



**SELEZIONE MOTORIDUTTORI / GEARMOTORS SELECTION / WAHL DES GETRIEBEMOTORS  
SELECTION DES MOTO-REDUCTEURS / SELECCIÓN MOTO-REDUCTORES**

**Come selezionare un motoriduttore / How to select a motorized gearbox / Wie wählt man einen Getriebemotor  
Comment sélectionner un moto-réducteur / Cómo seleccionar un moto-reductores**

|   |   |  |   |   |   |             |  |  |   |   |   |          |  |           |  |
|---|---|--|---|---|---|-------------|--|--|---|---|---|----------|--|-----------|--|
| <b>B</b>  | Velocità di rotazione<br>Rotation speed<br>Abtriebsdrehzahl<br>Vitesse de rotation<br>Velocidad de salida | <b>C</b>   | Momento torcente<br>Torque moment<br>Drehmoment<br>Moment de torsion<br>Par torsion | Fattore di servizio<br>Service factor<br>Betriebsfaktor<br>Facteur de service<br>Factor de servicio | Diametro albero uscita<br>Output shaft diam.<br>Durchmesser Abtriebswelle<br>Diamètre arbre de sortie<br>Diametro eje de salida | <b>A</b>    | Potenza motore<br>Power<br>Leistung<br>Puissance<br>Potencia | <b>E</b>                               | Flangia IEC<br>IEC Flange<br>IEC Flansch<br>Bride CEI<br>Bridas IEC | Note<br>Notes<br>Anmerkungen<br>Note<br>Notas |   |          |  |           |  |
| <b>P<sub>1M</sub> = 0.37 kW    n<sub>1</sub> = 2800 min<sup>-1</sup>(71A2) - 1400 min<sup>-1</sup>(71B4) - 900 min<sup>-1</sup>(80A6)</b>   |   |  |   |   |   |             |  |  |   |   |   |          |  |           |  |
| <b>n<sub>2</sub></b><br>[min <sup>-1</sup> ]  | <b>M<sub>2</sub></b><br>[Nm]  | <b>i</b>   | <b>fs</b>   |   |   |             | <b>B5</b>  | <b>B14</b>                             |   | <br>Dimensions on page                        |   |          |  |           |  |
| <b>96</b>   | 35  | <b>14.53</b>   | 5.7   | 25  | <b>F32A</b>   | <b>71B4</b> | 63 <sup>B5</sup> -71-80-90                                   | 71 <sup>C1</sup> -80 <sup>C1</sup> -90 |   | 19  |   |          |  |           |  |
| <b>112</b>  | 30  | <b>8.03</b>  | 5.6   | 25  | <b>F32A</b>   | <b>80A6</b> | 63 <sup>B5</sup> -71-80-90                                   | 71 <sup>C1</sup> -80 <sup>C1</sup> -90 |   | 19  |   |          |  |           |  |
| <b>135</b>  | 25  | <b>10.40</b>   | 7.3   | 25  | <b>F32A</b>   | <b>71B4</b> | 63 <sup>B5</sup> -71-80-90                                   | 71 <sup>C1</sup> -80 <sup>C1</sup> -90 |   | 19  |   |          |  |           |  |
| <b>142</b>  | 24  | <b>19.76</b>   | 7.5   | 25  | <b>F32A</b>   | <b>71A2</b> | 63 <sup>B5</sup> -71-80-90                                   | 71 <sup>C1</sup> -80 <sup>C1</sup> -90 |   | 19  |   |          |  |           |  |
| <b>166</b>  | 20  | <b>16.84</b>   | 8.8   | 25  | <b>F32A</b>   | <b>71A2</b> | 63 <sup>B5</sup> -71-80-90                                   | 71 <sup>C1</sup> -80 <sup>C1</sup> -90 |   | 19  |   |          |  |           |  |
| <table border="1" style="width: 100%;"> <tr> <td><b>Rapporto</b><br/>Ratio<br/>Untersetzung<br/>Rapport<br/>Relación</td> <td><b>D</b></td> <td>Riduttore in alluminio<br/>Aluminium gearbox<br/>Aluminiumgetriebe<br/>Réducteur en aluminium<br/>Reductor en aluminio</td> <td><b>D2</b></td> <td>Codice motore IEC<br/>IEC motor code<br/>Motor code IEC<br/>Code moteur IEC<br/>Código motor IEC</td> </tr> </table> |   |  |   |   |   |             |  |  |   |   | <b>Rapporto</b><br>Ratio<br>Untersetzung<br>Rapport<br>Relación | <b>D</b> | Riduttore in alluminio<br>Aluminium gearbox<br>Aluminiumgetriebe<br>Réducteur en aluminium<br>Reductor en aluminio | <b>D2</b> | Codice motore IEC<br>IEC motor code<br>Motor code IEC<br>Code moteur IEC<br>Código motor IEC |
| <b>Rapporto</b><br>Ratio<br>Untersetzung<br>Rapport<br>Relación   | <b>D</b>  | Riduttore in alluminio<br>Aluminium gearbox<br>Aluminiumgetriebe<br>Réducteur en aluminium<br>Reductor en aluminio | <b>D2</b>   | Codice motore IEC<br>IEC motor code<br>Motor code IEC<br>Code moteur IEC<br>Código motor IEC        |   |             |  |  |   |   |   |          |  |           |  |
| <b>n<sub>1</sub> = 1400 (2800, 900) min<sup>-1</sup></b>  |   |  |   |   |   |             |  |  |   |   |   |          |  |           |  |

