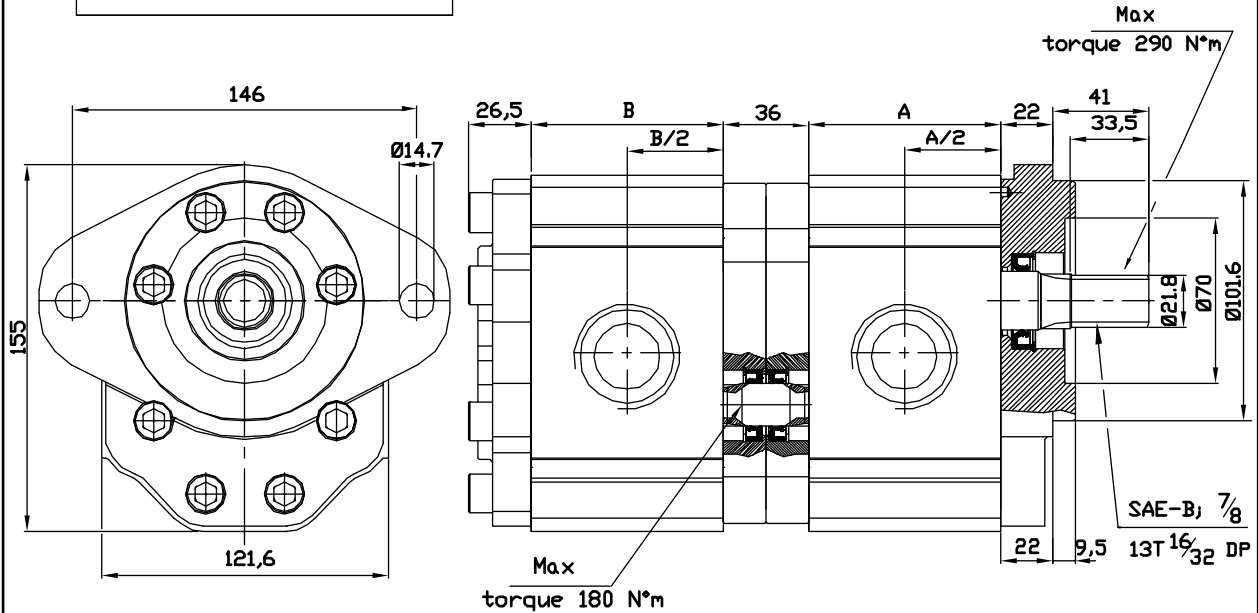
OT300 P 48 / 22 S / G 33 S3 / 2



DISPONIBILE PER QUANTITA'

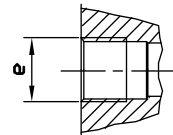
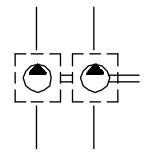
GROUP 3 PUMPS- TANDEM

VERSION: G33 S3



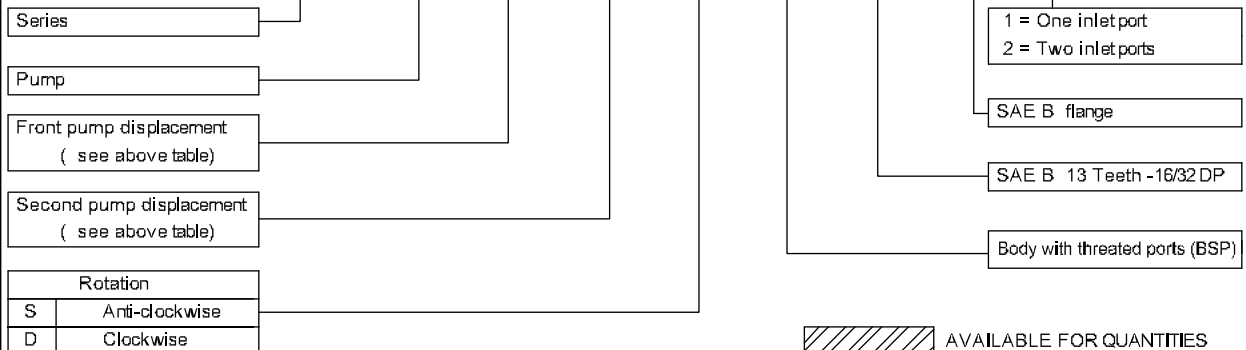
NOTE: The biggest displacement pump must be in the front position

| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 | Max speed (r.p.m) | Dimension (mm) | | Inlet port e | Outlet port e |
|------------|--------------------------|----------------------------------|------------------|----------------------|-------------------|-------|-----------------|------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | G 1+1/4 | G 1 |



EXAMPLE OF ORDERING CODE

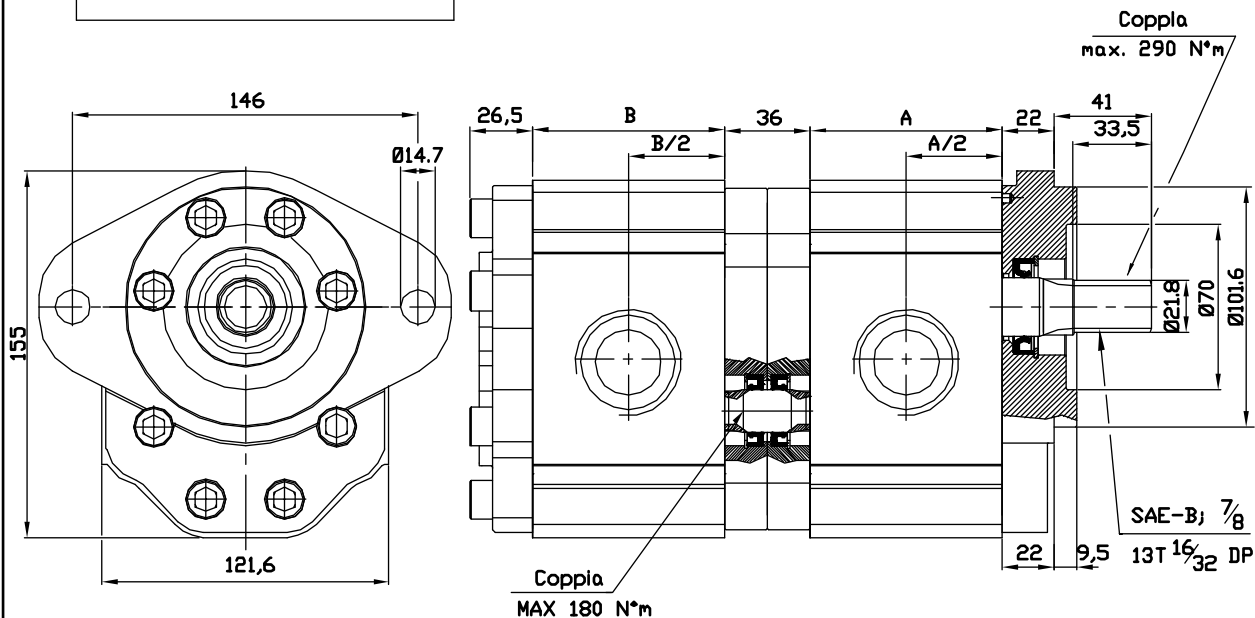
OT300 P 48 / 22 S / G 33 S3 / 2



AVAILABLE FOR QUANTITIES

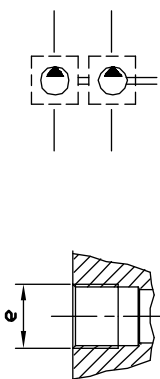
POMPE GRUPPO 3- TANDEM

VERSIONE: R33 S3



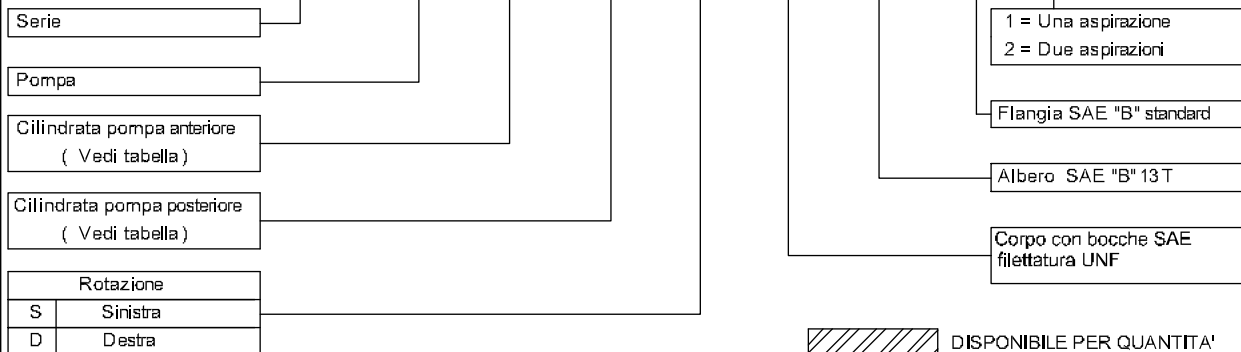
NOTA: La pompa con cilindrata maggiore deve essere preferibilmente la frontale

| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/mn.) | Dimensione | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------|--------------------------------|--------------------------------|------------|-------|---------------------------|-----------------------|
| | | | | | A | B | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | 1-7/8" UNF | 1-5/8" UNF |



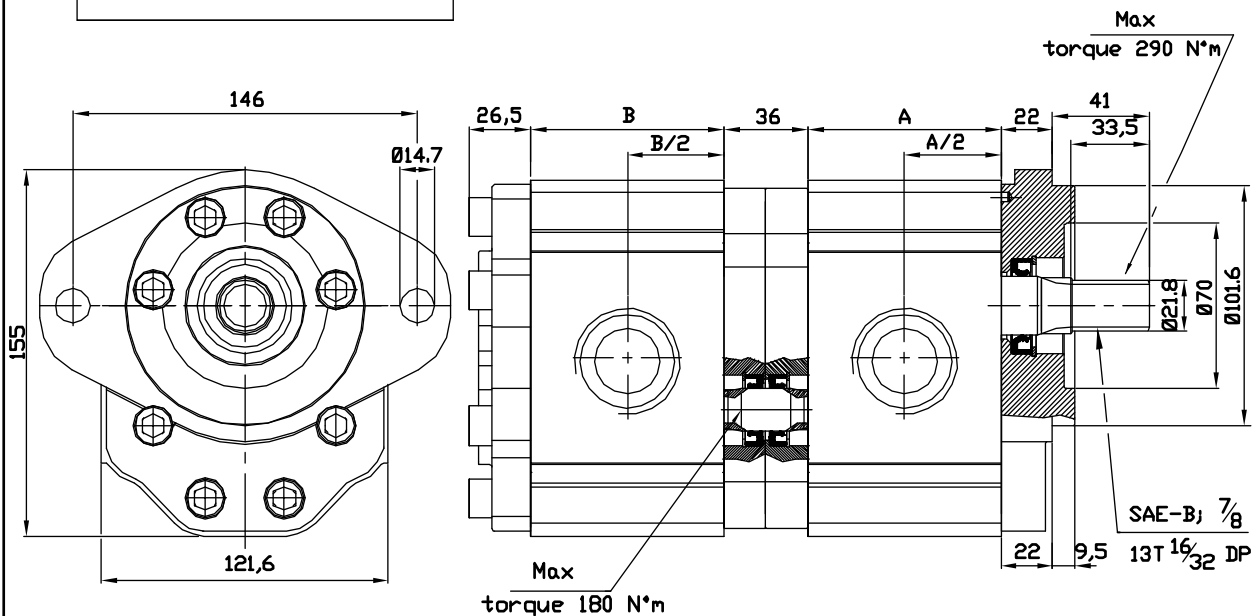
ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 48 / 22 S / R 33 S3 / 2



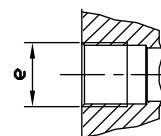
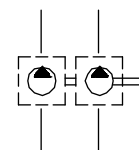
GROUP 3 PUMPS- TANDEM

VERSION: R33 S3



NOTE: The biggest displacement pump must be in the front position

| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port e | Outlet port e |
|------------|--------------------------|----------------------------------|---------------------------|----------------------|------------------|-------|-----------------|------------------|
| | | | | | (mm) | | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 70,8 | 70,8 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 75,4 | 75,4 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 78,4 | 78,4 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 83,0 | 83,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 86,0 | 86,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 100,6 | 100,6 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 104,4 | 104,4 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 112,0 | 112,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 119,7 | 119,7 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 126,6 | 126,6 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 132,6 | 132,6 | 1-7/8" UNF | 1-5/8" UNF |



EXAMPLE OF ORDERING CODE

OT300 P 48 / 22 S / R 33 S3 / 2

Series

Pump

Front pump displacement
(see above table)

Second pump displacement
(see above table)

Rotation

S Anti-clockwise

D Clockwise

1 = One inlet port
2 = Two inlet ports

SAE B flange

SAE B 13 Teeth -16/32 DP

Body with O-ring boss ports

AVAILABLE FOR QUANTITIES

POMPE TANDEM- OT300+OT200

VERSIONE: P38 P3

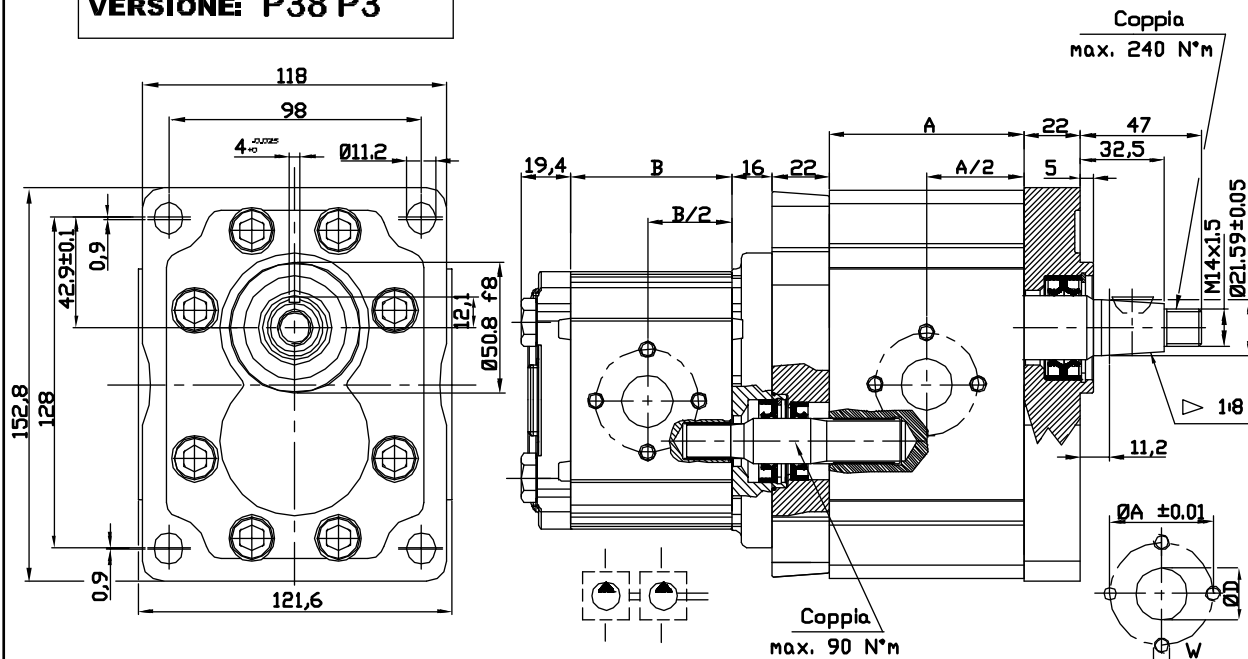


TABELLA OT300

| Tipo | Cilindrata (cc/giro) | Dim. A (mm) | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|---------------------------|---------------------|----------------------|----|-----|------------------|----|-----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |

