



#### 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 |    |            | Output Shaft<br> | Output Shaft<br>$\varnothing$ | Ratios code<br> |
|-----------------------------------------------|--------------|---------------------------------|-----------------------------------|------------------------|-----------------------------------|------------------------------------|----------------------------|----|------------|-----------------------------|----|------------|------------------|-------------------------------|-----------------|
|                                               |              |                                 |                                   |                        |                                   |                                    | -D                         | -E | -F         | -R                          | -T | -U         |                  |                               |                 |
|                                               |              |                                 |                                   |                        |                                   |                                    | 80                         | 90 | 100<br>112 | 80                          | 90 | 100<br>112 |                  |                               |                 |
| 481                                           | <b>2.91</b>  | 4                               | 76                                | 1.8                    | <b>7.2</b>                        | <b>140</b>                         | B                          | B  |            | B                           | B  |            | 3499             | <b>standard</b>               | 01              |
| 373                                           | <b>3.75</b>  | 4                               | 98                                | 1.6                    | <b>6.4</b>                        | <b>160</b>                         | B                          | B  |            | B                           | B  |            | 28105            | <b>ø30</b>                    | 02              |
| 263                                           | <b>5.33</b>  | 4                               | 140                               | 1.2                    | <b>4.8</b>                        | <b>170</b>                         | B                          | B  |            | B                           | B  |            | 21112            |                               | 03              |
| 219                                           | <b>6.39</b>  | 4                               | 167                               | 1.0                    | <b>4.0</b>                        | <b>170</b>                         | B                          | B  |            | B                           | B  |            | 18115            | ø25                           | 04              |
| 178                                           | <b>7.85</b>  | 4                               | 205                               | 1.1                    | <b>4.3</b>                        | <b>225</b>                         | B                          | B  |            | B                           | B  |            | 13102            | ø35                           | 05              |

The dynamic efficiency is **0.98** for all ratios

On request

**A) 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 **FA41** 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 **FA41** 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 **FA41** 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 **FA41** 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 **FA41** 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.

| Standard supplied     | For these mounting position specify in the order or add oil<br>Per queste posizioni specificare in fase d'ordine o aggiungere olio |         |                    |         |         |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------|---------|---------|
|                       |                                                                                                                                    |         |                    |         |         |
| H1                    | H4                                                                                                                                 | H3      | H2                 | H5      | H6      |
| 1.10 LT               | 0.65 LT                                                                                                                            | 0.65 LT | 0.65 LT            | 1.15 LT | 0.80 LT |
| SHELL Omala S4 WE 320 |                                                                                                                                    |         | ENI Telium VSF 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

$F_{eq} = F_R \cdot \frac{127.5}{X+97.5}$

| $n_2$<br>[min <sup>-1</sup> ] | FA  | FR   | $n_2$<br>[min <sup>-1</sup> ] | FA  | FR   | $n_2$<br>[min <sup>-1</sup> ] | FA  | FR   |
|-------------------------------|-----|------|-------------------------------|-----|------|-------------------------------|-----|------|
| <b>300</b>                    | 300 | 1500 | <b>140</b>                    | 390 | 1950 | <b>70</b>                     | 490 | 2450 |
| <b>250</b>                    | 320 | 1600 | <b>120</b>                    | 410 | 2050 | <b>40</b>                     | 590 | 2950 |
| <b>200</b>                    | 350 | 1750 | <b>85</b>                     | 460 | 2300 | <b>15</b>                     | 800 | 4000 |

**On request reinforced bearings to increase loads.**  
A richiesta cuscinetti rinforzati per aumentare i carichi.

**tab. 2**