|          |   |           |  |  |
|----------|---|-----------|--|--|
| <b>E</b> | Flange disponibili<br>Motor flange available<br>Erhältliche Motorflansche<br>Brides disponibles<br>Bridas disponibles | <b>B)</b> | Montaggio con boccola di riduzione / Coupling by means of reduction bushing<br>Reduzierhülsen / Montage avec douille de réduction / Montaje con casquillo de reducción   |  |
|          |   | <b>C)</b> | Posizione fori flangia/basetta motore / Motor flange/terminal box position<br>Bohrungsposition am Motorflansch/-sockel / Position trous bride/barrette à bornes moteur<br>Posición agujeros brida / base motor |  |

|              |   |  |   |  |   |
|--------------|---|--|---|--|---|
| <b>A</b>     | Seleziona la potenza  | Select power   | Ausgewählte Leistung  | Sélectionne la puissance   | Seleccionar la potencia   |
| <b>B</b>     | Seleziona la velocità in uscita   | Select power speed   | Ausgewählte Abtriebsdrehzahl  | Sélectionne la vitesse en sortie   | Seleccionar la velocidad de salida  |
| <b>C</b>     | Seleziona la coppia in base al fattore di servizio fs desiderato  | Select required torque according to service factor   | Ausgewähltes Drehmoment in Bezug zum Betriebsfaktor   | Sélectionne le couple sur la base du facteur de service fs souhaité  | Seleccionar el par de torsión en función del factor de servicio fs deseado  |
| <b>D, D1</b> | Scegli la motorizzazione desiderata (riduttore con cassa in alluminio o in ghisa)   | Select the required motorization (gearbox with cast iron or aluminium housing)   | Wählen Sie die gewünschte Motorisierung (Untersetzungsgetriebe mit Aluminium- oder Gußeisengehäuse)   | Choisissez la motorisation que vous souhaitez (réducteur avec caisse en aluminium ou en fonte)   | Seleccionar la motorización deseada (reductor con carcasa de aluminio o de hierro fundido)  |
| <b>D2</b>    | Sulla riga corrispondente alla motorizzazione prescelta si può rilevare il tipo di motore (es. 63B6 dove 63 è la grandezza motore, 6 è la polarità 6 poli e 4 la polarità 4 poli) | On the same line of selected motorization, you can find relevant motor type (i.e. 63B6 where 63 correspond to motorsize, 6 is the poles number at 6 pole and 4 is the poles number at 4 pole (63A4)) | Auf der gleichen Linie wie der ausgewählte Getriebemotor ist die entsprechende Motorgröße zu finden. (z.B. 63B6 = BG 63, 6-polig oder 63A4= BG 63, 4-polig) | Sur la ligne correspondante à la motorisation pré-choisie on peut relever le type de moteur (ex. 63B6 là où 63 est la grandeur moteur, 6 est la polarité 6 pôles et 4 est la polarité 4 pôles) | En la línea correspondiente al motor preseleccionadose puede encontrar el tipo de motor (ej. 63B6, donde 63 nos indica el tamaño del motor, 6 es la polaridad 6 polos ó 4 la polaridad 4 polos) |
| <b>E</b>     | Scegli la flangia disponibile   | See motor flange available   | Erhältliche Motorflansche   | Choisir la bride disponible  | Seleccionar la brida disponible   |



