

▪ **QUICK SELECTION / Selezione veloce**

input speed (n_1) = 1400 min⁻¹

| Output Speed n_2 [min ⁻¹] | Ratio i | Motor power P_{1M} [kW] | Output torque M_{2M} [Nm] | Service factor f.s. | Nominal power P_{1R} [kW] | Nominal torque M_{2R} [Nm] | Available B5 motor flanges | | | | | Available B14 motor flanges | | | | Dynamic efficiency RD | Tooth Module [mm] | Ratios code | |
|---|--------------|---------------------------------|-----------------------------------|------------------------|-----------------------------------|------------------------------------|----------------------------|----|----|------------|-----|-----------------------------|----|------------|-----|--------------------------|----------------------|-------------|----|
| | | | | | | | -C | -D | -E | -F | -G | -R | -T | -U | -V | | | | |
| | | | | | | | 71 | 80 | 90 | 100 112 | 132 | 80 | 90 | 100 112 | 132 | | | | |
| 200 | 7 | 7.5 | 315 | 1.5 | 11.5 | 483 | | B | B | | | | B | B | | | 88 | 5.5 | 01 |
| 140 | 10 | 7.5 | 440 | 1.2 | 9.0 | 525 | | B | B | | | | B | B | | | 86 | 5.4 | 02 |
| 88 | 16 | 5.5 | 492 | 1.1 | 6.0 | 536 | | B | B | | | | B | B | | | 82 | 5.3 | 03 |
| 70 | 20 | 4.0 | 447 | 1.2 | 4.9 | 546 | | B | B | | | | B | B | | | 82 | 4.5 | 04 |
| 61 | 23 | 3.0 | 377 | 1.4 | 4.1 | 515 | | B | B | | | | B | B | | | 80 | 3.9 | 05 |
| 47 | 30 | 3.0 | 467 | 1.4 | 4.2 | 651 | | B | B | | | | B | B | | | 76 | 5.6 | 06 |
| 37 | 38 | 3.0 | 583 | 1.1 | 3.3 | 641 | | B | B | | | | B | B | | | 75 | 4.7 | 07 |
| 31 | 45 | 2.2 | 493 | 1.2 | 2.7 | 599 | | B | B | | | | B | B | | | 73 | 4.0 | 08 |
| 26 | 53 | 2.2 | 557 | 1.1 | 2.5 | 620 | | B | B | | | | B | B | | | 70 | 3.5 | 09 |
| 22 | 64 | 1.5 | 452 | 1.2 | 1.8 | 536 | B | B | | | | | B | | | | 69 | 2.9 | 10 |
| 16.7 | 84 | 1.1 | 410 | 1.2 | 1.3 | 494 | B | B | | | | | B | | | | 65 | 2.2 | 11 |
| 14.1 | 99 | 1.1 | 446 | 1.1 | 1.2 | 483 | B | B | | | | | B | | | | 60 | 1.9 | 12 |

 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
 Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit 110 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. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore tipo 110 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. Tab.1 per oli e quantità consigliati. Tab.2 carichi radiali e assiali applicabili al riduttore.

D Das Getriebe der Baugröße 110 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. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur de type 110 est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé. Voir tableau 1 concernant les huiles et les quantités conseillées. Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur.

E El reductor tamaño 110 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.

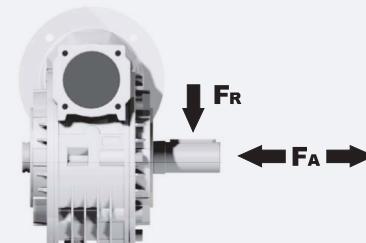
| | | | | | |
|---------|---------|---------|--------|---------|--------|
| | | | | | |
| B3 | B6 | B7 | B8 | V5 | V6 |
| 1.90 LT | 1.35 LT | 1.35 LT | 2.00LT | 2.00 LT | 2.00LT |

AGIP Blasias 460

For all details on lubrication and plugs check our website [www.alpatek.com](#) tab. 1
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

