

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

| Output speed<br>$n_2$ [min <sup>-1</sup> ] | Ratio<br>$i$ | Motor power<br>$P_{1M}$ [kW] | Output torque<br>$M_{2M}$ [Nm] | Service factor<br>$f.s$ | Nominal power<br>$P_{1R}$ [kW] | Nominal torque<br>$M_{2R}$ [Nm] | B5 motor flanges |   |   | B14 motor flanges |     |    | Dynamic efficiency<br>$RD$ | Tooth module<br>[mm] | Ratio code |
|--|--------------|------------------------------|--------------------------------|-------------------------|--------------------------------|---------------------------------|------------------|---|---|-------------------|-----|----|----------------------------|----------------------|------------|
|  |              |                              |                                |                         |                                |                                 | -                | - | - | -Q                | -R  | -T |                            |                      |            |
| 200  | 7            | 1.8                          | 71                             | 1.8                     | 3.2                            | 125                             | -                | - | - | -Q                | -R  | -T | RD                         | 3.1                  | 01         |
| 140  | 10           | 1.8                          | 99                             | 1.4                     | 2.4                            | 134                             | -                | - | - | 71                | 80  | 90 |                            | 3.1                  | 02         |
| 93   | 15           | 1.5                          | 121                            | 1.1                     | 1.7                            | 138                             |                  |   |   | B-C               | B-C |    |                            | 3.1                  | 03         |
| 74   | 19           | 1.1                          | 111                            | 1.2                     | 1.4                            | 138                             |                  |   |   | B-C               | B-C |    |                            | 2.6                  | 04         |
| 58   | 24           | 1.1                          | 135                            | 1.0                     | 1.2                            | 142                             |                  |   |   | B-C               | B-C |    |                            | 2.0                  | 05         |
| 47   | 30           | 1.1                          | 167                            | 0.9                     | 0.96                           | 146                             |                  |   |   | B-C               | B-C |    |                            | 3.2                  | 06         |
| 39   | 36           | 0.75                         | 125                            | 1.2                     | 0.88                           | 147                             |                  |   |   | B-C               | B-C |    |                            | 2.7                  | 07         |
| 35   | 40           | 0.75                         | 135                            | 1.0                     | 0.78                           | 140                             |                  |   |   | B-C               | B-C |    |                            | 2.5                  | 13         |
| 31   | 45           | 0.55                         | 111                            | 1.2                     | 0.67                           | 135                             |                  |   |   | B-C               | C   |    |                            | 2.1                  | 08         |
| 23   | 60           | 0.55                         | 140                            | 0.9                     | 0.51                           | 130                             |                  |   |   | B-C               | C   |    |                            | 1.6                  | 12         |
| 21   | 67           | 0.55                         | 151                            | 0.8                     | 0.45                           | 124                             |                  |   |   | B-C               | C   |    |                            | 1.5                  | 09         |
| 17.5                                       | 80           | 0.37                         | 115                            | 1.0                     | 0.38                           | 119                             |                  |   |   | B-C               | C   |    |                            | 1.3                  | 10         |
| 14.9                                       | 94           | 0.37                         | 123                            | 1.0                     | 0.36                           | 119                             |                  |   |   | B-C               | C   |    |                            | 1.1                  | 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

## Lubrication

Lubrificazione

Unit N63 is supplied with synthetic oil to assure long life lubrication. Food grade oil is available on request.

See Table 1 for lubrication and recommended quantity.

See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo N63 viene fornito con olio sintetico e lubrificazione tipo "long life".

Disponibile a richiesta olio alimentare.

Vedi Tabella 1 per oli e quantità consigliati.

Vedi Tabella 2 per i carichi radiali e assiali applicabili al riduttore.

Oil quantity for all positions:  
0.45Lt.

Quantità olio per tutte le posizioni: 0.45Lt.

Shell

Omala S4 WE 320

Eni

Telium VSF 320

Tab. 1

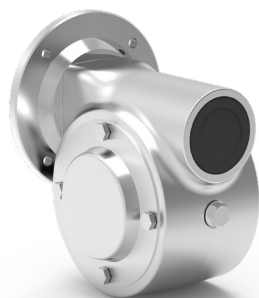
## Suggested

Suggerito

Stainless steel protection cap (on request).

