



# Motoriduttori brushless CC pendolari Brushless DC helical parallel gearmotors

FT146 con motore brushless CC

FT146 with brushless DC motor

| FT146 | BL070.240 / BL070.480 / BL070.48B |     |     |                           |     |     |                           |
|-------|-----------------------------------|-----|-----|---------------------------|-----|-----|---------------------------|
|       | 24V / 48V                         |     |     |                           |     |     |                           |
| ir    | n <sub>2MIN</sub> [ rpm ]         |     |     | n <sub>2MAX</sub> [ rpm ] |     |     | n <sub>1MAX</sub> [ rpm ] |
|       | M <sub>2</sub> [Nm]               | sf  |     | M <sub>2</sub> [Nm]       | sf  |     |                           |
| 18.8  | 16.0                              | 12  | 7.5 | 160                       | 12  | 5.1 | 3000                      |
| 26.2  | 11.5                              | 17  | 5.3 | 115                       | 17  | 3.6 |                           |
| 28.3  | 10.6                              | 19  | 4.9 | 106                       | 19  | 3.4 |                           |
| 35.1  | 8.6                               | 23  | 5.0 | 86                        | 23  | 3.4 |                           |
| 39.4  | 7.6                               | 26  | 4.3 | 76                        | 26  | 2.9 |                           |
| 46.4  | 6.5                               | 31  | 3.8 | 65                        | 31  | 2.6 |                           |
| 52.9  | 5.7                               | 35  | 3.3 | 57                        | 35  | 2.2 |                           |
| 60.6  | 4.9                               | 40  | 3.2 | 49                        | 40  | 2.2 |                           |
| 70.0  | 4.3                               | 46  | 2.7 | 43                        | 46  | 1.9 |                           |
| 84.6  | 3.5                               | 56  | 2.3 | 35                        | 56  | 1.5 |                           |
| 95.6  | 3.1                               | 63  | 2.0 | 31                        | 63  | 1.4 |                           |
| 113.4 | 2.6                               | 75  | 1.7 | 26                        | 75  | 1.1 |                           |
| 133.4 | 2.2                               | 88  | 1.4 | 22                        | 88  | 1.0 |                           |
| 150.2 | 2.0                               | 99  | 1.3 | 20                        | 99  | 0.9 |                           |
| 160.4 | 1.9                               | 106 | 1.3 | 19                        | 106 | 0.9 |                           |
| 178.8 | 1.7                               | 118 | 1.2 | 17                        | 118 | 0.8 |                           |
| 223.9 | 1.3                               | 147 | 0.9 | 13                        | 134 | 0.7 |                           |
| 236.8 | 1.3                               | 156 | 0.9 | 13                        | 134 | 0.7 |                           |
| 300.1 | 1.0                               | 170 | 0.8 | 10                        | 134 | 0.7 |                           |
| 397.4 | 0.8                               | 170 | 0.8 | 7.5                       | 134 | 0.7 |                           |

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico  
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.

| Tipo<br>Type           | Numero di poli<br>Number of poles       | Numero di fasi<br>Number of phase           | Tensione<br>Rated voltage<br>[ V ]  | Numero di giri<br>Rated speed<br>[ rpm ] | Coppia nominale<br>Rated torque<br>[ Nm ] | Potenza nominale<br>Rated power<br>[ W ] |
|------------------------|---|---|-------------------------------------|--|---|--|
| BL070.240              | 8                                       | 3   | 24                                  | 3000                                     | 0.7                                       | 220                                      |
| BL070.480<br>BL070.48B | 8                                       | 3   | 48                                  | 3000                                     | 0.7                                       | 220                                      |
| Tipo<br>Type           | Coppia massima<br>Peak torque<br>[ Nm ] | Corrente nominale<br>Rated current<br>[ A ] | Resistenza<br>Resistance<br>[ ohm ] | Induttanza<br>Inductance<br>[ mH ]       | Corrente massima<br>Peak current<br>[ A ] | Peso<br>Weight<br>[ kg ]                 |
| BL070.240              | 2.1                                     | 13  | 0.091                               | 0.23                                     | 26  | 2.1                                      |
| BL070.480<br>BL070.48B | 1.4                                     | 6.5   | 0.34                                | 1.0                                      | 13  | 2.1                                      |