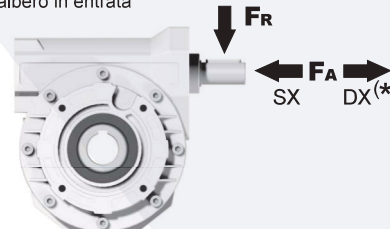
▪ **RADIAL AND AXIAL LOADS**

Output shaft
Albero di uscita



| n_2 [min ⁻¹] | FA [N] | FR [N] |
|-------------------------------|-----------|-----------|
| 200 | 600 | 2900 |
| 150 | 700 | 3300 |
| 100 | 750 | 3600 |
| 75 | 800 | 4000 |
| 50 | 920 | 4600 |
| 25 | 1200 | 6000 |
| 15 | 1400 | 7000 |

Input shaft
albero in entrata



| n_1 [min ⁻¹] | FA [N] | FR [N] |
|-------------------------------|-----------|-----------|
| 1400 | 228 | 1140 |

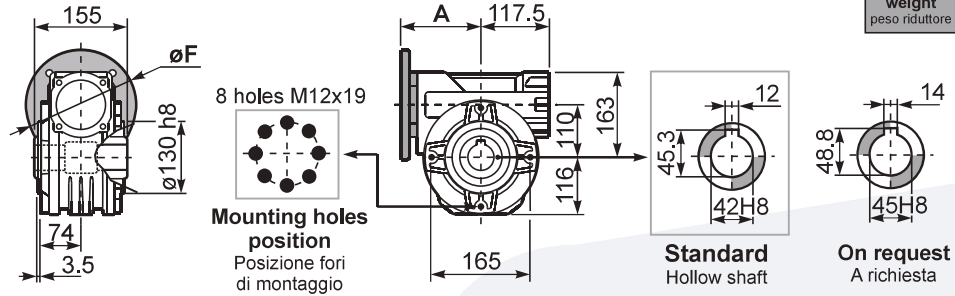
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

P110FB... Basic wormbox
Riduttore base

Gearbox weight
peso riduttore **35.00 kg**

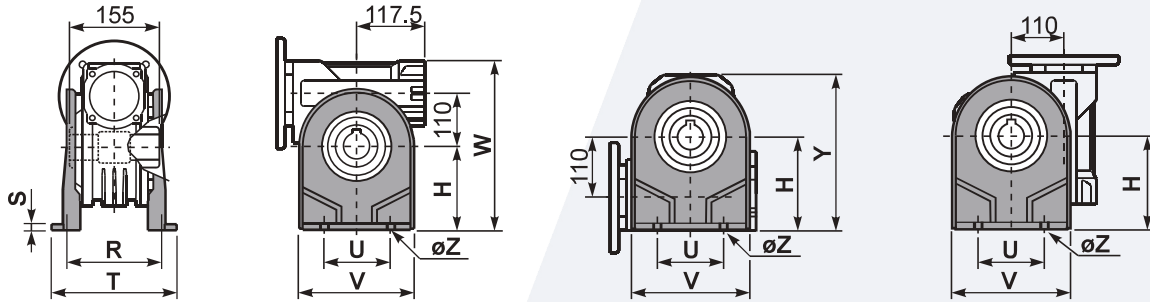
| M. flanges | Kit code | øF | A |
|------------|------------|-----|-----|
| 71B5 | K023.4.041 | 160 | 136 |
| 80/90B5 | K023.4.042 | 200 | 138 |
| 100/112B5 | K023.4.043 | 250 | 147 |
| 132B5 | - | 300 | 187 |
| | | | |
| 80B14 | K085.4.046 | 120 | 138 |
| 90B14 | K085.4.045 | 140 | 138 |
| 100/112B14 | K023.4.041 | 160 | 136 |
| 132B14 | - | 200 | 187 |