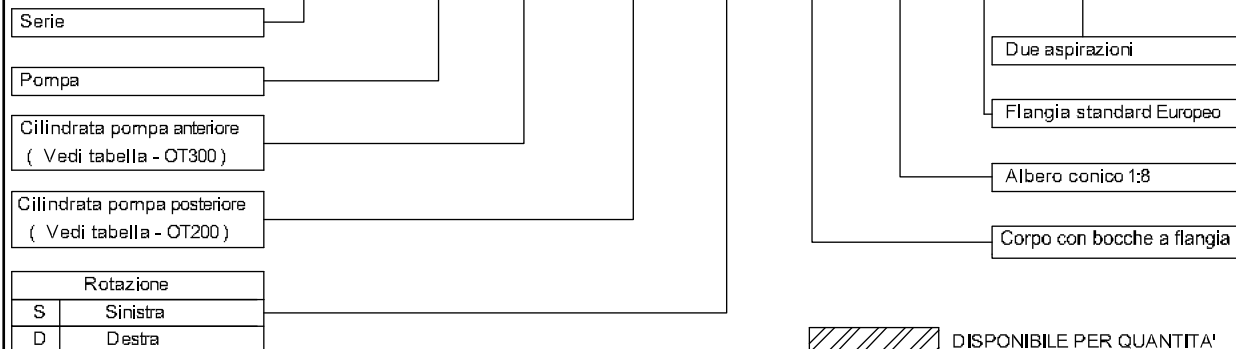
TABELLA OT200

| Tipo | Cilindrata (cc/giro) | Dim. B (mm) | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|---------------------------|---------------------|----------------------|----|----|------------------|----|----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 200 P04 | 04,10 | 48,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P06 | 06,20 | 51,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P08 | 08,20 | 54,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P11 | 11,20 | 58,30 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P14 | 14,00 | 62,30 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P16 | 16,00 | 65,20 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P20 | 20,00 | 71,00 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P22 | 22,50 | 82,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P25 | 25,10 | 86,50 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P28 | 28,00 | 90,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P30 | 30,00 | 93,50 | 20 | 40 | M8 | 13 | 30 | M6 |

NOTE: Per definire le relative pressioni di funzionamento consultare i fogli delle corrispondenti pompe singole.

ESEMPIO DI CODICE D'ORDINAZIONE

OT300/200 P 38 / 16 S / P 38 P3 / 2



TANDEM PUMPS- OT300+OT200

VERSION: P38 P3

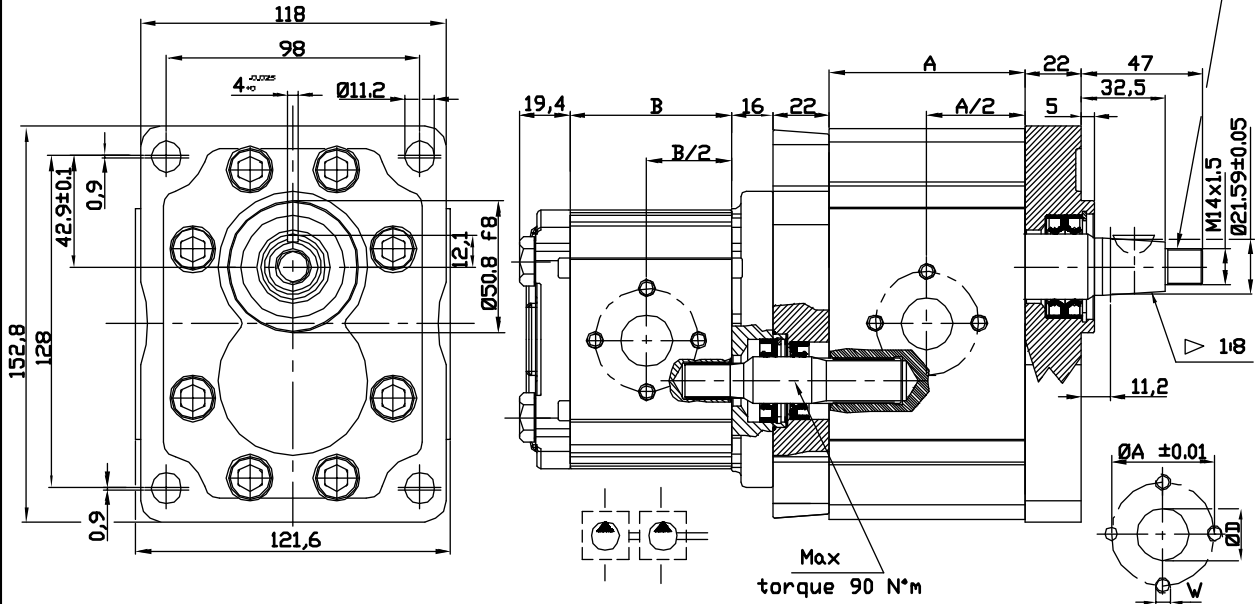


TABLE OT300

| Type | Displacement (cc/rev) | Dim. A (mm) | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------|------------|----|-----|-------------|----|-----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |

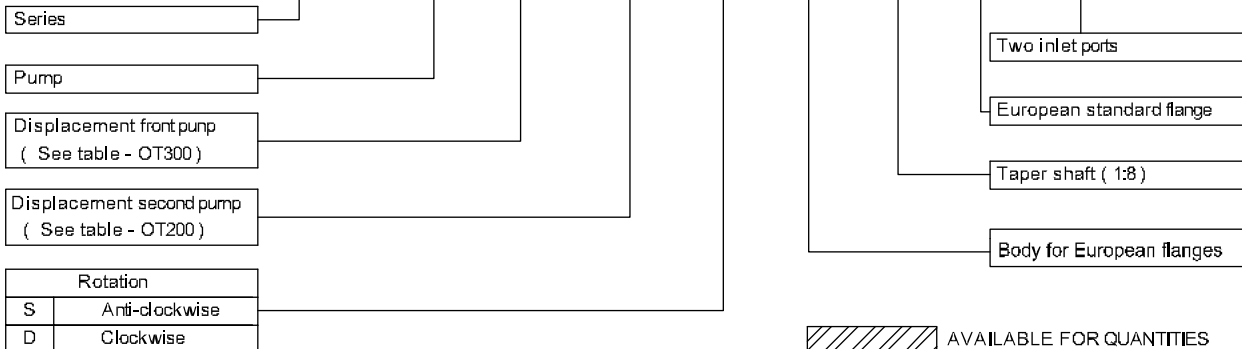
TABLE OT200

| Type | Displacement (cc/rev) | Dim. B (mm) | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------|------------|----|----|-------------|----|----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 200 P04 | 04,10 | 48,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P06 | 06,20 | 51,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P08 | 08,20 | 54,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P11 | 11,20 | 58,30 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P14 | 14,00 | 62,30 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P16 | 16,00 | 65,20 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P20 | 20,00 | 71,00 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P22 | 22,50 | 82,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P25 | 25,10 | 86,50 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P28 | 28,00 | 90,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P30 | 30,00 | 93,50 | 20 | 40 | M8 | 13 | 30 | M6 |

NOTE: Define relative working and peak pressure consulting relative single pump table.

EXAMPLE OF ORDERING CODE

OT300/200 P 38 / 16 S / P 38 P3 / 2



POMPE TANDEM- OT300+OT200

VERSIONE: G38 P3

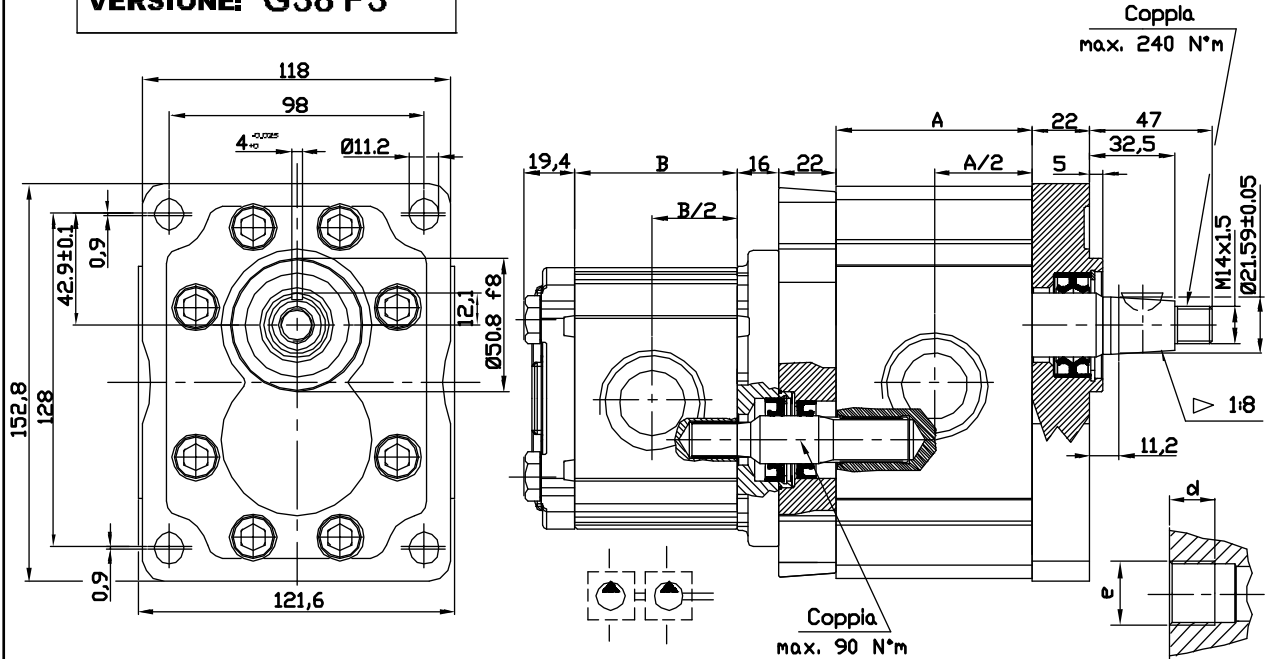


TABELLA OT300

| Tipo | Cilindrata (cc/giro) | Dim. A (mm) | Bocca di aspirazione | | Bocca di mandata | |
|------------|---------------------------|------------------|----------------------|--|------------------|--|
| | | | e | | e | |
| OT 300 P22 | 22 | 70,8 | G 1 | | G 3/4 | |
| OT 300 P28 | 28 | 75,4 | G 1 | | G 3/4 | |
| OT 300 P32 | 32 | 78,4 | G 1 | | G 3/4 | |
| OT 300 P38 | 38 | 83,0 | G 1 | | G 3/4 | |
| OT 300 P42 | 42 | 86,0 | G 1 | | G 3/4 | |
| OT 300 P48 | 48 | 100,6 | G 1 | | G 3/4 | |
| OT 300 P53 | 53 | 104,4 | G 1 | | G 3/4 | |
| OT 300 P63 | 63 | 112,0 | G 1+1/4 | | G 3/4 | |
| OT 300 P73 | 73 | 119,7 | G 1+1/4 | | G 1 | |
| OT 300 P82 | 82 | 126,6 | G 1+1/4 | | G 1 | |
| OT 300 P90 | 90 | 132,6 | G 1+1/4 | | G 1 | |

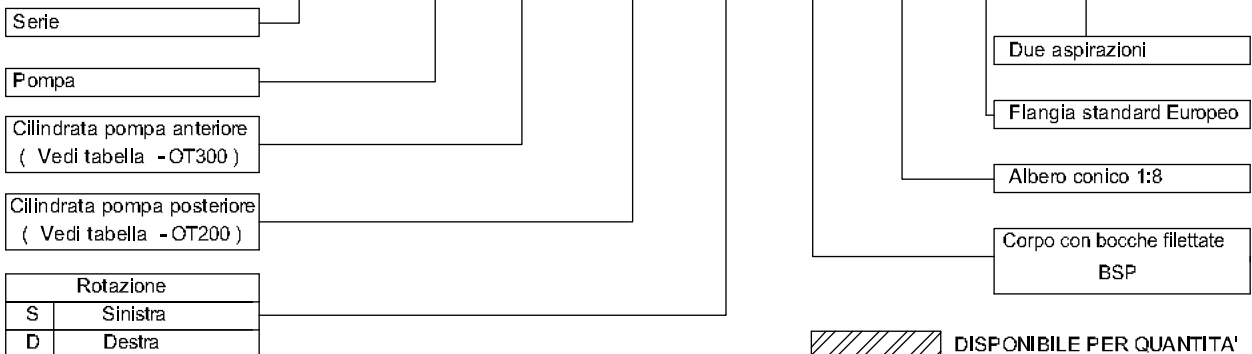
TABELLA OT200

| Tipo | Cilindrata (cc/giro) | Dim. B (mm) | Bocca di aspirazione | | Bocca di mandata | |
|------------|---------------------------|------------------|----------------------|----|------------------|----|
| | | | e | d | e | d |
| OT 200 P04 | 04,10 | 48,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P06 | 06,20 | 51,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P08 | 08,20 | 54,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P11 | 11,20 | 58,30 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P14 | 14,00 | 62,30 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P16 | 16,00 | 65,20 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P20 | 20,00 | 71,00 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P22 | 22,50 | 82,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P25 | 25,10 | 86,50 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P28 | 28,00 | 90,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P30 | 30,00 | 93,50 | G3/4 | 16 | G1/2 | 14 |

NOTE: Per definire le relative pressioni di funzionamento consultare i fogli delle corrispondenti pompe singole.

