



QUICK SELECTION / Selezione veloce The dynamic efficiency is **0.96** for all ratios **input speed (n₁) = 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 | | | Output Shaft | Ratios code |
|--|--------------|--|--|------------------------|--|---|----------------------------|-----|-----------------------------|----|----|------------------|-----------------|
| | | | | | | | -B | -C | -O | -P | -Q | | |
| | | | | | | | 63 | 71* | 56 | 63 | 71 | | |
| 407 | 3.44 | 0.55** | 12 | 2.0 | 1.1 | 25 | | | C | C | | 2821 | 01 |
| 327 | 4.28 | 0.55** | 15 | 1.9 | 1.1 | 30 | | | C | C | | 2818 | 02 |
| 257 | 5.45 | 0.55** | 20 | 2.0 | 1.1 | 40 | | | C | C | | 2815 | 03 |
| 225 | 6.23 | 0.55** | 23 | 2.0 | 1.1 | 45 | | | C | C | | 1921 | 04 |
| 194 | 7.20 | 0.55** | 26 | 1.9 | 1.1 | 50 | | | C | C | | 2812 | 05 |
| 181 | 7.74 | 0.55** | 28 | 1.8 | 0.99 | 50 | | | C | C | | 1918 | 06 |
| 142 | 9.85 | 0.55** | 36 | 1.7 | 0.93 | 60 | | | C | C | | 1915 | 07 |
| 123 | 11.42 | 0.55** | 41 | 1.5 | 0.80 | 60 | | | C | C | | 1715 | 08 |
| 107 | 13.03 | 0.55** | 47 | 1.3 | 0.70 | 60 | | | C | C | | 1912 | 09 |
| 93 | 15.10 | 0.37 | 37 | 1.6 | 0.61 | 60 | | | C | C | | 1712 | 10 |
| 86 | 16.20 | 0.37 | 39 | 1.5 | 0.57 | 60 | | | C | C | | 1910 | 11 |
| 75 | 18.78 | 0.37 | 45 | 1.3 | 0.49 | 60 | | | C | C | | 1710 | 12 |
| 66 | 21.15 | 0.37 | 51 | 1.2 | 0.43 | 60 | | | C | C | | 1312 | 13 |
| 64 | 21.84 | 0.37 | 53 | 1.1 | 0.42 | 60 | | | C | C | | 1015 | 14 |
| 53 | 26.31 | 0.37 | 64 | 0.9 | 0.35 | 60 | | | C | C | | 1310 | 15 |
| 48.5 | 28.88 | 0.37 | 70 | 1.0 | 0.37 | 70 | | | C | C | | 1012 | 16 |
| 39 | 35.91 | 0.37 | 87 | 0.8 | 0.30 | 70 | | | C | C | | 1010 | 17 |
| 37.1 | 37.69 | 0.25 | 62 | 1.1 | 0.28 | 70 | | | C | C | | 912 | 18 |
| 29.9 | 46.87 | 0.25 | 77 | 0.9 | 0.23 | 70 | | | C | C | | 910 | 19 |
| 28.1 | 49.76 | 0.25 | 81 | 0.9 | 0.21 | 70 | | | C | C | | 712 | 20 |
| 22.6 | 61.89 | 0.18 | 77 | 0.9 | 0.17 | 70 | | | C | C | | 710 | 21 |

** Concerning a reduced dimensions electric motor. * Nel montaggio P la flangia può superare l'ingombro massimo dei piedi. Eventualmente utilizzare la flangia B14 Riferito a motore con grandezza ridotta * In the P mounting the B5 motor flange can exceed the foot maximum dimensions. Possibly use the flange B14

A) Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

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

D) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **202A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. 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 **202A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **202A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. 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 **202A** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien. Voir tableau 1 concernant les huiles et les quantités conseillées. Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **202A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

LUBRICATION 202A Oil Quantity 0.15 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