Coperchio di protezione in acciaio inox a richiesta.

Kit cod. KN630209



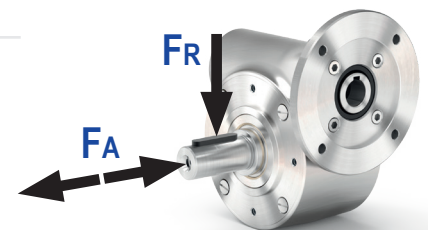
## Radial and axial loads

Carichi radiali e assiali

### Output shaft

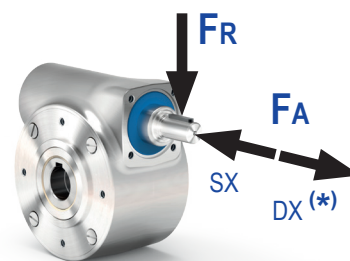
Albero di uscita

| $n_2$ [min <sup>-1</sup> ] | $F_A$ [N] | $F_R$ [N] |
|----------------------------|-----------|-----------|
| 200                        | 360       | 1800      |
| 150                        | 400       | 2000      |
| 100                        | 460       | 2300      |
| 75                         | 500       | 2500      |
| 50                         | 600       | 3000      |
| 25                         | 700       | 3800      |
| 15                         | 800       | 4000      |



### Input shaft

Albero in entrata



| $n_1$ [min <sup>-1</sup> ] | $F_A$ [N] | $F_R$ [N] |
|----------------------------|-----------|-----------|
| 1400                       | 90        | 450       |

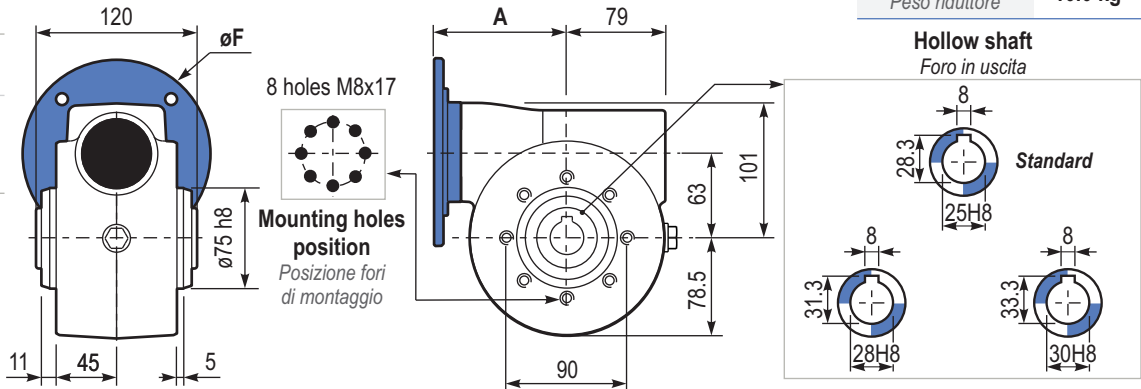
\* Strong axial loads in the DX direction are not allowed.

\* Non sono consentiti forti carichi assiali con direzione DX

Tab. 2

**PN63UNI..** Basic gearbox  
*Riduttore base*

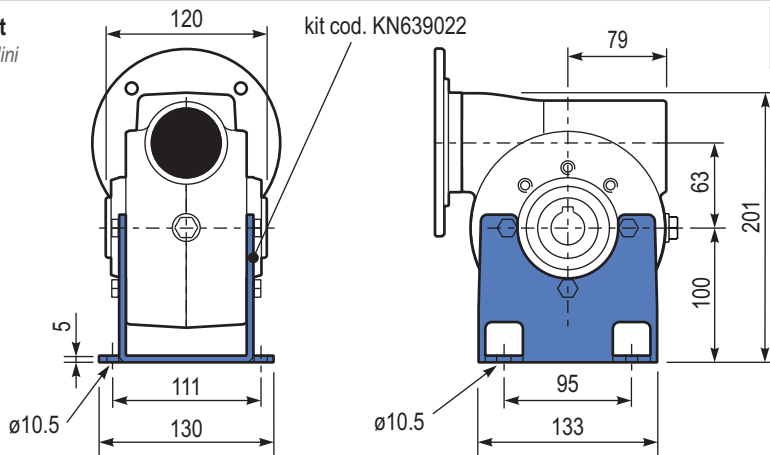
| M. flanges | Kit code | øF  | A  |
|------------|----------|-----|----|
| 71B14      | KI634047 | 105 | 97 |
| 80B14      | KI634046 | 120 | 99 |
| 90B14      | KI634041 | 140 | 99 |