ESEMPIO DI CODICE D'ORDINAZIONE

OT300/200 P 38 / 16 S / G 38 P3 / 2



TANDEM PUMPS- OT300+OT200

VERSION: G38 P3

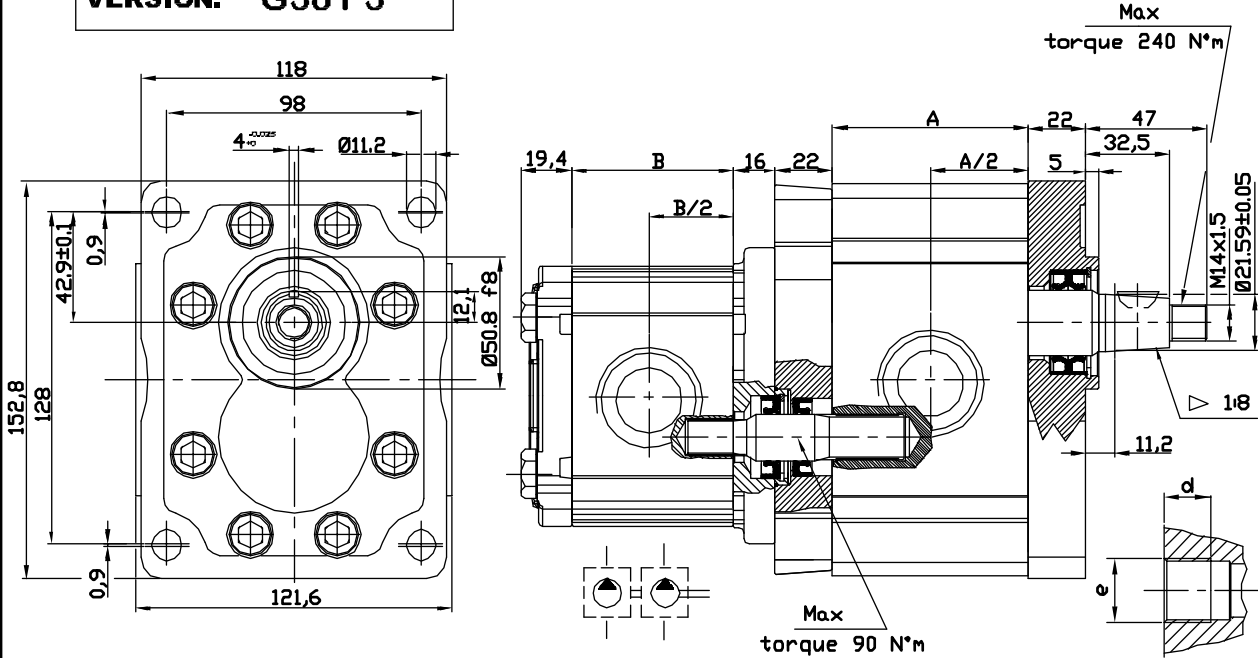


TABLE OT300

| Type | Displacement (cc/rev) | Dim. A (mm) | Inlet port | | Outlet port | |
|------------|--------------------------|----------------|------------|-------|-------------|---|
| | | | e | e | e | e |
| OT 300 P22 | 22 | 70,8 | G 1 | G 3/4 | | |
| OT 300 P28 | 28 | 75,4 | G 1 | G 3/4 | | |
| OT 300 P32 | 32 | 78,4 | G 1 | G 3/4 | | |
| OT 300 P38 | 38 | 83,0 | G 1 | G 3/4 | | |
| OT 300 P42 | 42 | 86,0 | G 1 | G 3/4 | | |
| OT 300 P48 | 48 | 100,6 | G 1 | G 3/4 | | |
| OT 300 P53 | 53 | 104,4 | G 1 | G 3/4 | | |
| OT 300 P63 | 63 | 112,0 | G 1+1/4 | G 3/4 | | |
| OT 300 P73 | 73 | 119,7 | G 1+1/4 | G 1 | | |
| OT 300 P82 | 82 | 126,6 | G 1+1/4 | G 1 | | |
| OT 300 P90 | 90 | 132,6 | G 1+1/4 | G 1 | | |

TABLE OT200

| Type | Displacement (cc/rev) | Dim. B (mm) | Inlet port | | Outlet port | |
|------------|--------------------------|----------------|------------|----|-------------|----|
| | | | e | d | e | d |
| OT 200 P04 | 04,10 | 48,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P06 | 06,20 | 51,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P08 | 08,20 | 54,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P11 | 11,20 | 58,30 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P14 | 14,00 | 62,30 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P16 | 16,00 | 65,20 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P20 | 20,00 | 71,00 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P22 | 22,50 | 82,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P25 | 25,10 | 86,50 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P28 | 28,00 | 90,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P30 | 30,00 | 93,50 | G3/4 | 16 | G1/2 | 14 |

NOTE: Define relative working and peak pressure consulting relative single pump table.

EXAMPLE OF ORDERING CODE

OT300/200 P 38 / 16 S / G 38 P3 / 2

Series

Pump

Displacement front pump
(See table - OT300)

Displacement second pump
(See table - OT200)

Rotation

S Anti-clockwise

D Clockwise

Two inlet ports

European standard flange

Taper shaft (1:8)

Body with threaded ports (BSP)

AVAILABLE FOR QUANTITIES

POMPE TANDEM- OT300+OT200

VERSIONE: P33 S3

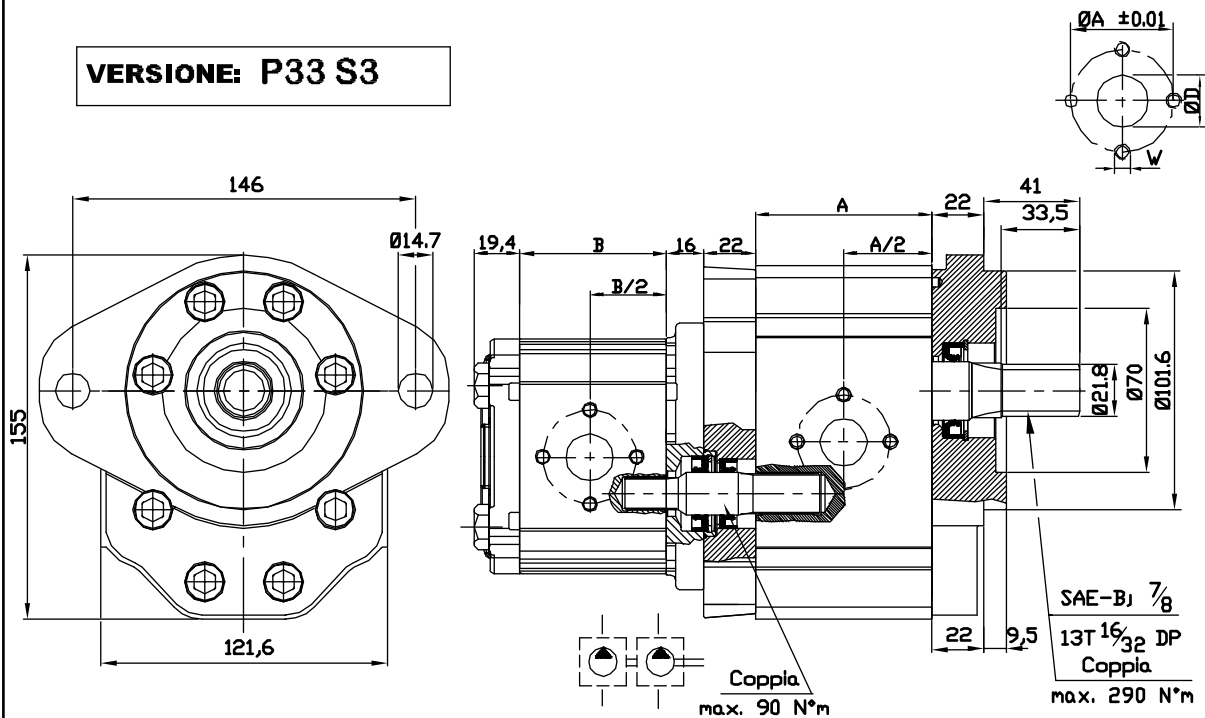


TABELLA OT300

| Tipo | Cilindrata (cc/giro) | Dim. A (mm) | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|---------------------------|---------------------|----------------------|----|-----|------------------|----|-----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |

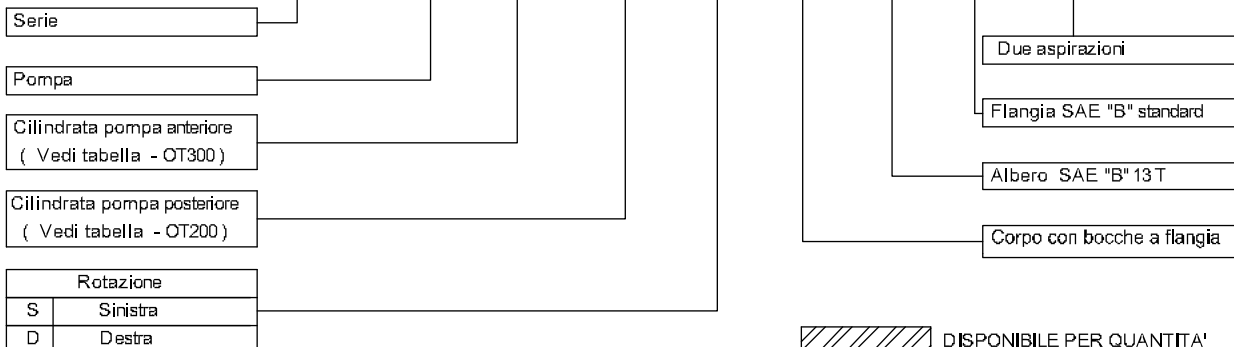
TABELLA OT200

| Tipo | Cilindrata (cc/giro) | Dim. B (mm) | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|---------------------------|---------------------|----------------------|----|----|------------------|----|----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 200 P04 | 04,10 | 48,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P06 | 06,20 | 51,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P08 | 08,20 | 54,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P11 | 11,20 | 58,30 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P14 | 14,00 | 62,30 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P16 | 16,00 | 65,20 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P20 | 20,00 | 71,00 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P22 | 22,50 | 82,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P25 | 25,10 | 86,50 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P28 | 28,00 | 90,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P30 | 30,00 | 93,50 | 20 | 40 | M8 | 13 | 30 | M6 |

NOTE: Per definire le relative pressioni di funzionamento consultare i fogli delle corrispondenti pompe singole.

ESEMPIO DI CODICE D'ORDINAZIONE

OT300/200 P 38 / 16 S / P 33 S3 / 2



DISPONIBILE PER QUANTITA'

TANDEM PUMPS- OT300+OT200

VERSION: P33 S3

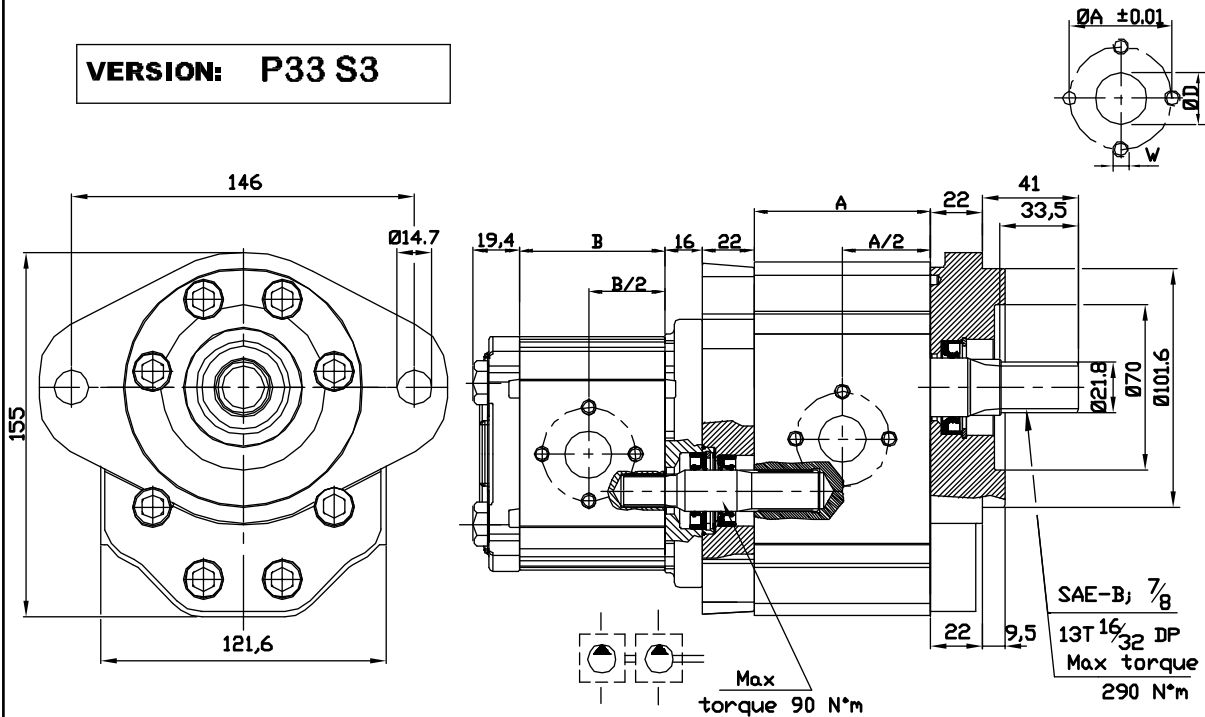


TABLE OT300

| Type | Displacement (cc/rev) | Dim. A (mm) | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------|------------|----|-----|-------------|----|-----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 70,8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 75,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 78,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 83,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 86,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 100,6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 104,4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 112,0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 119,7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 126,6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 132,6 | 36 | 62 | M12 | 27 | 51 | M10 |

TABLE OT200

| Type | Displacement (cc/rev) | Dim. B (mm) | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------|------------|----|----|-------------|----|----|
| | | | ØD | ØA | W | ØD | ØA | W |
| OT 200 P04 | 04,10 | 48,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P06 | 06,20 | 51,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P08 | 08,20 | 54,00 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P11 | 11,20 | 58,30 | 13 | 30 | M6 | 13 | 30 | M6 |
| OT 200 P14 | 14,00 | 62,30 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P16 | 16,00 | 65,20 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P20 | 20,00 | 71,00 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P22 | 22,50 | 82,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P25 | 25,10 | 86,50 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P28 | 28,00 | 90,70 | 20 | 40 | M8 | 13 | 30 | M6 |
| OT 200 P30 | 30,00 | 93,50 | 20 | 40 | M8 | 13 | 30 | M6 |

NOTE: Define relative working and peak pressure consulting relative single pump table.