**P<sub>1M</sub> = 0.09 kW**

**n<sub>1</sub> = 1400 min<sup>-1</sup> (56B4) - 900 min<sup>-1</sup> (63A6)**

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i             | fs  |    |             |             |                           |  |  |    |
|--|------------------------|---------------|-----|----|-------------|-------------|---------------------------|--|--|----|
|  |                        |               |     |    |             |             | B5                        | B14  |  |    |
| 2.8                                    | 285                    | <b>320.70</b> | 1.1 | 30 | <b>F43A</b> | <b>63A6</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 2.8                                    | 282                    | <b>317.36</b> | 1.8 | 35 | <b>F53A</b> | <b>63A6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 3.5                                    | 227                    | <b>256.12</b> | 0.9 | 25 | <b>F33A</b> | <b>63A6</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 3.7                                    | 216                    | <b>242.87</b> | 1.4 | 30 | <b>F43A</b> | <b>63A6</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 4.2                                    | 189                    | <b>331.50</b> | 1.1 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 4.4                                    | 183                    | <b>320.70</b> | 1.7 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 5.5                                    | 146                    | <b>256.12</b> | 1.4 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 5.8                                    | 139                    | <b>242.87</b> | 2.2 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 6.1                                    | 131                    | <b>228.89</b> | 2.6 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 7.3                                    | 110                    | <b>192.36</b> | 1.8 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 7.5                                    | 106                    | <b>186.09</b> | 2.9 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 7.7                                    | 104                    | <b>182.80</b> | 1.9 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 8.1                                    | 99                     | <b>173.18</b> | 2.6 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 9.9                                    | 80                     | <b>140.92</b> | 2.5 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 10.1                                   | 79                     | <b>138.43</b> | 2.5 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 11.9                                   | 67                     | <b>118.06</b> | 3.0 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 13.1                                   | 61                     | <b>107.22</b> | 4.4 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup>                      |  | 21 |
| 13.2                                   | 61                     | <b>106.07</b> | 3.3 | 25 | <b>F33A</b> | <b>56B4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                                      |  | 19 |
| 14.4                                   | 56                     | <b>97.30</b>  | 6.1 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71-80-90               | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> -80 <sup>C</sup> -90 |  | 21 |
| 16.5                                   | 50                     | <b>54.39</b>  | 4.0 | 25 | <b>F32A</b> | <b>63A6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 17.2                                   | 47                     | <b>81.52</b>  | 7.2 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71-80-90               | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> -80 <sup>C</sup> -90 |  | 21 |
| 20.2                                   | 40                     | <b>69.45</b>  | 8.5 | 30 | <b>F43A</b> | <b>56B4</b> | 63-71-80-90               | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> -80 <sup>C</sup> -90 |  | 21 |
| 21.6                                   | 38                     | <b>41.68</b>  | 5.2 | 25 | <b>F32A</b> | <b>63A6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 23.0                                   | 36                     | <b>39.05</b>  | 4.7 | 25 | <b>F32A</b> | <b>63A6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 28.0                                   | 30                     | <b>32.20</b>  | 6.8 | 25 | <b>F32A</b> | <b>63A6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 35.2                                   | 23                     | <b>25.58</b>  | 8.5 | 25 | <b>F32A</b> | <b>63A6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 38.2                                   | 22                     | <b>23.59</b>  | 9.2 | 25 | <b>F32A</b> | <b>63A6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |