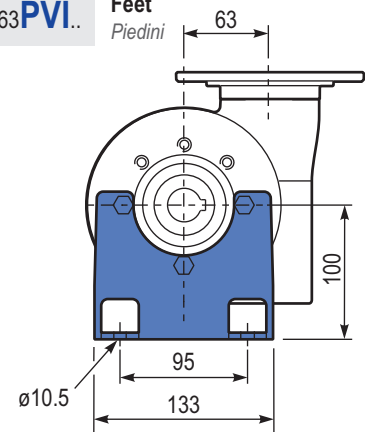
**Gearbox weight**  
*Peso riduttore* 10.0 kg

**Hollow shaft**  
*Foro in uscita*

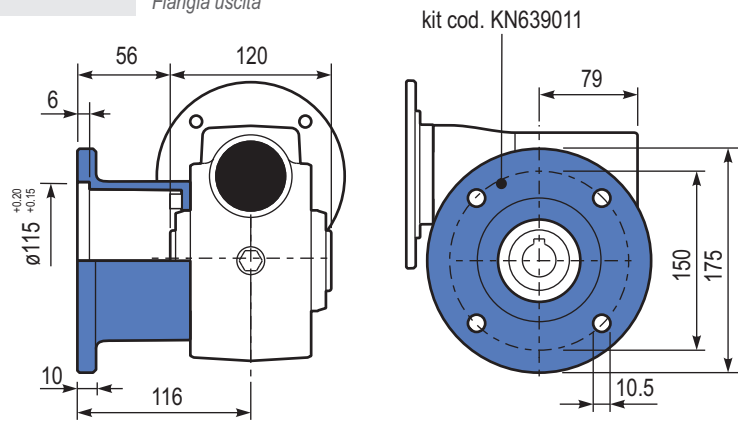
**PN63PAI..** Feet  
*Piedini*



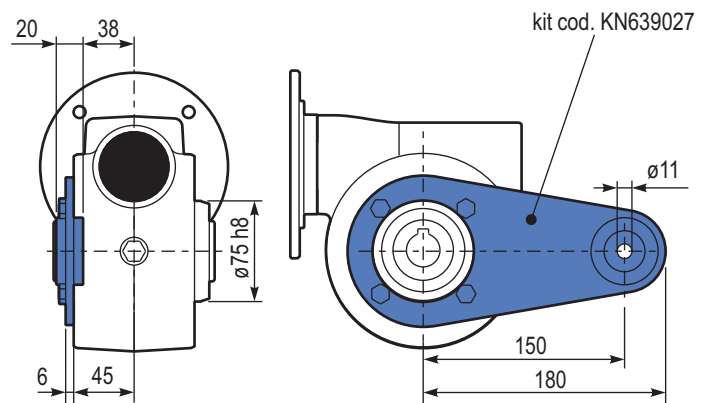
**PN63PVI..** Feet  
*Piedini*



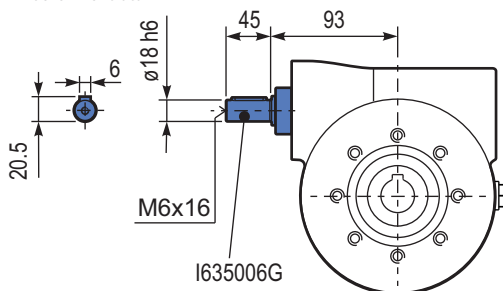
**PN63FLL..** Output flange  
*Flangia uscita*



**PN63BRI..** Reaction arm  
*Braccio di reazione*



**RN63UNI..** Input shaft  
*Albero in entrata*



**PN63..SMF** Single output shaft  
*Albero semplice in uscita*

