

#### QUICK SELECTION / Selezione veloce

input speed ( $n_1$ ) = 1400 min<sup>-1</sup>

| Output Speed<br>$n_2$<br>[min <sup>-1</sup> ] | Ratio<br>$i$ | Motor power<br>$P_{1M}$<br>[kW] | Output torque<br>$M_{2M}$<br>[Nm] | Service factor<br>f.s. | Nominal power<br>$P_{1R}$<br>[kW] | Nominal torque<br>$M_{2R}$<br>[Nm] | Available B5 motor flanges |    |    |    | Available B14 motor flanges |    |    | Dynamic efficiency<br><b>RD</b> | Tooth Module<br>$M_n$ [mm] | Ratios code |
|---|--------------|---------------------------------|-----------------------------------|------------------------|-----------------------------------|------------------------------------|----------------------------|----|----|----|-----------------------------|----|----|---------------------------------|----------------------------|-------------|
|   |              |                                 |                                   |                        |                                   |                                    | B                          | C  | D  | E  | Q                           | R  | T  |                                 |                            |             |
|   |              |                                 |                                   |                        |                                   |                                    | 63                         | 71 | 80 | 90 | 71                          | 80 | 90 |                                 |                            |             |
| 16.8  | <b>83.2</b>  | 1.5                             | 587                               | 1.1                    | <b>1.7</b>                        | <b>660</b>                         |                            |    |    |    | <b>C</b>                    |    |    | 69                              | 3.5                        | 01          |
| 13.9  | <b>100.5</b> | 1.5                             | 699                               | 0.8                    | <b>1.3</b>                        | <b>594</b>                         |                            |    |    |    | <b>C</b>                    |    |    | 68                              | 2.9                        | 02          |
| 10.6  | <b>132</b>   | 1.1                             | 634                               | 0.9                    | <b>0.95</b>                       | <b>550</b>                         |                            |    |    |    | <b>C</b>                    |    |    | 64                              | 2.2                        | 03          |
| 8.0   | <b>176</b>   | 0.75                            | 666                               | 1.2                    | <b>0.90</b>                       | <b>803</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 74                              | 4.7                        | 04          |
| 6.7   | <b>208</b>   | 0.75                            | 766                               | 0.9                    | <b>0.65</b>                       | <b>660</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 72                              | 4.0                        | 05          |
| 5.7   | <b>245</b>   | 0.55                            | 634                               | 1.0                    | <b>0.57</b>                       | <b>660</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 69                              | 3.5                        | 06          |
| 4.7   | <b>296</b>   | 0.55                            | 755                               | 0.8                    | <b>0.43</b>                       | <b>594</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 68                              | 2.9                        | 07          |
| 4.2   | <b>334</b>   | 0.55                            | 865                               | 0.8                    | <b>0.42</b>                       | <b>660</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 69                              | 3.5                        | 08          |
| 3.5   | <b>403</b>   | 0.37                            | 692                               | 0.9                    | <b>0.32</b>                       | <b>594</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 68                              | 2.9                        | 09          |
| 2.6   | <b>529</b>   | 0.25                            | 577                               | 1.0                    | <b>0.24</b>                       | <b>550</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 64                              | 2.2                        | 10          |
| 2.2   | <b>624</b>   | 0.25                            | 628                               | 0.8                    | <b>0.21</b>                       | <b>528</b>                         | <b>B</b>                   |    |    |    | <b>C</b>                    |    |    | 59                              | 1.9                        | 11          |

**Motor Flanges Available**  
Flange Motore Disponibili

**B) Supplied with Reduction Bushing**  
Fornito con Bussola di Riduzione

**B) Available on Request without reduction bushing**  
Disponibile a Richiesta senza Bussola di Riduzione

**C) Motor Flange Holes Position**  
Posizione Fori Flangia Motore

**EN** Unit P10 is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug. Primary reduction unit is supplied with closed plugs and lubricated for life with synthetic oil. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox. For complete documentation please visit our web site.

**I** Il riduttore tipo P10 è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso. La precoppia è fornita con tappi chiusi e lubrificata a vita con olio sintetico. Tab.1 per oli e quantità consigliati. Tab.2 carichi radiali e assiali applicabili al riduttore. Per la documentazione completa consulta il nostro sito.

**D** Das Getriebe der Baugröße P10 wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen. Die Stirnradvorstufe ist Lebensdauer geschmiert und wird mit synthetischem Öl geliefert. Die Stirnradvorstufe ist komplett geschlossen ohne Füllschrauben. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

**E** El reductor tamaño P10 se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor. Para documentación completa, consultar nuestra Web.