**P<sub>1M</sub> = 0.13 kW**

**n<sub>1</sub> = 1400 min<sup>-1</sup> (63A4) - 900 min<sup>-1</sup> (63B6)**

|      |     |               |     |    |             |             |                           |   |  |    |
|------|-----|---------------|-----|----|-------------|-------------|---------------------------|---|--|----|
| 2.8  | 407 | <b>317.36</b> | 1.2 | 35 | <b>F53A</b> | <b>63B6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 23 |
| 3.0  | 386 | <b>300.66</b> | 1.7 | 40 | <b>F63C</b> | <b>63B6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 25 |
| 3.7  | 312 | <b>242.87</b> | 1.0 | 30 | <b>F43A</b> | <b>63B6</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 3.7  | 308 | <b>240.34</b> | 1.6 | 35 | <b>F53A</b> | <b>63B6</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 23 |
| 3.9  | 294 | <b>228.89</b> | 1.1 | 30 | <b>F43A</b> | <b>63B6</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 4.4  | 264 | <b>320.70</b> | 1.2 | 30 | <b>F43A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 4.4  | 262 | <b>317.36</b> | 1.9 | 35 | <b>F53A</b> | <b>63A4</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 23 |
| 4.7  | 248 | <b>300.66</b> | 2.6 | 40 | <b>F63C</b> | <b>63A4</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 25 |
| 5.1  | 224 | <b>271.85</b> | 2.3 | 35 | <b>F53A</b> | <b>63A4</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 23 |
| 5.5  | 211 | <b>256.12</b> | 0.9 | 25 | <b>F33A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                 |  | 19 |
| 5.8  | 200 | <b>242.87</b> | 1.5 | 30 | <b>F43A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 5.8  | 198 | <b>240.34</b> | 2.5 | 35 | <b>F53A</b> | <b>63A4</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 23 |
| 6.1  | 189 | <b>228.89</b> | 1.8 | 30 | <b>F43A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 6.8  | 170 | <b>205.87</b> | 3.0 | 35 | <b>F53A</b> | <b>63A4</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 23 |
| 7.3  | 159 | <b>192.36</b> | 1.3 | 25 | <b>F33A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                 |  | 19 |
| 7.5  | 153 | <b>186.09</b> | 2.0 | 30 | <b>F43A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 7.7  | 151 | <b>182.80</b> | 1.3 | 25 | <b>F33A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                 |  | 19 |
| 8.1  | 143 | <b>173.18</b> | 1.8 | 30 | <b>F43A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 9.9  | 116 | <b>140.92</b> | 1.7 | 25 | <b>F33A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                 |  | 19 |
| 10.1 | 114 | <b>138.43</b> | 1.8 | 25 | <b>F33A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                 |  | 19 |
| 10.3 | 112 | <b>136.33</b> | 2.8 | 30 | <b>F43A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71 <sup>B(C)</sup> |  | 21 |
| 11.9 | 97  | <b>118.06</b> | 2.1 | 25 | <b>F33A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                 |  | 19 |
| 12.8 | 93  | <b>109.66</b> | 1.8 | 25 | <b>F32A</b> | <b>63A4</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 19 |
| 13.2 | 87  | <b>106.07</b> | 2.3 | 25 | <b>F33A</b> | <b>63A4</b> | 63-71                     | 56 <sup>B(C)</sup> -63 <sup>C</sup> -71                 |  | 19 |
| 16.9 | 71  | <b>83.04</b>  | 2.4 | 25 | <b>F32A</b> | <b>63A4</b> | 63 <sup>B</sup> -71-80-90 | 71 <sup>C</sup> -80 <sup>C</sup> -90                    |  | 19 |

