

## VFI series Full stainless steel worm gearboxes

Riduttori a vite senza fine completamente in acciaio inox

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] | Ratios code |
|--|--------------|------------------------------|--------------------------------|-------------------------|--------------------------------|---------------------------------|------------------|---|---|-------------------|----|----|--------------------------|----------------------|-------------|
|  |              |                              |                                |                         |                                |                                 | -                | - | - | -R                | -T | -U |                          |                      |             |
| 200  | 7            | 4.0                          | 168                            | 1.5                     | 6.1                            | 257                             | -                | - | - | B                 | B  |    | 88                       | 4.23                 | 01          |
| 140  | 10           | 4.0                          | 218                            | 1.3                     | 5.2                            | 284                             | -                | - | - | B                 | B  |    | 80                       | 4.2                  | 02          |
| 100  | 14           | 3.0                          | 223                            | 1.4                     | 4.1                            | 305                             | -                | - | - | B                 | B  |    | 78                       | 4.5                  | 03          |
| 70   | 20           | 2.2                          | 237                            | 1.2                     | 2.7                            | 294                             | -                | - | - | B                 | B  |    | 79                       | 3.4                  | 04          |
| 64   | 22           | 2.2                          | 258                            | 1.1                     | 2.5                            | 294                             | -                | - | - | B                 | B  |    | 78                       | 3.1                  | 05          |
| 50   | 28           | 2.2                          | 315                            | 1.1                     | 2.4                            | 347                             | -                | - | - | B                 | B  |    | 75                       | 4.7                  | 06          |
| 37   | 38           | 1.5                          | 276                            | 1.2                     | 1.8                            | 336                             | -                | - | - | B                 | B  |    | 71                       | 3.5                  | 07          |
| 30   | 46           | 1.5                          | 320                            | 1.0                     | 1.5                            | 326                             | -                | - | - | B                 | B  |    | 68                       | 3.1                  | 08          |
| 27   | 52           | 1.1                          | 258                            | 1.1                     | 1.2                            | 289                             | -                | - | - | B                 | B  |    | 66                       | 2.7                  | 09          |
| 21   | 67           | 1.1                          | 327                            | 0.9                     | 0.97                           | 289                             | -                | - | - | B                 | B  |    | 65                       | 2.1                  | 10          |
| 18.9                                       | 74           | 0.75                         | 220                            | 1.2                     | 0.91                           | 268                             | -                | - | - | B                 | B  |    | 58                       | 1.9                  | 11          |
| 14.6                                       | 96           | 0.55                         | 191                            | 1.3                     | 0.70                           | 242                             | -                | - | - | B                 | B  |    | 53                       | 1.5                  | 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

**C)** Motor flange holes position  
Posizione fori flangia motore

### Lubrication

Lubrificazione

Unit I85 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 I85 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.

**Agip**

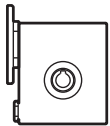
Telium VSF 320

**Shell**

Omala S4 WE 320

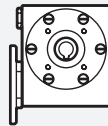
**B3**

Standard  
1.40 LT



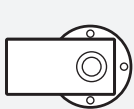
**B8**

On request  
1.40 LT



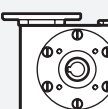
**B6**

On request  
1.40 LT



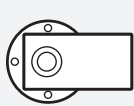
**V5**

On request  
1.40 LT



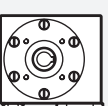
**B7**

On request  
1.70 LT



**V6**

On request  
1.40 LT



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

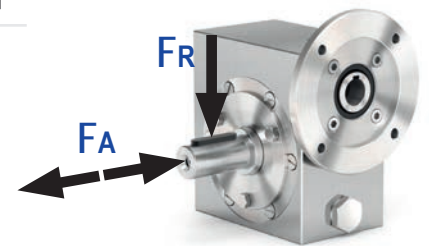
### Radial and axial loads

Carichi radiali e assiali

#### Output shaft

Albero di uscita

| $n_2$ [min <sup>-1</sup> ] | $F_A$ [N] | $F_R$ [N] |
|----------------------------|-----------|-----------|
| 200                        | 500       | 2500      |
| 150                        | 580       | 2900      |
| 100                        | 600       | 3000      |
| 75                         | 700       | 3500      |
| 50                         | 800       | 4000      |
| 25                         | 1000      | 5000      |
| 15                         | 1160      | 5800      |



#### Input shaft

Albero in entrata

| $n_1$ [min <sup>-1</sup> ] | $F_A$ [N] | $F_R$ [N] |
|----------------------------|-----------|-----------|
| 1400                       | 130       | 650       |

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

\* Non sono consentiti forti carichi assiali con direzione DX