EXAMPLE OF ORDERING CODE

OT300/200 P 38 / 16 S / P 33 S3 / 2

Series

Pump

Displacement front pump
(See table - OT300)

Displacement second pump
(See table - OT200)

Rotation

S Anti-clockwise
D Clockwise

Two inlet ports

SAE B flange

SAE B 13 Teeth -16/32 DP

Body for European flanges

AVAILABLE FOR QUANTITIES

POMPE TANDEM- OT300+OT200

VERSIONE: G33 S3

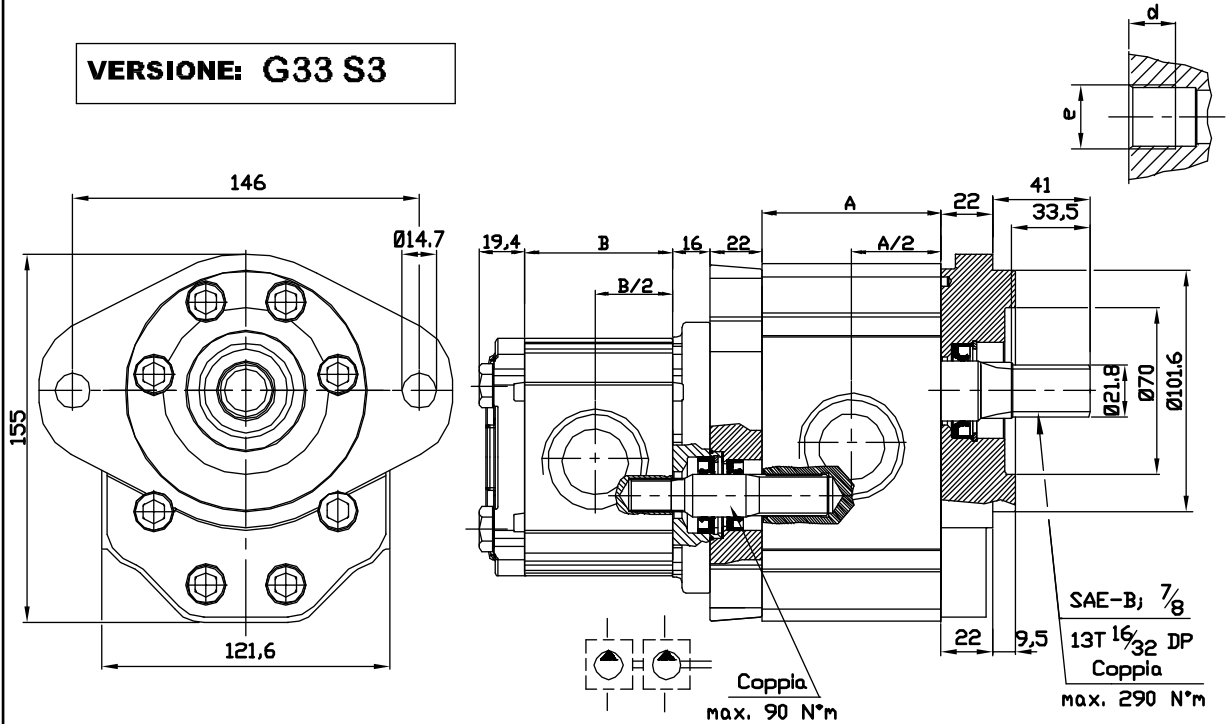


TABELLA1 OT300

| Tipo | Cilindrata (cc/giro) | Dim. A (mm) | Bocca di aspirazione | | Bocca di mandata | |
|------------|---------------------------|------------------|----------------------|-------|------------------|---|
| | | | e | e | e | e |
| OT 300 P22 | 22 | 70,8 | G 1 | G 3/4 | | |
| OT 300 P28 | 28 | 75,4 | G 1 | G 3/4 | | |
| OT 300 P32 | 32 | 78,4 | G 1 | G 3/4 | | |
| OT 300 P38 | 38 | 83,0 | G 1 | G 3/4 | | |
| OT 300 P42 | 42 | 86,0 | G 1 | G 3/4 | | |
| OT 300 P48 | 48 | 100,6 | G 1 | G 3/4 | | |
| OT 300 P53 | 53 | 104,4 | G 1 | G 3/4 | | |
| OT 300 P63 | 63 | 112,0 | G 1+1/4 | G 3/4 | | |
| OT 300 P73 | 73 | 119,7 | G 1+1/4 | G 1 | | |
| OT 300 P82 | 82 | 126,6 | G 1+1/4 | G 1 | | |
| OT 300 P90 | 90 | 132,6 | G 1+1/4 | G 1 | | |

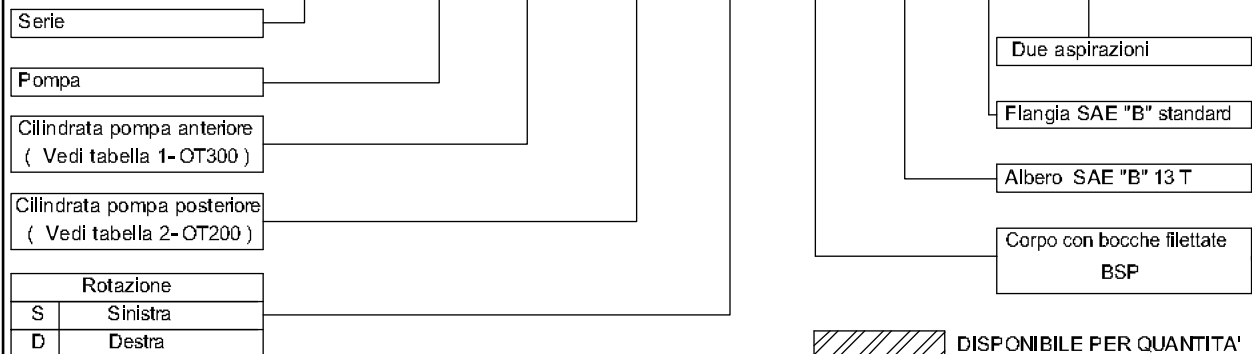
TABELLA2 OT200

| Tipo | Cilindrata (cc/giro) | Dim. B (mm) | Bocca di aspirazione | | Bocca di mandata | |
|------------|---------------------------|------------------|----------------------|----|------------------|----|
| | | | e | d | e | d |
| OT 200 P04 | 04,10 | 48,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P06 | 06,20 | 51,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P08 | 08,20 | 54,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P11 | 11,20 | 58,30 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P14 | 14,00 | 62,30 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P16 | 16,00 | 65,20 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P20 | 20,00 | 71,00 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P22 | 22,50 | 82,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P25 | 25,10 | 86,50 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P28 | 28,00 | 90,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P30 | 30,00 | 93,50 | G3/4 | 16 | G1/2 | 14 |

NOTE: Per definire le relative pressioni di funzionamento consultare i fogli delle corrispondenti pompe singole.

ESEMPIO DI CODICE D'ORDINAZIONE

OT300/200 P 38 / 16 S / G 33 S3 / 2



TANDEM PUMPS- OT300+OT200

VERSION: G33 S3

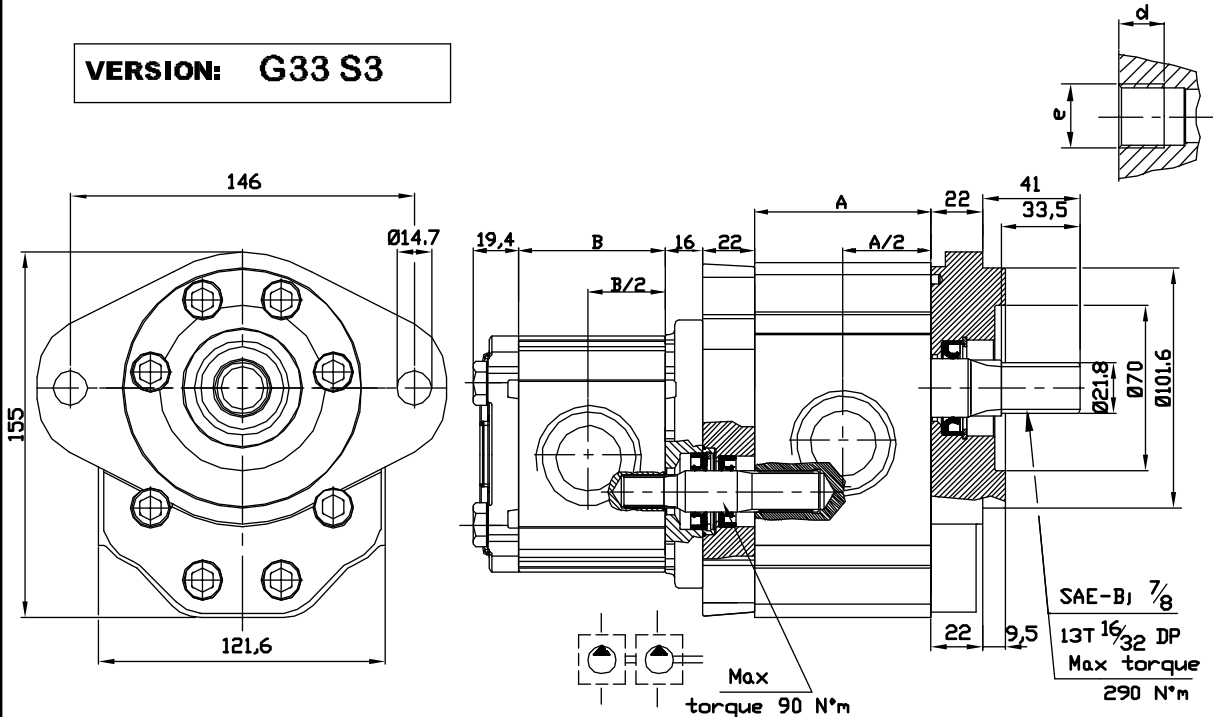


TABLE OT300

| Type | Displacement (cc/rev) | Dim. A (mm) | Inlet port | | Outlet port | |
|------------|--------------------------|----------------|------------|---|-------------|---|
| | | | e | e | e | e |
| OT 300 P22 | 22 | 70,8 | G 1 | | G 3/4 | |
| OT 300 P28 | 28 | 75,4 | G 1 | | G 3/4 | |
| OT 300 P32 | 32 | 78,4 | G 1 | | G 3/4 | |
| OT 300 P38 | 38 | 83,0 | G 1 | | G 3/4 | |
| OT 300 P42 | 42 | 86,0 | G 1 | | G 3/4 | |
| OT 300 P48 | 48 | 100,6 | G 1 | | G 3/4 | |
| OT 300 P53 | 53 | 104,4 | G 1 | | G 3/4 | |
| OT 300 P63 | 63 | 112,0 | G 1+1/4 | | G 3/4 | |
| OT 300 P73 | 73 | 119,7 | G 1+1/4 | | G 1 | |
| OT 300 P82 | 82 | 126,6 | G 1+1/4 | | G 1 | |
| OT 300 P90 | 90 | 132,6 | G 1+1/4 | | G 1 | |

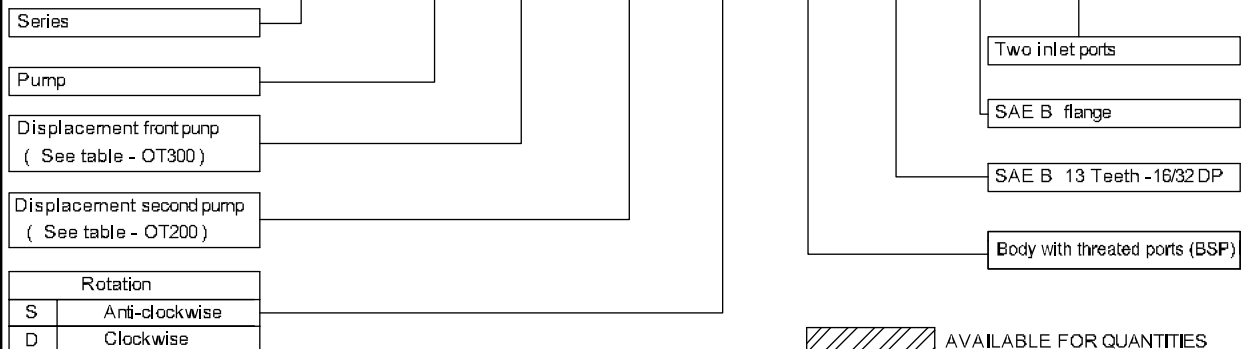
TABLE OT200

| Type | Displacement (cc/rev) | Dim. B (mm) | Inlet port | | Outlet port | |
|------------|--------------------------|----------------|------------|----|-------------|----|
| | | | e | d | e | d |
| OT 200 P04 | 04,10 | 48,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P06 | 06,20 | 51,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P08 | 08,20 | 54,00 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P11 | 11,20 | 58,30 | G1/2 | 14 | G1/2 | 14 |
| OT 200 P14 | 14,00 | 62,30 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P16 | 16,00 | 65,20 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P20 | 20,00 | 71,00 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P22 | 22,50 | 82,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P25 | 25,10 | 86,50 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P28 | 28,00 | 90,70 | G3/4 | 16 | G1/2 | 14 |
| OT 200 P30 | 30,00 | 93,50 | G3/4 | 16 | G1/2 | 14 |

NOTE: Define relative working and peak pressure consulting relative single pump table.

EXAMPLE OF ORDERING CODE

OT300/200 P 38 / 16 S / G 33 S3 / 2



POMPE TANDEM- OT300+OT200

VERSIONE: R33 S3

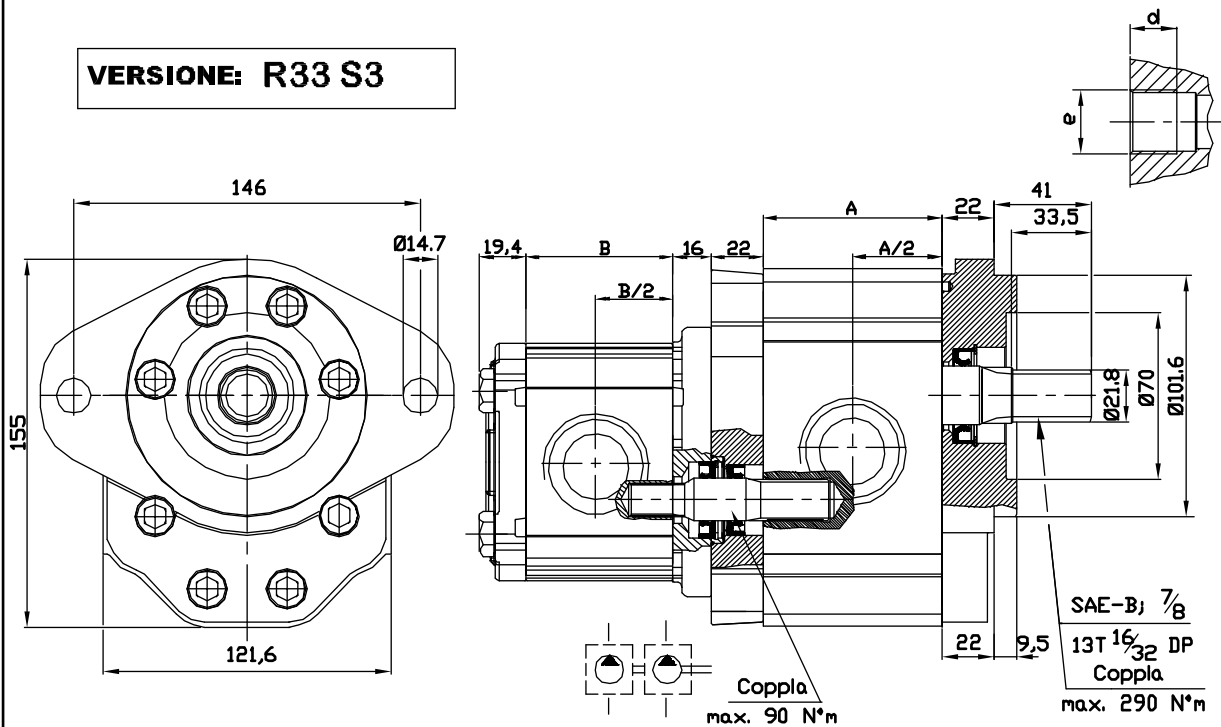


TABELLA2 OT300

| Tipo | Cilindrata (cc/giro) | Dim. A (mm) | Bocca di | |
|------------|---------------------------|---------------------|-------------|-------------|
| | | | aspirazione | mandata |
| | | | e | e |
| OT 300 P22 | 22 | 70,8 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P28 | 28 | 75,4 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P32 | 32 | 78,4 | 1-5/16" UNF | 1-1/16" UNF |
| OT 300 P38 | 38 | 83,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P42 | 42 | 86,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P48 | 48 | 100,6 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P53 | 53 | 104,4 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P63 | 63 | 112,0 | 1-5/8" UNF | 1-5/16" UNF |
| OT 300 P73 | 73 | 119,7 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P82 | 82 | 126,6 | 1-7/8" UNF | 1-5/8" UNF |
| OT 300 P90 | 90 | 132,6 | 1-7/8" UNF | 1-5/8" UNF |