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

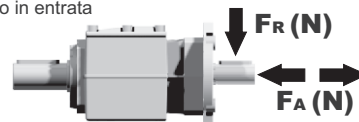
$$F_{eq} = F_R \cdot \frac{35.7}{X+20.7}$$



| n ₂ | FA | FR | n ₂ | FA | FR | n ₂ | FA | FR |
|----------------|-----|-----|----------------|-----|------|----------------|-----|------|
| 300 | 140 | 700 | 140 | 246 | 1320 | 70 | 340 | 1700 |
| 250 | 151 | 756 | 120 | 270 | 1350 | 40 | 380 | 1900 |
| 200 | 185 | 924 | 85 | 300 | 1500 | 15 | - | - |

Input shaft

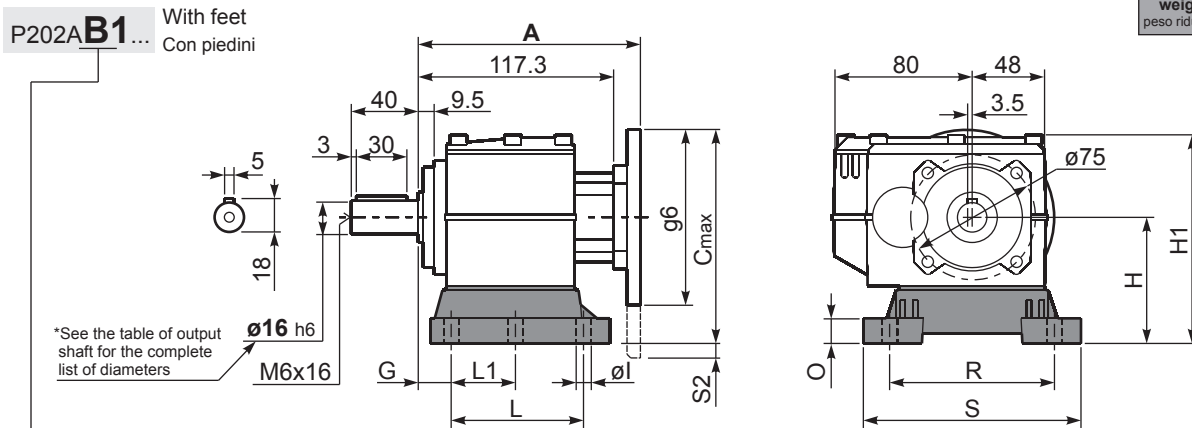
Albero in entrata



| n ₁ | FA | FR |
|----------------|-----|-----|
| 1400 | 140 | 700 |
| 900 | 160 | 800 |
| 500 | 190 | 950 |

tab. 2

Gearbox weight **3.3 kg**
 With flange
 peso riduttore **3.7 Kg**
 With feet



*See the table of output shaft for the complete list of diameters

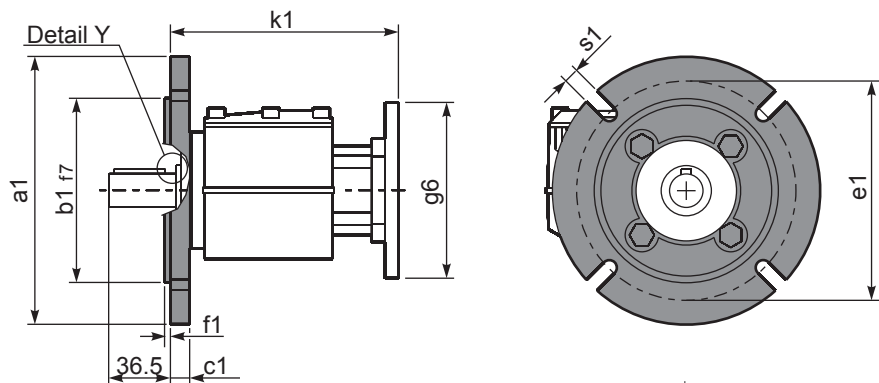
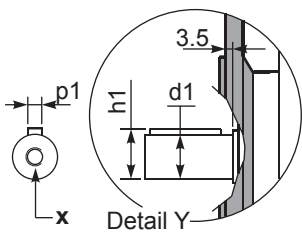
| Feet Code | Market reference | G | H | R | L | L1 | S | H1 | O | Ø1 | S2 only with motor flange | B5 max. Flange | kit code |
|-----------|------------------|----|-----|-----|-------|----|-----|-----|----|----|---------------------------|----------------|--------------|
| B1 | 112 | 18 | 85 | 110 | 87 | 50 | 130 | 133 | 15 | 9 | - | - | KC30.9.022 |
| B2 | 212/3 | 18 | 100 | 130 | 107.5 | 60 | 155 | 145 | 5 | 11 | - | - | KC30.9.023LM |
| S1 | 17-32 | 18 | 75 | 110 | 110 | 50 | 130 | 123 | 15 | 9 | - | 63B5 | KC30.9.024 |
| L4 | 04 | 13 | 80 | 105 | 76 | - | 132 | 165 | 5 | 9 | - | - | KC30.9.027LM |