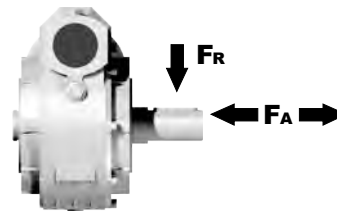
|            |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|
|            |             |             |             |             |             |
| B3         | B6          | B7          | B8          | V5          | V6          |
| 2.0/0.14LT | 1.5/0.14 LT | 1.5/0.14 LT | 2.0/0.14 LT | 2.0/0.14 LT | 2.0/0.14 LT |

**AGIP** Blasias 460

For all details on lubrication and plugs check our website **tab. 1**  
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

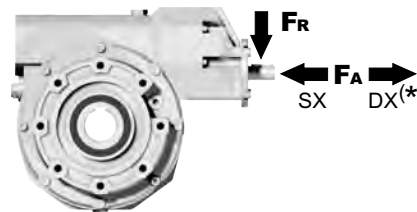
#### RADIAL AND AXIAL LOADS

**Output shaft**  
Albero di uscita



| $n_2$<br>[min <sup>-1</sup> ] | FA<br>[N] | FR<br>[N] |
|-------------------------------|-----------|-----------|
| 75                            | 800       | 4000      |
| 50                            | 920       | 4600      |
| 25                            | 1200      | 6000      |
| 15-6                          | 1400      | 7000      |

**Input shaft**  
albero in entrata



| $n_1$<br>[min <sup>-1</sup> ] | FA<br>[N] | FR<br>[N] |
|-------------------------------|-----------|-----------|
| 1400                          | 150       | 760       |

**\*Strong axial loads in the DX direction are not allowed.**  
Non sono consentiti forti carichi assiali con direzione DX

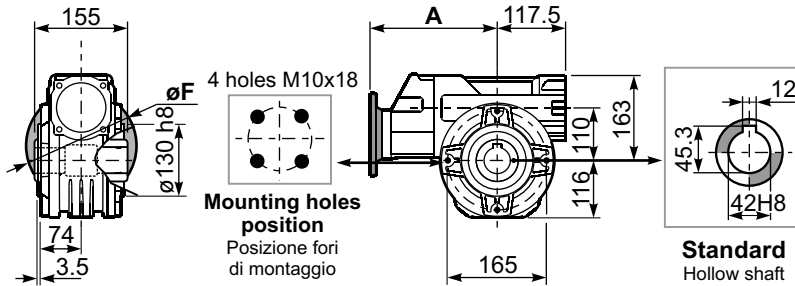
**tab. 2**

**SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**  
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PP10**FB**... Basic wormbox  
Riduttore base

Gearbox weight  
peso riduttore **41.00 kg**

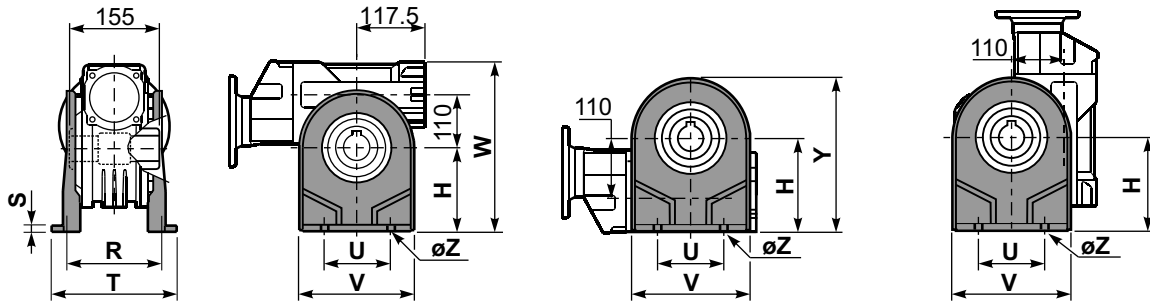
| M. flanges | Kit code   | øF  | A     |
|------------|------------|-----|-------|
| 63B5       | K063.4.041 | 140 | 214.7 |
| 71B5       | K063.4.042 | 160 | 212.7 |
| 80/90B5    | K063.4.043 | 200 | 214.7 |
| 71B14      | K063.4.047 | 105 | 212.7 |
| 80B14      | K063.4.046 | 120 | 213.7 |
| 90B14      | K063.4.041 | 140 | 214.7 |