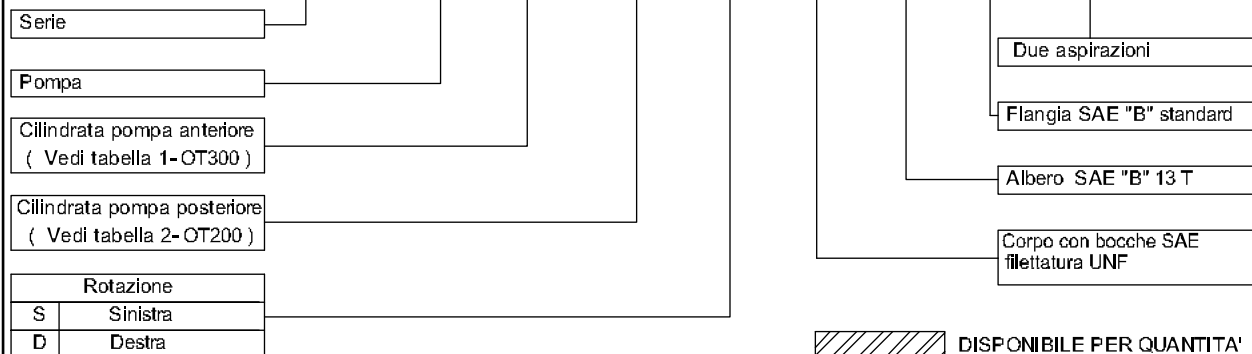
TABELLA2 OT200

| Tipo | Cilindrata (cc/giro) | Dim. B (mm) | Bocca di | |
|------------|---------------------------|---------------------|-------------|-----------|
| | | | aspirazione | mandata |
| | | | e | e |
| OT 200 P04 | 04,10 | 48,00 | 7/8-14UNF | 7/8-14UNF |
| OT 200 P06 | 06,20 | 51,00 | 7/8-14UNF | 7/8-14UNF |
| OT 200 P08 | 08,20 | 54,00 | 7/8-14UNF | 7/8-14UNF |
| OT 200 P11 | 11,20 | 58,30 | 7/8-14UNF | 7/8-14UNF |
| OT 200 P14 | 14,00 | 62,30 | 1-1/16" UNF | 7/8-14UNF |
| OT 200 P16 | 16,00 | 65,20 | 1-1/16" UNF | 7/8-14UNF |
| OT 200 P20 | 20,00 | 71,00 | 1-1/16" UNF | 7/8-14UNF |
| OT 200 P22 | 22,50 | 82,70 | 1-1/16" UNF | 7/8-14UNF |
| OT 200 P25 | 25,10 | 86,50 | 1-1/16" UNF | 7/8-14UNF |
| OT 200 P28 | 28,00 | 90,70 | 1-1/16" UNF | 7/8-14UNF |
| OT 200 P30 | 30,00 | 93,50 | 1-1/16" UNF | 7/8-14UNF |

NOTE: Per definire le relative pressioni di funzionamento consultare i fogli delle corrispondenti pompe singole.

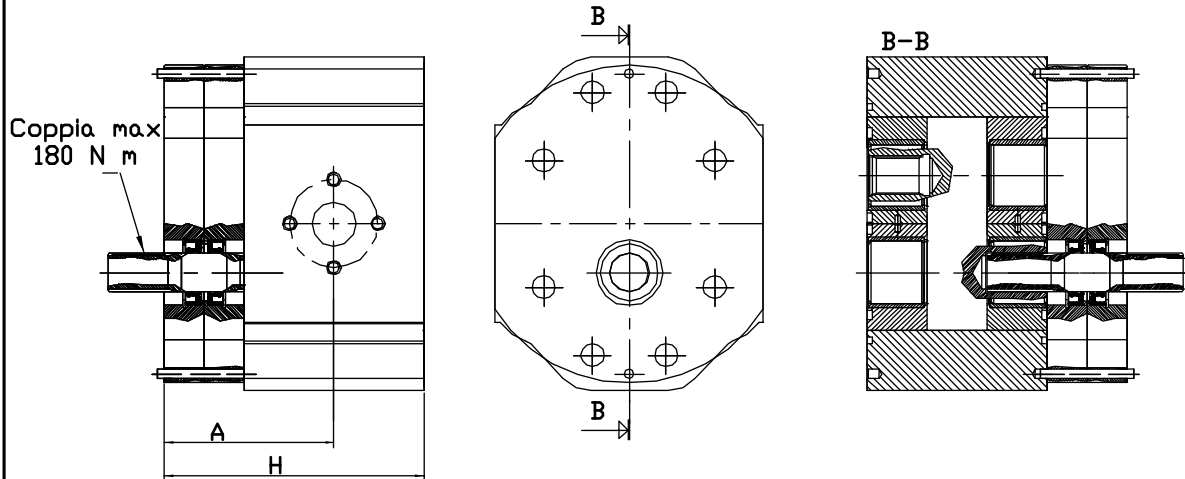
ESEMPIO DI CODICE D'ORDINAZIONE

OT300/200 P 38 / 16 S / R 33 S3 / 2

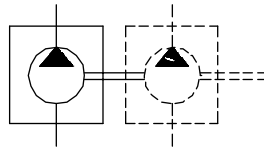


POMPE GRUPPO 3 INTERMEDIE PER TANDEM

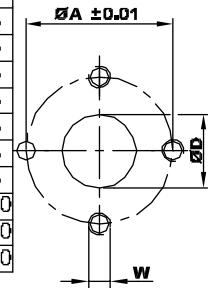
VERSIONE: P X X INTERMEDIA



NOTE : Coppia di serraggio viti 48 N·m



| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocita' massima (giri/min.) | Dimensione | | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|---------------------------|------------------------------------------------|----------------------------------------|---------------------------------------|------------|-------|----------------------|----|-----|------------------|----|-----|
| | | | | | A | H | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 71.4 | 106.8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P26 | 28 | 260 | 300 | 3000 | 73.7 | 111.4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 75.2 | 114.4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 77.5 | 119.0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 79.0 | 122.0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 86.3 | 136.6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 88.2 | 140.4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 92.0 | 148.0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 95.9 | 155.7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 99.3 | 162.6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 102.3 | 168.6 | 36 | 62 | M12 | 27 | 51 | M10 |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 22 S / P X X INTERMEDIA

Serie

Pompa

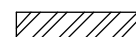
Cilindrata (vedere tabella)

Rotazione

S Sinistra

D Destra

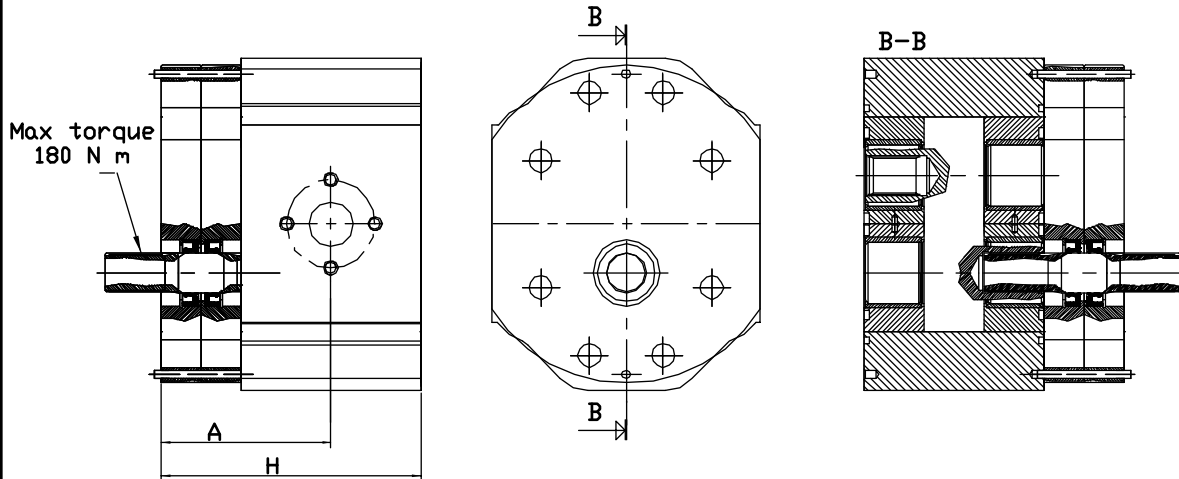
Corpo con bocche a flangia



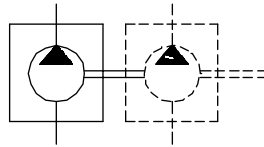
DISPONIBILE PER QUANTITA'

INTERMEDIATE GROUP 3 PUMPS FOR TANDEM UNITS

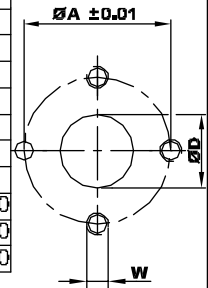
VERSION: P X X INTERMEDIATE



NOTE : Screw tightening torque 48 N·m

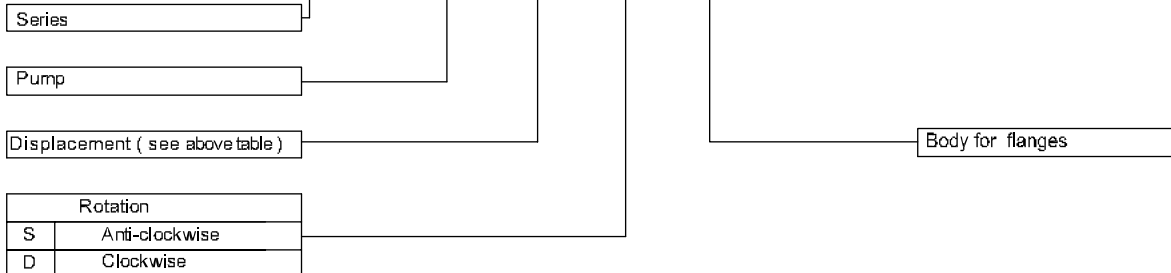


| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension | | Inlet port | | Outlet port | | | |
|------------|----------------------------|------------------------------------------|-----------------------------------|---------------------------|-----------|-------|---------------|----|----------------|----|----|-----|
| | | | | | A | H | e | e | | | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 71.4 | 106.8 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 73.7 | 111.4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 75.2 | 114.4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 77.5 | 119.0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 79.0 | 122.0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 86.3 | 136.6 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 88.2 | 140.4 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 92.0 | 148.0 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 95.9 | 155.7 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 99.3 | 162.6 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 102.3 | 168.6 | 36 | 62 | M12 | 27 | 51 | M10 |



EXAMPLE OF ORDERING CODE

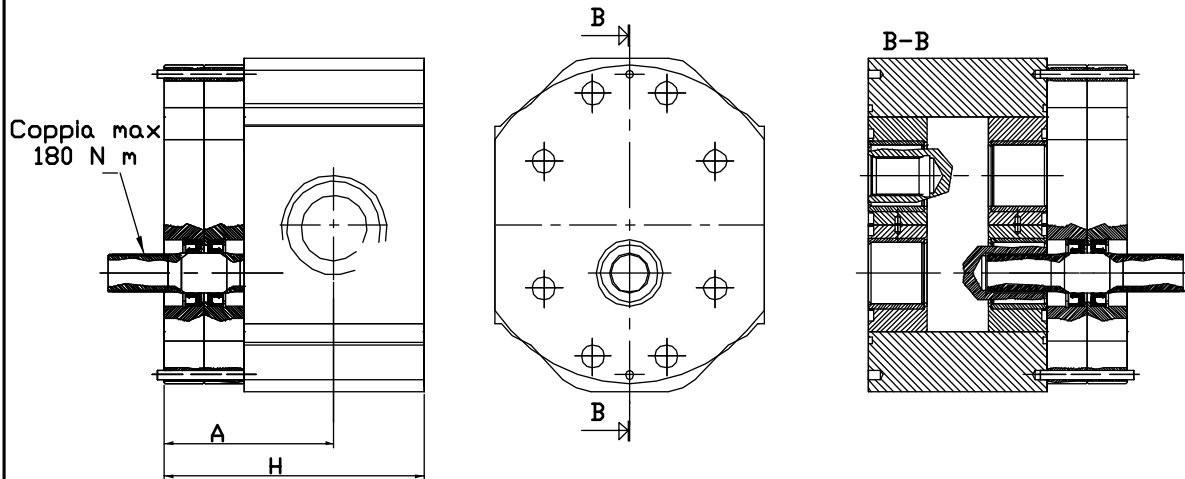
OT300 P 22 S / P X X INTERMEDIATE



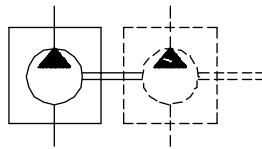
AVAILABLE FOR QUANTITIES

POMPE GRUPPO 3 INTERMEDIE PER TANDEM

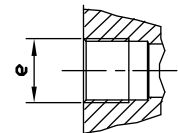
VERSIONE: G X X INTERMEDIA



NOTE : Coppia di serraggio viti 48 N·m



| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocita' massima (giri/min.) | Dimensione | | Bocca di aspirazione e | Bocca di mandata e |
|------------|---------------------------|------------------------------------------------|----------------------------------------|---------------------------------------|------------|-------|----------------------------------|------------------------------|
| | | | | | A | H | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 71.4 | 106.8 | G 1 | G 3/4 |
| OT 300 P28 | 28 | 260 | 300 | 3000 | 73.7 | 111.4 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 75.2 | 114.4 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 77.5 | 119.0 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 79.0 | 122.0 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 86.3 | 136.6 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 88.2 | 140.4 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 92.0 | 148.0 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 95.9 | 155.7 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 99.3 | 162.6 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 102.3 | 168.6 | G 1+1/4 | G 1 |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 22 S / P X X INTERMEDIA

Serie

Pompa

Cilindrata (vedere tabella)

Rotazione

S Sinistra

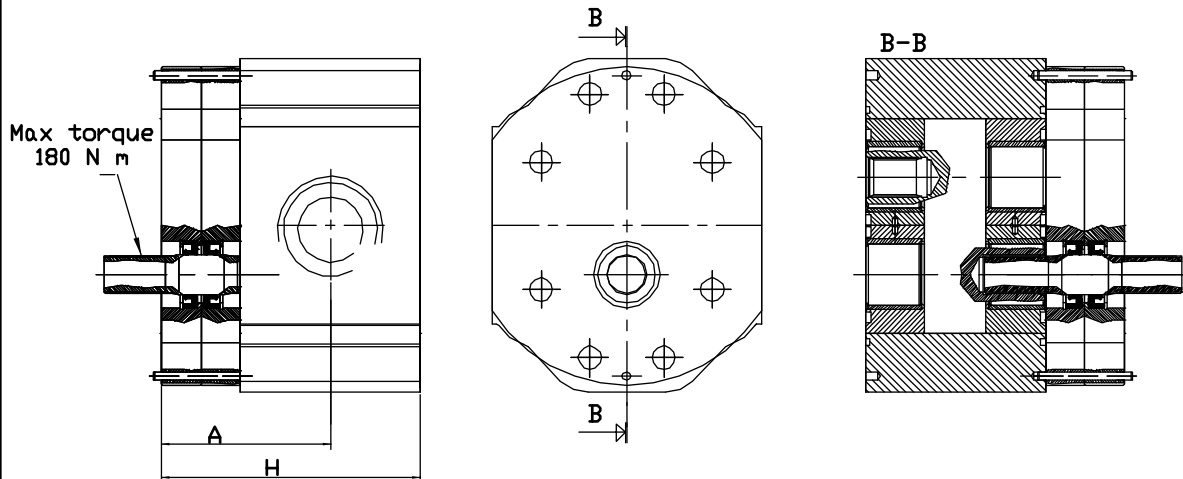
D Destra

Corpo con bocche filettate
BSP

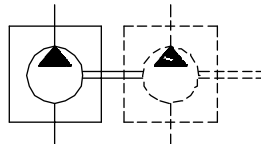
DISPONIBILE PER QUANTITA'