Other feet are available, see our web site
 Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
 Tipi più diffusi

P202A-F... Output flanges
 flange di uscita



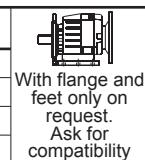
*Available output shaft / Alberi di uscita

| | Shaft - d1 | p1 | h1 | x |
|---------------------------|------------|----|------|-------|
| Standard | Ø 16x40 | 5 | 18 | M6x16 |
| On request A richiesta | Ø 14x30 | 5 | 16 | M6x16 |
| | Ø 20x40 | 6 | 22.5 | M8x19 |
| | Ø 25x50 | 8 | 28 | M8x19 |

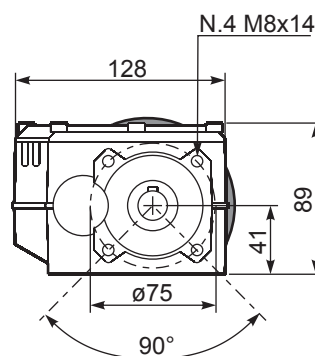
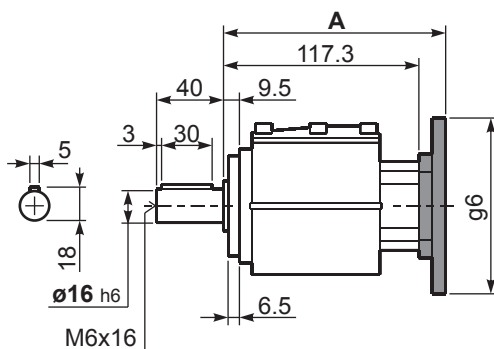
Available output flanges / flange di uscita

| a1 Ø | b1 | c1 | e1 | f1 | s1 | kit code |
|------|-----|------|-----|-----|----|------------|
| 120 | 80 | 11.5 | 100 | 3 | 9* | KC30.9.010 |
| 140 | 95 | 11.5 | 115 | 3 | 9 | KC30.9.011 |
| 160 | 110 | 11.5 | 130 | 3.5 | 9 | KC30.9.012 |
| 200 | 130 | 11.5 | 165 | 3.5 | 11 | KC30.9.013 |

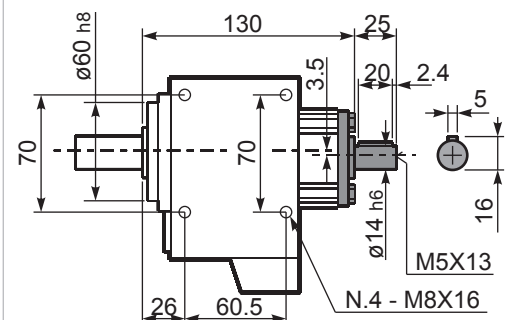
* Holes position
 Posizione fori



P202A-N... Basic gearbox
 Riduttore base



R202A-N... Input Shaft
 Albero in entrata



| B5 Motor Flanges | A | C _{max} | g6 | k1 | kit code |
|------------------|-------|------------------|-----|-------|------------|
| 63 B5 | 135.8 | 170 | 140 | 139.3 | K050.4.041 |
| 71 B5 | 133.3 | 180 | 160 | 136.8 | K050.4.042 |

| B14 Motor Flanges | A | C _{max} | g6 | k1 | kit code |
|-------------------|-------|------------------|-----|-------|------------|
| 56 B14 | 133.3 | 139 | 80 | 136.8 | KC40.4.049 |
| 63 B14 | 135.8 | 146 | 90 | 139.3 | K050.4.047 |
| 71 B14 | 133.3 | 152.5 | 105 | 136.8 | K050.4.045 |