P110PA... Feet
Piedini

P110PB... Feet
Piedini

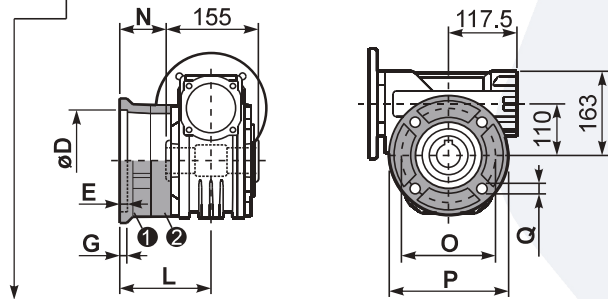
P110PV... Feet
Piedini



| | 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 | 8 | 204 | 200 | 240 | 288 | 335 | ø14 | KS110.9.023 |

P110FC... Output flange
Flangia uscita

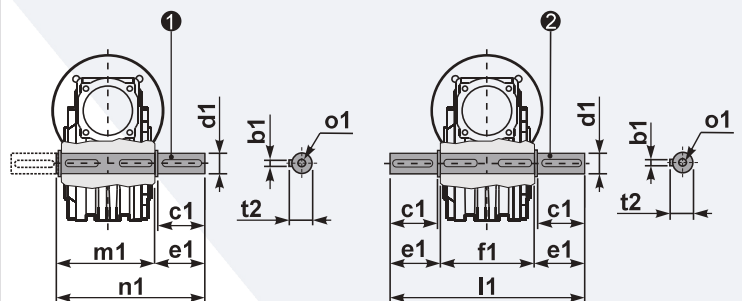
P110BR... Reaction arm
Braccio di reazione



| type B | øD | E | G | L | N | O | P | Q | kit code |
|--------|---|-----|------|-------|-------|-----|-----|----|----------------------|
| FC | 170 ^{+0,083} / _{+0,043} | 11 | 16.5 | 131.5 | 54 | 230 | 270 | 13 | ① K110.9.010 ② - |
| FL | 170 ^{+0,083} / _{+0,043} | 11 | 16.5 | 179.5 | 102 | 230 | 270 | 13 | ① K110.9.011 ② - |
| type S | øD | E | G | L | N | O | P | Q | kit code |
| F1 | 180 ^{+0,040} / ₀ | 5 | 18 | 150 | 72.5 | 215 | 250 | 15 | ① KS110.9.014 ② - |
| F2 | 170 ^{+0,083} / _{+0,043} | 9.5 | 15 | 178 | 100.5 | 230 | 270 | 13 | ① KS110.9.012 ② - |
| F3 | 180 ^{+0,040} / ₀ | 5 | 18 | 130 | 52.5 | 215 | 250 | 15 | ① KS110.9.013 ② - |

P110.....S... Single Shaft
Albero lento semplice

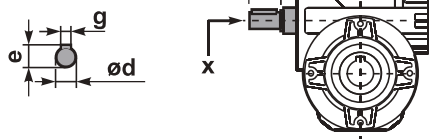
P110.....D... Double Shaft
Albero lento bisp.



① kit cod. K110.5.028 type B

② kit cod. K110.5.029 type B

R110FB... Input shaft
Albero in entrata



| | ød | e | g | l | m | x | kit code |
|--------|-------|----|---|----|-------|-------|---|
| type B | 25 h6 | 28 | 8 | 50 | 131.5 | M8x20 | ① K085.5.007 PAM90 ② K085.5.008 PAM100 |
| type S | 24 h6 | 27 | 8 | 50 | 131.5 | M8x20 | ① KS085.5.009 PAM90 ② KS085.5.011 PAM100 |

| | b1 | c1 | d1 | e1 | f1 | l1 | m1 | n1 | t2 | o1 |
|--------|----|----|--|------|-----|-----|-------|-----|----|--------|
| type B | 12 | 75 | 42 ^{-0,005} / _{-0,020} | 96.5 | 155 | 348 | 163.5 | 260 | 45 | M12x32 |
| type S | - | - | - | - | - | - | - | - | - | - |