INTERMEDIATE GROUP 3 PUMPS FOR TANDEM UNITS

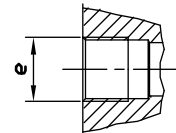
VERSION: P X X INTERMEDIATE



NOTE : Screw tightening torque 48-N m



| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 | Max speed (r.p.m) | Dimension (mm) | | Inlet port e | Outlet port e |
|------------|----------------------------|------------------------------------------|------------------------|---------------------------|---------------------|-------|--------------------|---------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 260 | 300 | 3000 | 71.4 | 106.8 | G 1 | G 3/4 |
| OT 300 P26 | 28 | 260 | 300 | 3000 | 73.7 | 111.4 | G 1 | G 3/4 |
| OT 300 P32 | 32 | 260 | 300 | 3000 | 75.2 | 114.4 | G 1 | G 3/4 |
| OT 300 P38 | 38 | 240 | 280 | 3000 | 77.5 | 119.0 | G 1 | G 3/4 |
| OT 300 P42 | 42 | 240 | 280 | 3000 | 79.0 | 122.0 | G 1 | G 3/4 |
| OT 300 P48 | 48 | 240 | 280 | 3000 | 86.3 | 136.6 | G 1 | G 3/4 |
| OT 300 P53 | 53 | 220 | 250 | 3000 | 88.2 | 140.4 | G 1 | G 3/4 |
| OT 300 P63 | 63 | 200 | 240 | 2100 | 92.0 | 148.0 | G 1+1/4 | G 3/4 |
| OT 300 P73 | 73 | 180 | 210 | 2100 | 95.9 | 155.7 | G 1+1/4 | G 1 |
| OT 300 P82 | 82 | 170 | 200 | 2100 | 99.3 | 162.6 | G 1+1/4 | G 1 |
| OT 300 P90 | 90 | 150 | 180 | 2100 | 102.3 | 168.6 | G 1+1/4 | G 1 |



EXAMPLE OF ORDERING CODE

OT300 P 22 S / P X X INTERMEDIATE

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise

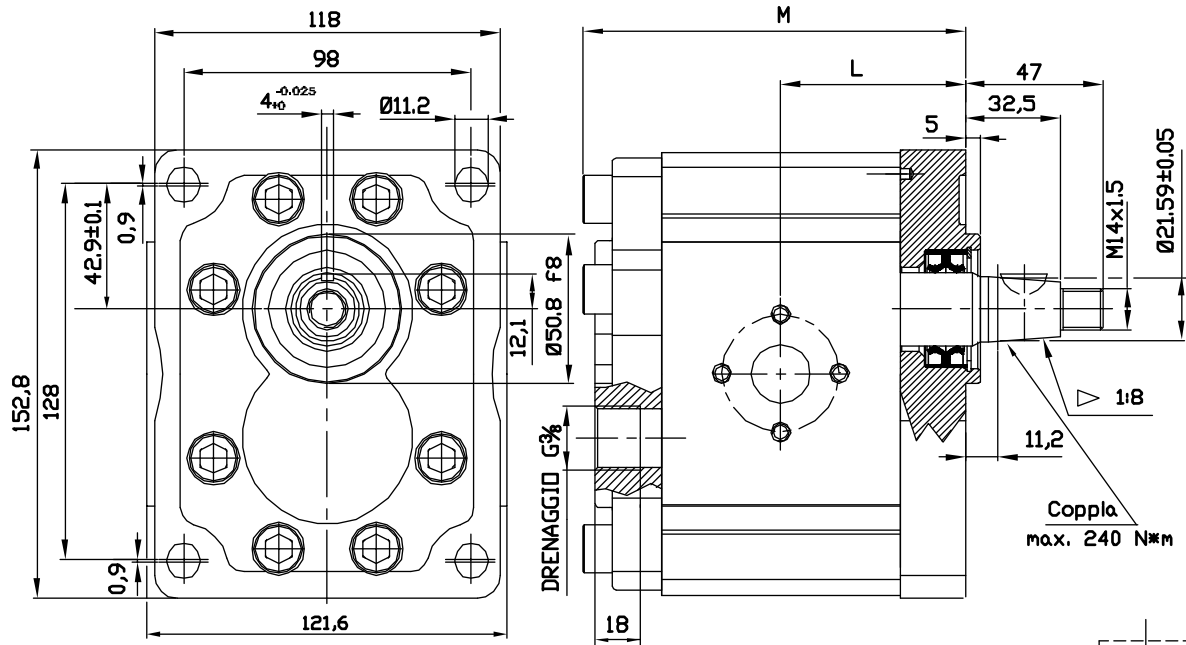
D Clockwise

Body with threaded ports (BSP)

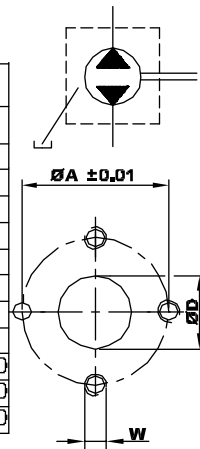
AVAILABLE FOR QUANTITIES

POMPE REVERSILI GRUPPO 3- STANDARD EUROPEO

VERSIONE: P38 P3

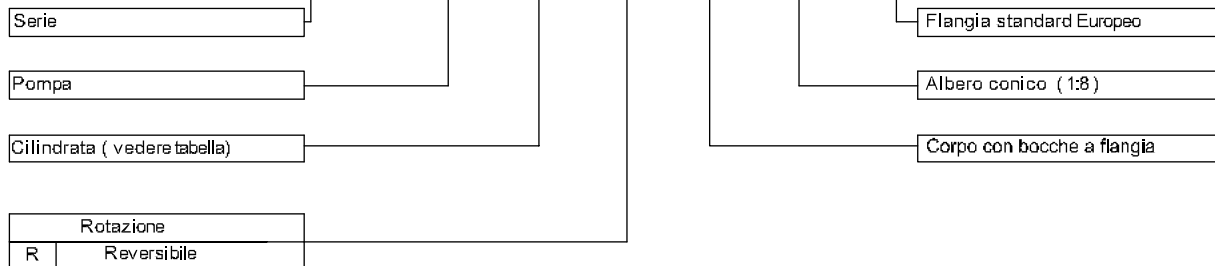


| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione | | | Bocca di mandata | | |
|------------|-------------------------|----------------------------------------------|--------------------------------------|------------------------------------|------------|-------|----------------------|----|-----|------------------|----|-----|
| | | | | | L | M | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 220 | 250 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 220 | 250 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 220 | 250 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 200 | 230 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 200 | 230 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 200 | 230 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 180 | 200 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 180 | 200 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 160 | 180 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 160 | 180 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 130 | 150 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 28 R / P 38 P3

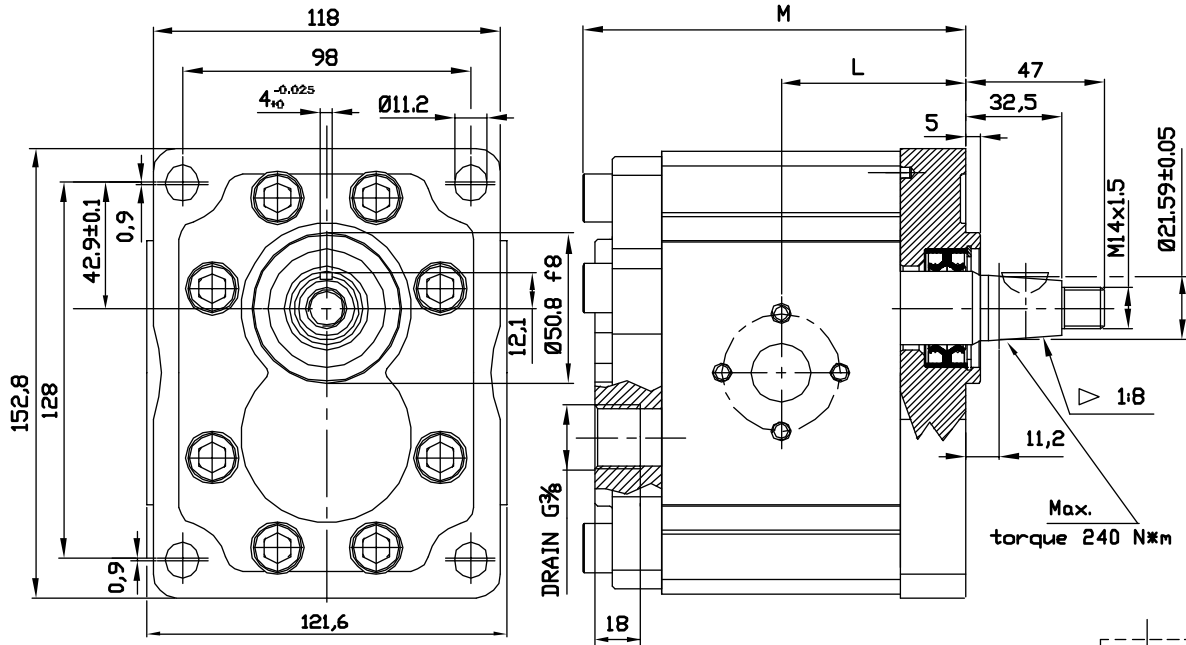


DISPONIBILE PER QUANTITA'

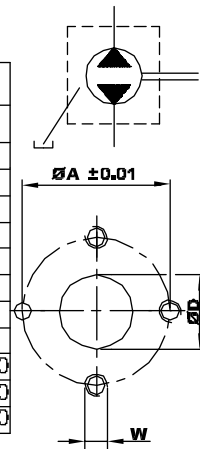
GROUP 3 REVERSIBLE PUMPS-

EUROPEAN STANDARD

VERSION: P38 P3



| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension | | Inlet port | | | Outlet port | | |
|------------|--------------------------|----------------------------------|---------------------------|----------------------|-----------|-------|------------|----|-----|-------------|----|-----|
| | | | | | L | M | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 220 | 250 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 220 | 250 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 220 | 250 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 200 | 230 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 200 | 230 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 200 | 230 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 180 | 200 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 180 | 200 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 160 | 180 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 160 | 180 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 130 | 150 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



EXAMPLE OF ORDERING CODE

OT300 P 28 R / P 38 P3

Series

Pump

Displacement (see above table)

Rotation

R

Reversible

European standard flange

Taper shaft (1:8)

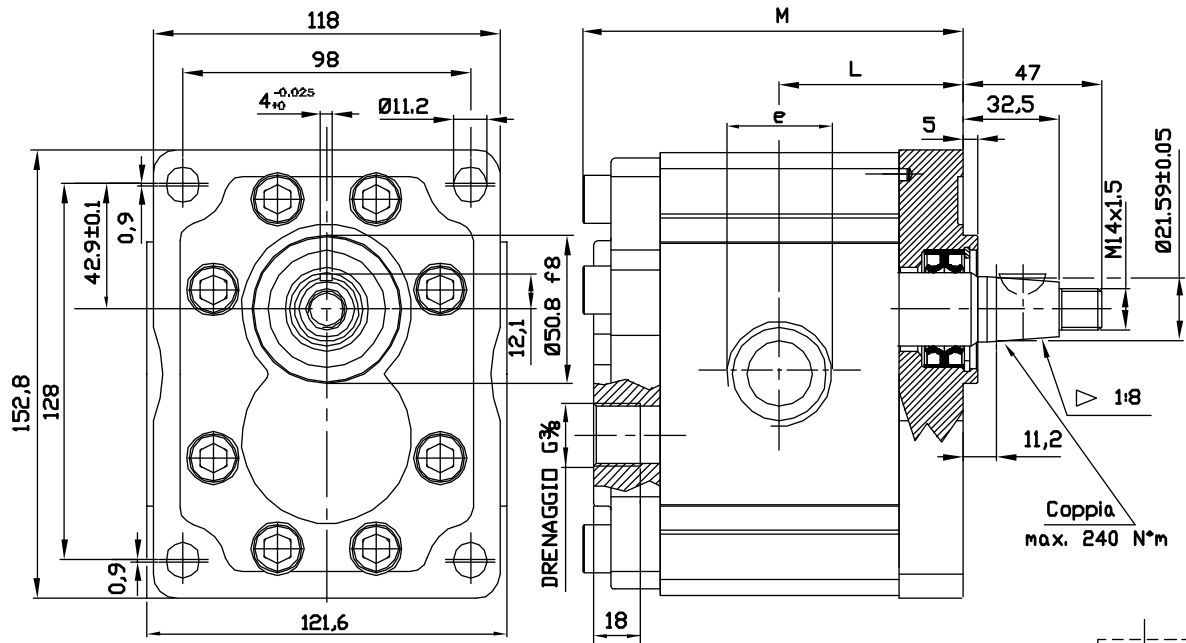
Body for flanges



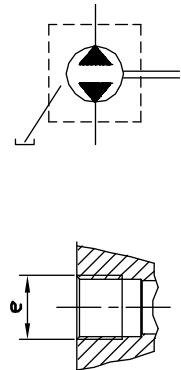
AVAILABLE FOR QUANTITIES

POMPE REVERSILI GRUPPO 3- STANDARD EUROPEO

VERSIONE: G38 P3

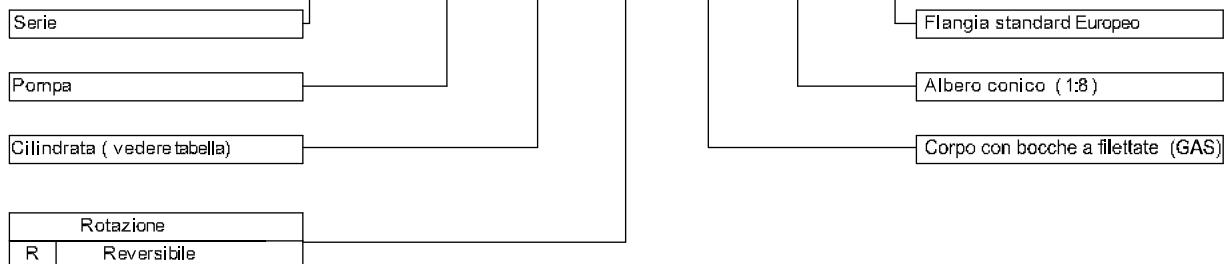


| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione (mm) | | Bocca di aspirazione e | Bocca di mandata e |
|------------|-------------------------|----------------------------------------------|--------------------------------------|------------------------------------|--------------------|-------|------------------------------|--------------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 220 | 250 | 3000 | 57,4 | 119,3 | G 1 | G 1 |
| OT 300 P28 | 28 | 220 | 250 | 3000 | 59,7 | 123,7 | G 1 | G 1 |
| OT 300 P32 | 32 | 220 | 250 | 3000 | 61,2 | 126,9 | G 1 | G 1 |
| OT 300 P38 | 38 | 200 | 230 | 3000 | 63,5 | 131,5 | G 1 | G 1 |
| OT 300 P42 | 42 | 200 | 230 | 3000 | 65,0 | 134,5 | G 1 | G 1 |
| OT 300 P48 | 48 | 200 | 230 | 3000 | 72,3 | 149,1 | G 1 | G 1 |
| OT 300 P53 | 53 | 180 | 200 | 3000 | 74,2 | 152,9 | G 1 | G 1 |
| OT 300 P63 | 63 | 180 | 200 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 1+1/4 |
| OT 300 P73 | 73 | 160 | 180 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1+1/4 |
| OT 300 P82 | 82 | 160 | 180 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1+1/4 |
| OT 300 P90 | 90 | 130 | 150 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1+1/4 |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 P 28 R / G 38 P3