PP10**PA**... Feet  
Piedini

PP10**PB**... Feet  
Piedini

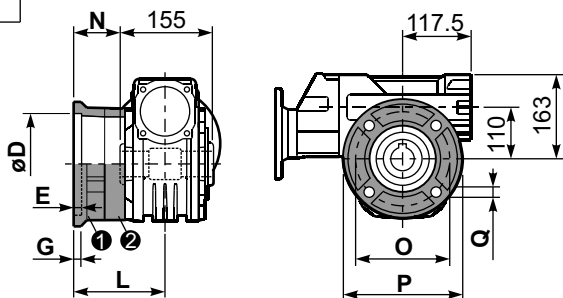
PP10**PV**... Feet  
Piedini



|        | H   | R   | S  | T   | U   | V   | Y   | W   | øZ  | kit code    |
|--------|-----|-----|----|-----|-----|-----|-----|-----|-----|-------------|
| type B | 170 | 180 | 22 | 224 | 200 | 240 | 286 | 333 | ø13 | K110.9.022  |
| type S | 172 | 160 | 18 | 190 | 200 | 240 | 288 | 335 | ø14 | KS110.9.023 |

PP10**FC**... Output flange  
Flangia uscita

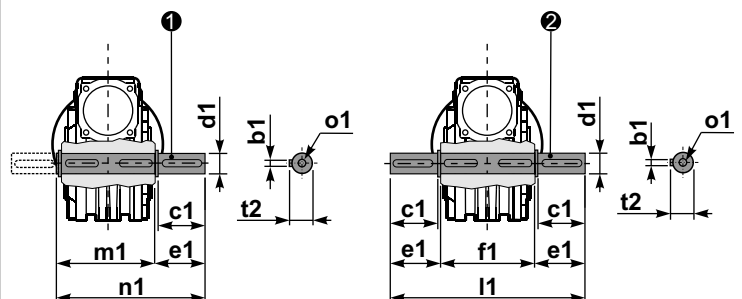
PP10**BR**... Reaction arm  
Braccio di reazione



| type B | øD                                 | E   | G    | L     | N     | O   | P   | Q  | kit code             |
|--------|------------------------------------|-----|------|-------|-------|-----|-----|----|----------------------|
| FC     | 170 <sup>+0.083</sup> <sub>0</sub> | 11  | 16.5 | 131.5 | 54    | 230 | 270 | 13 | ① K110.9.010<br>② -  |
| FL     | 170 <sup>+0.083</sup> <sub>0</sub> | 11  | 16.5 | 179.5 | 102   | 230 | 270 | 13 | ① K110.9.011<br>② -  |
| type S | øD                                 | E   | G    | L     | N     | O   | P   | Q  | kit code             |
| F1     | 180 <sup>+0.040</sup> <sub>0</sub> | 5   | 18   | 150   | 72.5  | 215 | 250 | 15 | ① KS110.9.014<br>② - |
| F2     | 170 <sup>+0.083</sup> <sub>0</sub> | 9.5 | 15   | 178   | 100.5 | 230 | 270 | 13 | ① KS110.9.012<br>② - |
| F3     | 180 <sup>+0.040</sup> <sub>0</sub> | 5   | 18   | 130   | 52.5  | 215 | 250 | 15 | ① KS110.9.013<br>② - |

PP10.....**S**... Single Shaft  
Albero lento semplice

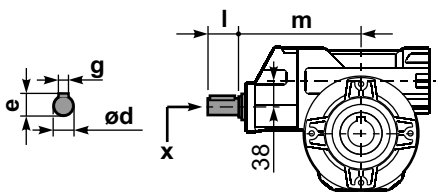
PP10.....**D**... Double Shaft  
Albero lento bisp.



① kit cod. K110.5.028 type B

② kit cod. K110.5.029 type B

RP10**FB**... Input shaft  
Albero in entrata



|        | ød    | e    | g | l  | m   | x     |
|--------|-------|------|---|----|-----|-------|
| type B | 19 h6 | 21.5 | 6 | 35 | 205 | M6x16 |
| type S | -     | -    | - | -  | -   | -     |

|        | b1 | c1 | d1                                     | e1   | f1  | l1  | m1    | n1  | t2 | o1     |
|--------|----|----|--|------|-----|-----|-------|-----|----|--------|
| type B | 12 | 75 | 42 <sup>-0.005</sup> <sub>-0.020</sub> | 96.5 | 155 | 348 | 163.5 | 260 | 45 | M12x32 |
| type S | -  | -  | -                                      | -    | -   | -   | -     | -   | -  | -      |