

### CM030 con motore C.C. CM030 with DC motor

| CM030 | EC100      |         |            |         | EC180      |         |            |         |
|-------|------------|---------|------------|---------|------------|---------|------------|---------|
|       | S1 12/24 V |         | S2 12/24 V |         | S1 12/24 V |         | S2 12/24 V |         |
| i     | [ Nm ]     | [ rpm ] | [ Nm ]     | [ rpm ] | [ Nm ]     | [ rpm ] | [ Nm ]     | [ rpm ] |
| 5     | 1,38       | 600     | 1,91       | 600     | 2,54       | 600     | 3,56       | 600     |
| 7,5   | 2,05       | 400     | 2,84       | 400     | 3,77       | 400     | 5,29       | 400     |
| 10    | 2,67       | 300     | 3,70       | 300     | 4,91       | 300     | 6,89       | 300     |
| 15    | 3,91       | 200     | 5,42       | 200     | 7,19       | 200     | 10,09      | 200     |
| 20    | 5,02       | 150     | 6,96       | 150     | 9,23       | 150     | 12,95      | 150     |
| 25    | 6,05       | 120     | 8,39       | 120     | 11,12      | 120     | 15,61      | 120     |
| 30    | 6,88       | 100     | 9,54       | 100     | 12,65      | 100     | 17,75      | 100     |
| 40    | 8,68       | 75      | 12,04      | 75      | 15,96      | 75      | 22,40      | 75      |
| 50    | 10,01      | 60      | 13,88      | 60      | 18,41      | 60      | 25,83      | 60      |
| 60    | 11,53      | 50      | 15,99      | 50      | 21,20      | 50      | 29,75      | 50      |
| 80    | 14,14      | 38      | 19,61      | 38      | 26,00      | 38      | 36,49      | 38      |
| 100   | 16,12      | 30      | 22,36      | 30      | 29,64      | 30      | 41,60      | 30      |

Nota: le caselle in colore grigio indicano il superamento della coppia massima sopportata dal riduttore per il servizio in S1.

N.B.: boxes in grey indicate that maximum torque withstood by gear reducer for service in S1 is exceeded.

| Carichi Radiali<br>Radial Loads | CM030 | n <sub>2</sub> [ rpm ] |     |     |     |      |      |      |      |      |      |      |
|---------------------------------|-------|------------------------|-----|-----|-----|------|------|------|------|------|------|------|
|                                 |       | 187                    | 140 | 93  | 70  | 56   | 47   | 35   | 28   | 23   | 18   | 14   |
| R <sub>2</sub> [ N ]            |       | 674                    | 743 | 851 | 936 | 1008 | 1069 | 1179 | 1270 | 1356 | 1471 | 1600 |

| Rendimento<br>Efficiency | CM030 | n <sub>1</sub> [ rpm ] | Rapporto / Ratio |     |    |    |    |    |    |    |    |    |    |     |
|--------------------------|-------|------------------------|------------------|-----|----|----|----|----|----|----|----|----|----|-----|
|                          |       |                        | 5                | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
|                          | Rd    | 2800                   |                  | 89  | 88 | 86 | 84 | 81 | 78 | 74 | 70 | 65 | 62 | 57  |
| Rs                       | 0     |                        | 72               | 67  | 63 | 55 | 50 | 43 | 39 | 35 | 31 | 27 | 23 | 21  |

| Coppia nominale<br>Nominal Torque | CM030 | n <sub>1</sub> [ rpm ] | Rapporto / Ratio |     |    |    |    |    |    |    |    |    |    |     |
|-----------------------------------|-------|------------------------|------------------|-----|----|----|----|----|----|----|----|----|----|-----|
|                                   |       |                        | 5                | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
| M <sub>2</sub> [ Nm ]             | 2800  |                        | 13               | 15  | 16 | 16 | 14 | 15 | 18 | 16 | 15 | 14 | 12 | 11  |

| Tipo Type | Servizio Duty | Pn [ W ] | V [ V ] | I [ A ] | IC | FF | Mn [ Nm ] | n1 [ min <sup>-1</sup> ] | IP | Kg  |
|-----------|---------------|----------|---------|---------|----|----|-----------|--------------------------|----|-----|
| EC100.120 | S1            | 100      | 12      | 12      | F  | 1  | 0,31      | 3000                     | 44 | 2,7 |
|           | S2 25'        | 140      |         | 16,8    |    |    | 0,43      |                          |    |     |
| EC100.240 | S1            | 100      | 24      | 6       |    |    | 0,31      |                          |    |     |
|           | S2 25'        | 140      |         | 8,4     |    |    | 0,43      |                          |    |     |

| Tipo Type | Servizio Duty | Pn [ W ] | V [ V ] | I [ A ] | IC | FF | Mn [ Nm ] | n1 [ min <sup>-1</sup> ] | IP | Kg  |
|-----------|---------------|----------|---------|---------|----|----|-----------|--------------------------|----|-----|
| EC180.120 | S1            | 180      | 12      | 21,5    | F  | 1  | 0,57      | 3000                     | 44 | 3,4 |
|           | S2 25'        | 250      |         | 30      |    |    | 0,8       |                          |    |     |
| EC180.240 | S1            | 180      | 24      | 10,8    |    |    | 0,57      |                          |    |     |
|           | S2 25'        | 250      |         | 15      |    |    | 0,8       |                          |    |     |

#### Simbologia / Symbols

|         |  |          |  |
|---------|--|----------|--|
| i       | rapporto di riduzione / ratio  | IC       | Classe di isolamento termico<br>Thermal insulation class |
| M2 [Nm] | coppia in uscita in funzionamento continuativo S1<br>output torque for continuous operation S1 | FF       | Fattore di forma / Form factor                           |
| Rd      | rendimento dinamico / efficiency   | Mn [Nm]  | Coppia / Torque  |
| Rs      | rendimento statico / static efficiency   | n1 [Rpm] | Giri / Speed   |
| R2 [N]  | massimo carico radiale al centro dell'albero uscita<br>max. radial load at output shaft centre | IP       | Grado di protezione / Enclosure protection               |
| Pn [W]  | Potenza nominale / Nominal power   |          |  |
| V [V]   | Tensione / Voltage   |          |  |
| I [A]   | Assorbimento / Current   |          |  |