DISPONIBILE PER QUANTITA'

MOTORI GRUPPO 3

PARAMETRI DI FUNZIONAMENTO MOTORI UNIDIREZIONALI OT300

| MOTORE TIPO | CILINDRATA | PRESSIONE MAX. | | | VELOCITA' MAX | VELOCITA' MIN |
|-------------|------------------------|----------------|-----|-----|-------------------|-------------------|
| | | P1 | P2 | P3 | | |
| | cm ³ / giro | bar | | | min ⁻¹ | min ⁻¹ |
| OT300 M22 | 22 | 250 | 280 | 300 | 4000 | 600 |
| OT300 M28 | 28 | | | | | |
| OT300 M32 | 32 | | | | | |
| OT300 M38 | 38 | 240 | 260 | 280 | 3500 | 500 |
| OT300 M42 | 42 | | | | | |
| OT300 M48 | 48 | | | | | |
| OT300 M53 | 53 | 190 | 210 | 250 | 3000 | |
| OT300 M63 | 63 | 190 | 210 | 240 | 2500 | |
| OT300 M73 | 73 | 160 | 180 | 210 | | |
| OT300 M82 | 82 | 150 | 170 | 200 | 2000 | |
| OT300 M90 | 90 | 130 | 150 | 180 | | |

P1= Pressione max. continua

P2= Pressione max. Intermitte

P3= Pressione max. di punta

**PER LE DIMENSIONI GEOMETRICHE CONSULTARE
I DATI TECNICI DELLE RISPETTIVE POMPE SINGOLE**

GROUP3 MOTORS

OT300 SINGLE ROTATION MOTORS GENERAL DATA

| <i>MOTOR TYPE</i> | <i>DISPLACEMENT</i> | <i>MAX. PRESSURE</i> | | | <i>MAX. SPEED</i> | <i>MIN. SPEED</i> |
|-------------------|---------------------|----------------------|-----------|-----------|-------------------------|-------------------------|
| | | <i>P1</i> | <i>P2</i> | <i>P3</i> | | |
| | <i>cc / rev</i> | <i>bar</i> | | | <i>rev⁻¹</i> | <i>rev⁻¹</i> |
| <i>OT300 M22</i> | 22 | 250 | 280 | 300 | 4000 | 600 |
| <i>OT300 M28</i> | 28 | | | | | |
| <i>OT300 M32</i> | 32 | | | | | |
| <i>OT300 M38</i> | 38 | 240 | 260 | 280 | 3500 | 500 |
| <i>OT300 M42</i> | 42 | | | | | |
| <i>OT300 M48</i> | 48 | | | | | |
| <i>OT300 M53</i> | 53 | 190 | 210 | 250 | 3000 | 500 |
| <i>OT300 M63</i> | 63 | 190 | 210 | 240 | 2500 | |
| <i>OT300 M73</i> | 73 | | | | | |
| <i>OT300 M82</i> | 82 | 150 | 170 | 200 | 2000 | 500 |
| <i>OT300 M90</i> | 90 | 130 | 150 | 180 | | |

P1= Max. continuous pressure

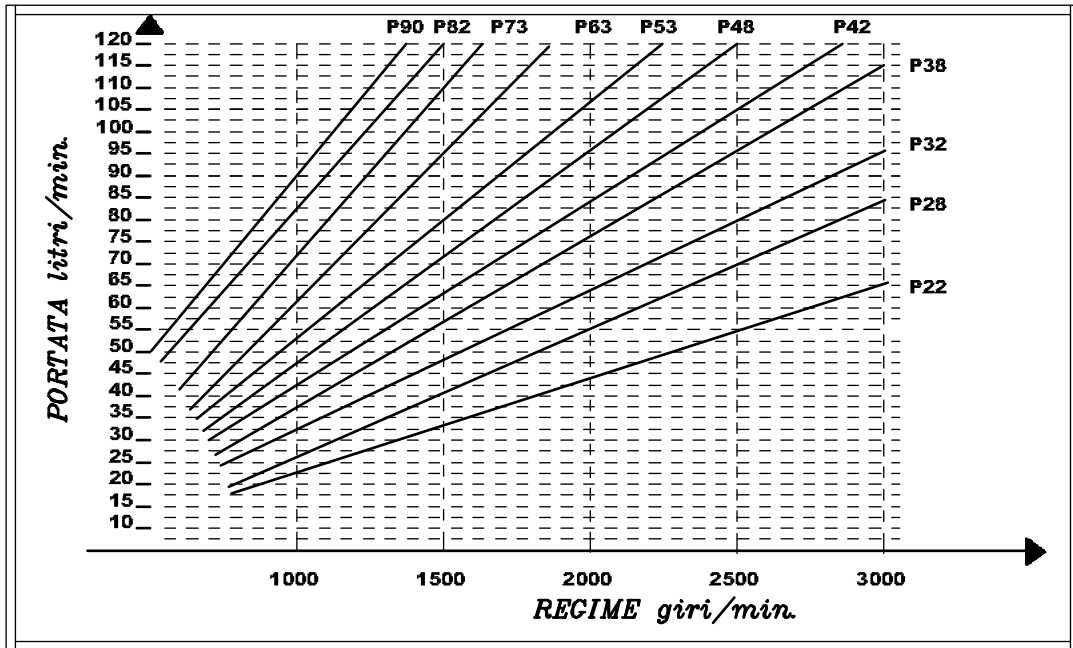
P2= Max. intermittent pressure

P3= Max. peak pressure

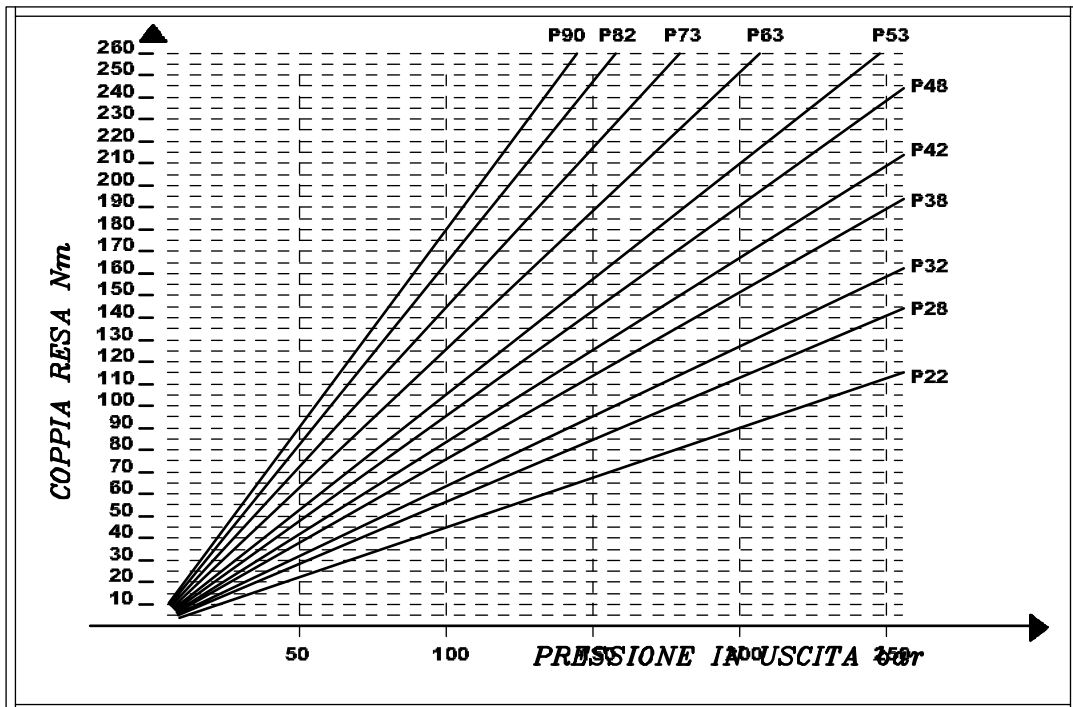
**FOR DIMENSION PLEASE CHECK
RELATIVE SINGLE PUMP TABLES**

MOTORI GRUPPO 3

CURVE CARATTERISTICHE DI PORTATA



COPPIA RESA

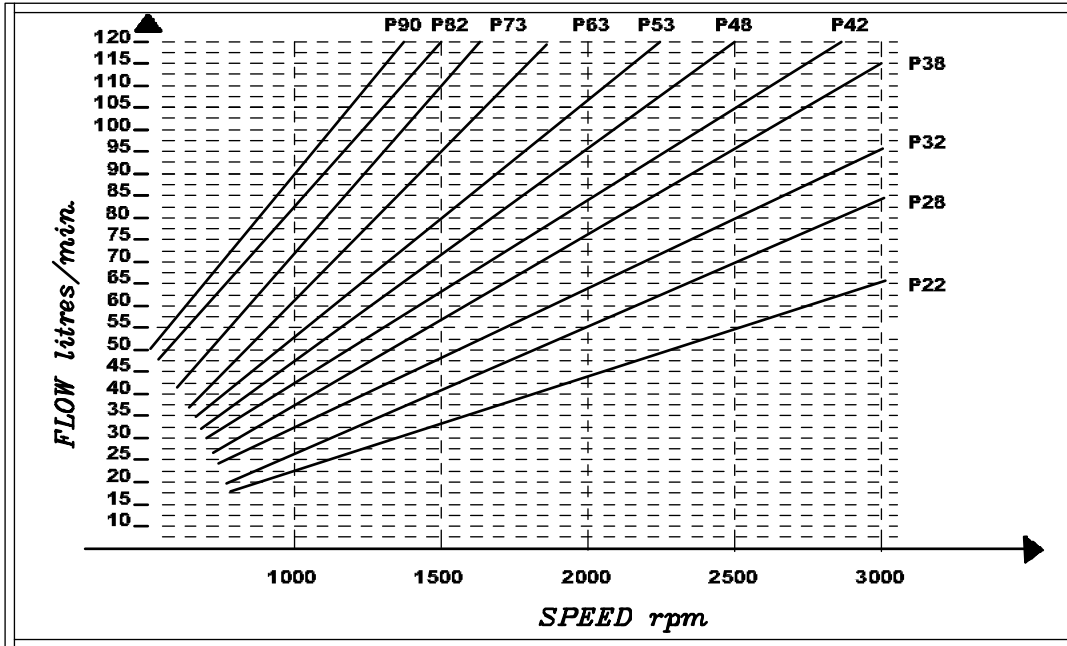


NOTE

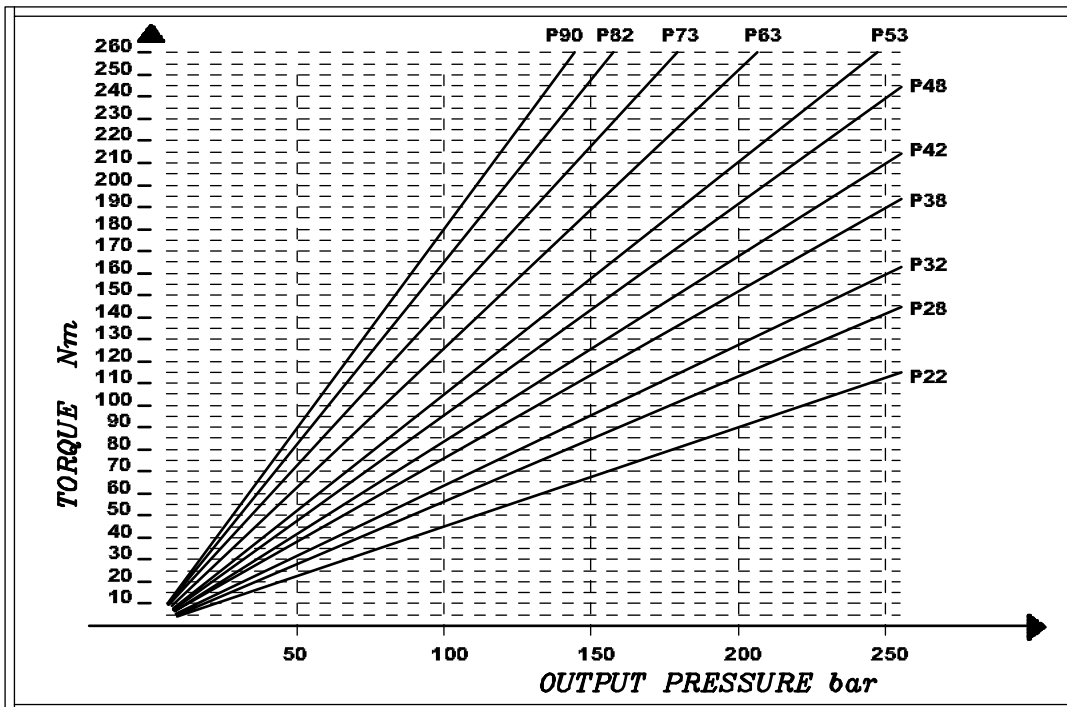
Le curve caratteristiche di portata sono state tracciate alla pressione P1

GROUP3 MOTORS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

The flow characteristics curves have been made at P1 pressure.

MOTORI GRUPPO 3

DETERMINAZIONE DI UN MOTORE

| | | |
|------------|------------------------|-----------------------------------------|
| V | Cilindrata | cm^3/giro |
| Q | Portata | l/min |
| P | Potenza | kW |
| C | Coppia | $\text{N} \cdot \text{m}$ |
| N | Velocita' | $-15^\circ\text{C} / +80^\circ\text{C}$ |
| ΔP | Pressione | bar |
| η_v | Rendimento volumetrico | 0.95 |
| η_m | Rendimento meccanico | 0.85 |
| η_t | Rendimento totale | 0.81 |

$$Q = \frac{V \cdot N}{\eta_v} \cdot 10^{-3} \quad \text{l}/\text{min}$$

$$C = \frac{\Delta P \cdot V \cdot \eta_m}{62.8} \quad \text{N} \cdot \text{m}$$

$$P = \frac{\Delta P \cdot V \cdot N \cdot \eta_t}{612000} \quad \text{kW}$$

GROUP3 MOTORS

MOTOR CALCULATION

| | | |
|------------|-----------------------|---------------|
| V | Displacement | CC / REV |
| Q | Flow | l/min |
| P | Power | kW |
| C | Torque | N · m |
| N | Speed | -15°C / +80°C |
| ΔP | Pressure | bar |
| n_v | Volumetric efficiency | 0.95 |
| n_m | Mechanical efficiency | 0.85 |
| n_t | Total efficiency | 0.81 |

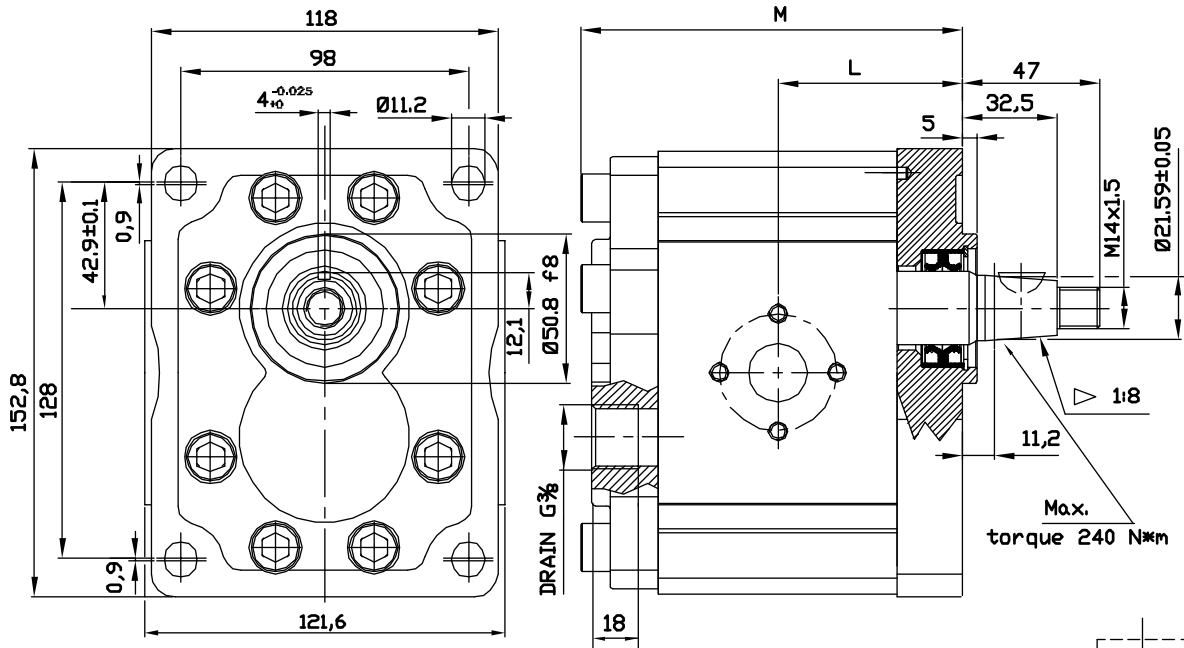
$$Q = \frac{V \cdot N}{n_v} \cdot 10^{-3} \quad \text{l/min}$$

$$C = \frac{\Delta P \cdot V \cdot n_m}{62.8} \quad \text{N} \cdot \text{m}$$

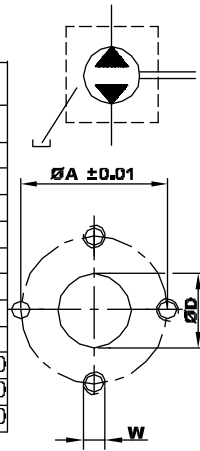
$$P = \frac{\Delta P \cdot V \cdot N \cdot n_t}{612000} \quad \text{kW}$$

GROUP3 REVERSIBLE MOTORS- EUROPEAN STANDARD

VERSION: P38 P3

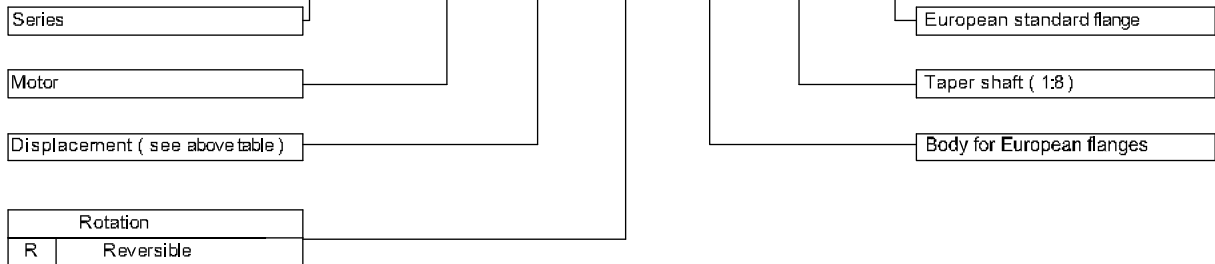


| Type | Displacement (cc/rev) | Max working pressure P1 (bar) | Peak pressure P3 (bar) | Max speed (r.p.m) | Dimension L M | | Inlet port | | | Outlet port | | |
|------------|--------------------------|-------------------------------------|------------------------------|----------------------|------------------|-------|------------|----|-----|-------------|----|-----|
| | | | | | (mm) | | ØD | ØA | W | ØD | ØA | W |
| OT 300 P22 | 22 | 220 | 250 | 3000 | 57,4 | 119,3 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P28 | 28 | 220 | 250 | 3000 | 59,7 | 123,7 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P32 | 32 | 220 | 250 | 3000 | 61,2 | 126,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P38 | 38 | 200 | 230 | 3000 | 63,5 | 131,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P42 | 42 | 200 | 230 | 3000 | 65,0 | 134,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P48 | 48 | 200 | 230 | 3000 | 72,3 | 149,1 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P53 | 53 | 180 | 200 | 3000 | 74,2 | 152,9 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P63 | 63 | 180 | 200 | 2100 | 78,0 | 160,5 | 27 | 51 | M10 | 19 | 40 | M8 |
| OT 300 P73 | 73 | 160 | 180 | 2100 | 81,9 | 168,2 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P82 | 82 | 160 | 180 | 2100 | 85,3 | 175,1 | 36 | 62 | M12 | 27 | 51 | M10 |
| OT 300 P90 | 90 | 130 | 150 | 2100 | 88,3 | 181,1 | 36 | 62 | M12 | 27 | 51 | M10 |



EXAMPLE OF ORDERING CODE

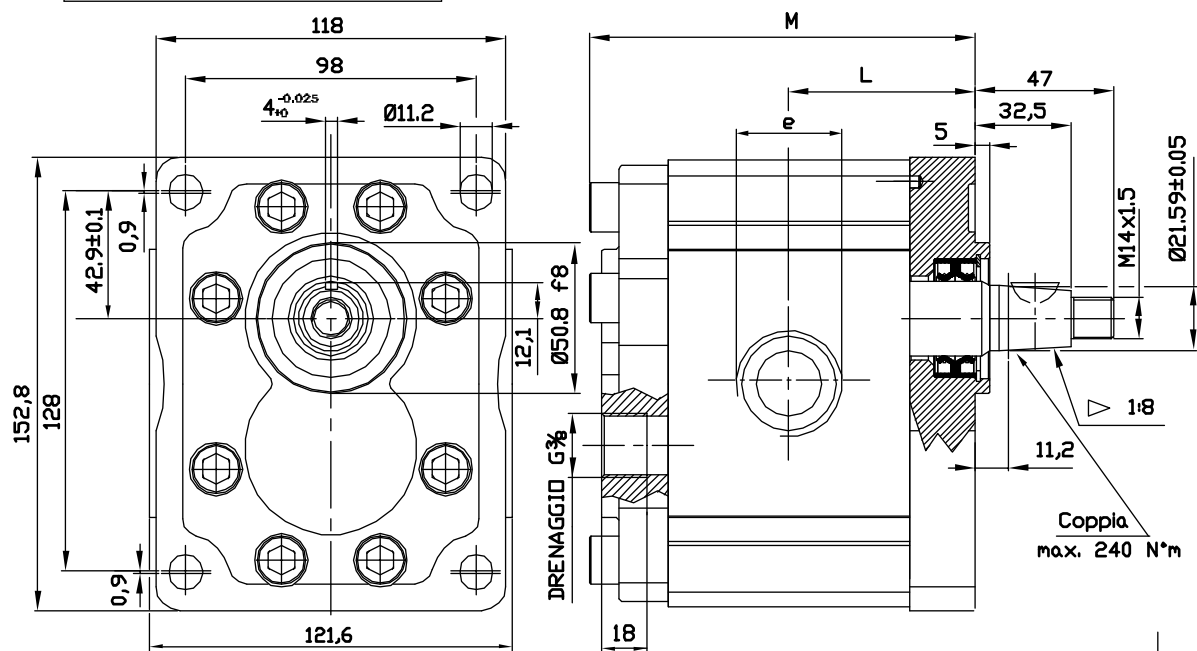
OT300 M 28 R / P 38 P3



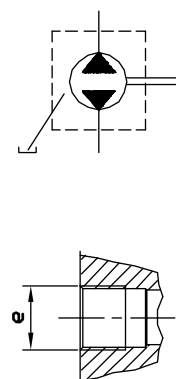
AVAILABLE FOR QUANTITIES

MOTORI REVERSILI GRUPPO 3- STANDARD EUROPEO

VERSIONE: G38 P3



| Tipo | Cilindrata (cc/giro) | Pressione massima continua P1 (bar) | Pressione di punta P3 (bar) | Velocità massima (giri/min.) | Dimensione | | Bocca di aspirazione e | Bocca di mandata e |
|------------|---------------------------|------------------------------------------------|----------------------------------------|--------------------------------------|------------|-------|------------------------------|--------------------------|
| | | | | | L | M | | |
| OT 300 P22 | 22 | 220 | 250 | 3000 | 57,4 | 119,3 | G 1 | G 1 |
| OT 300 P28 | 28 | 220 | 250 | 3000 | 59,7 | 123,7 | G 1 | G 1 |
| OT 300 P32 | 32 | 220 | 250 | 3000 | 61,2 | 126,9 | G 1 | G 1 |
| OT 300 P38 | 38 | 200 | 230 | 3000 | 63,5 | 131,5 | G 1 | G 1 |
| OT 300 P42 | 42 | 200 | 230 | 3000 | 65,0 | 134,5 | G 1 | G 1 |
| OT 300 P48 | 48 | 200 | 230 | 3000 | 72,3 | 149,1 | G 1 | G 1 |
| OT 300 P53 | 53 | 180 | 200 | 3000 | 74,2 | 152,9 | G 1 | G 1 |
| OT 300 P63 | 63 | 180 | 200 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 1+1/4 |
| OT 300 P73 | 73 | 160 | 180 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1+1/4 |
| OT 300 P82 | 82 | 160 | 180 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1+1/4 |
| OT 300 P90 | 90 | 130 | 150 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1+1/4 |



ESEMPIO DI CODICE D'ORDINAZIONE

OT300 M 28 R / G 38 P3

Serie

Motore

Cilindrata (vedere tabella)

Rotazione

R Reversibile

Flangia standard Europeo

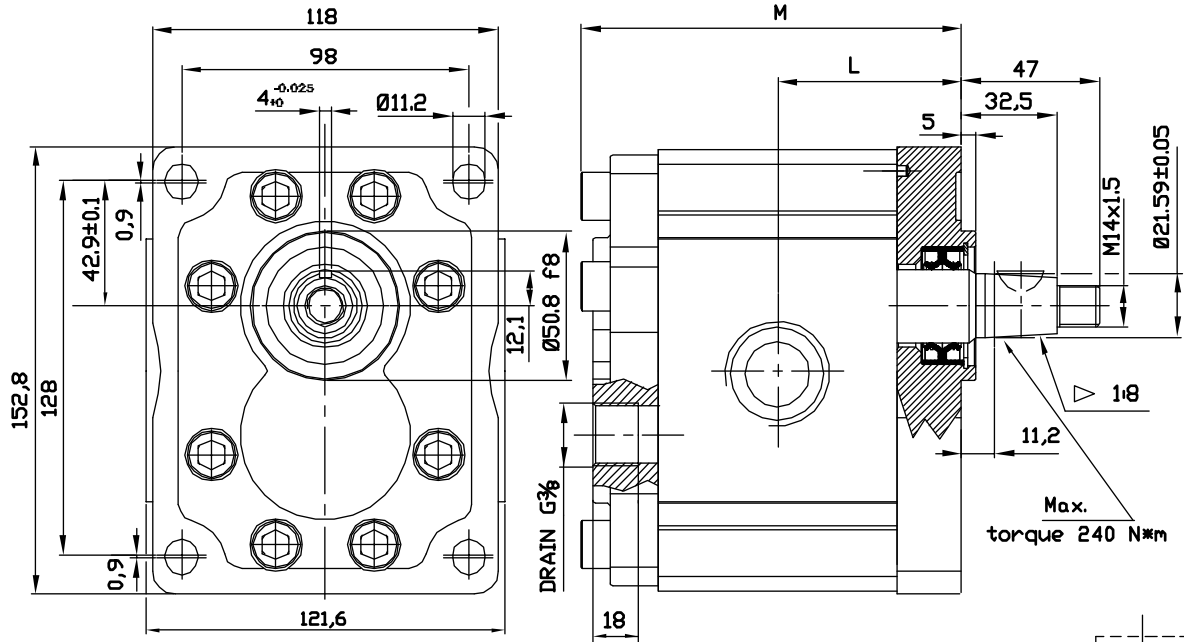
Albero conico (1:8)

Corpo con bocche a filettate (GAS)

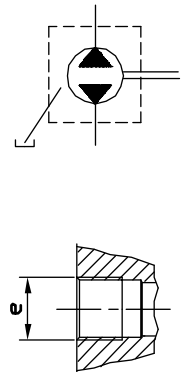
DISPONIBILE PER QUANTITA'

GROUP3 REVERSIBLE MOTORS- EUROPEAN STANDARD

VERSION: G38 P3

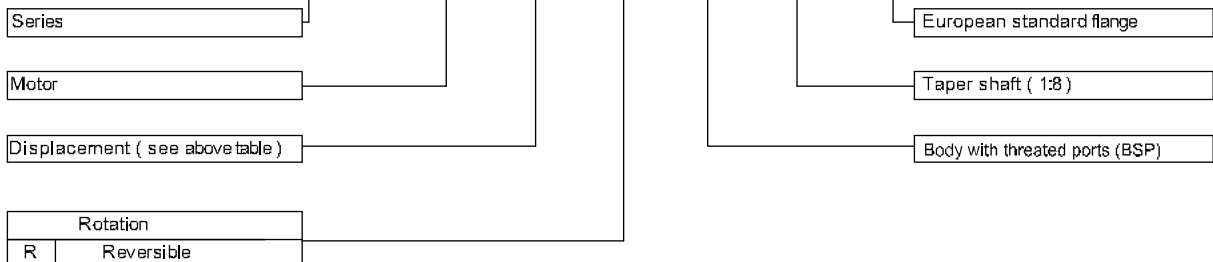


| | | | | | | | | |
|-------------------|----|-----|-----|------|------|-------|---------|---------|
| | | | | | | | | |
| OT 300 P22 | 22 | 220 | 250 | 3000 | 57,4 | 119,3 | G 1 | G 1 |
| OT 300 P28 | 28 | 220 | 250 | 3000 | 59,7 | 123,7 | G 1 | G 1 |
| OT 300 P32 | 32 | 220 | 250 | 3000 | 61,2 | 126,9 | G 1 | G 1 |
| OT 300 P38 | 38 | 200 | 230 | 3000 | 63,5 | 131,5 | G 1 | G 1 |
| OT 300 P42 | 42 | 200 | 230 | 3000 | 65,0 | 134,5 | G 1 | G 1 |
| OT 300 P48 | 48 | 200 | 230 | 3000 | 72,3 | 149,1 | G 1 | G 1 |
| OT 300 P53 | 53 | 180 | 200 | 3000 | 74,2 | 152,9 | G 1 | G 1 |
| OT 300 P63 | 63 | 180 | 200 | 2100 | 78,0 | 160,5 | G 1+1/4 | G 1+1/4 |
| OT 300 P73 | 73 | 160 | 180 | 2100 | 81,9 | 168,2 | G 1+1/4 | G 1+1/4 |
| OT 300 P82 | 82 | 160 | 180 | 2100 | 85,3 | 175,1 | G 1+1/4 | G 1+1/4 |
| OT 300 P90 | 90 | 130 | 150 | 2100 | 88,3 | 181,1 | G 1+1/4 | G 1+1/4 |



EXAMPLE OF ORDERING CODE

OT300 M 28 R / G 38 P3



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