B

Montaggio con boccia di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





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**P<sub>1M</sub> = 0.13 kW**

**n<sub>1</sub> = 1400 min<sup>-1</sup> (63A4) - 900 min<sup>-1</sup> (63B6)**

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i            | fs  |    |             |             |   |   |  |    |
|--|------------------------|--------------|-----|----|-------------|-------------|---|---|--|----|
|  |                        |              |     |    |             |             | B5  | B14   |  |    |
| 20.1                                   | 59                     | <b>69.49</b> | 3.0 | 30 | <b>F42A</b> | <b>63A4</b> | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> (C)-80 <sup>C)</sup> -90-100/112 |  | 21 |
| 21.6                                   | 55                     | <b>41.68</b> | 3.6 | 25 | <b>F32A</b> | <b>63B6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 23.0                                   | 52                     | <b>39.05</b> | 3.3 | 25 | <b>F32A</b> | <b>63B6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 25.7                                   | 46                     | <b>54.39</b> | 4.3 | 25 | <b>F32A</b> | <b>63A4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 28.0                                   | 43                     | <b>32.20</b> | 4.7 | 25 | <b>F32A</b> | <b>63B6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 33.6                                   | 35                     | <b>41.68</b> | 5.6 | 25 | <b>F32A</b> | <b>63A4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 35.8                                   | 33                     | <b>39.05</b> | 5.1 | 25 | <b>F32A</b> | <b>63A4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 38.2                                   | 31                     | <b>23.59</b> | 6.4 | 25 | <b>F32A</b> | <b>63B6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 43.5                                   | 27                     | <b>32.20</b> | 7.3 | 25 | <b>F32A</b> | <b>63A4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |
| 55                                     | 22                     | <b>25.58</b> | 9.2 | 25 | <b>F32A</b> | <b>63A4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90            |  | 19 |

**P<sub>1M</sub> = 0.18 kW**

**n<sub>1</sub> = 1400 min<sup>-1</sup> (63B4)- 900 min<sup>-1</sup> (71A6)**

|      |     |               |     |    |             |             |   |  |  |    |
|------|-----|---------------|-----|----|-------------|-------------|---|--|--|----|
| 2.8  | 564 | <b>317.36</b> | 0.9 | 35 | <b>F53A</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 3.0  | 534 | <b>300.66</b> | 1.2 | 40 | <b>F63C</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 3.3  | 483 | <b>271.85</b> | 1.1 | 35 | <b>F53A</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 3.5  | 457 | <b>257.23</b> | 1.4 | 40 | <b>F63C</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 3.7  | 427 | <b>240.34</b> | 1.2 | 35 | <b>F53A</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 3.9  | 407 | <b>228.89</b> | 0.8 | 30 | <b>F43A</b> | <b>71A6</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 4.4  | 366 | <b>320.70</b> | 0.8 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 4.4  | 362 | <b>317.36</b> | 1.4 | 35 | <b>F53A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 4.7  | 343 | <b>300.66</b> | 1.9 | 40 | <b>F63C</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 5.1  | 310 | <b>271.85</b> | 1.6 | 35 | <b>F53A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 5.4  | 294 | <b>257.23</b> | 2.2 | 40 | <b>F63C</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 5.8  | 277 | <b>242.87</b> | 1.1 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 5.8  | 274 | <b>240.34</b> | 1.8 | 35 | <b>F53A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 6.1  | 261 | <b>228.89</b> | 1.3 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 6.1  | 260 | <b>227.69</b> | 2.5 | 40 | <b>F63C</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 6.8  | 235 | <b>205.87</b> | 2.2 | 35 | <b>F53A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 7.3  | 220 | <b>192.36</b> | 0.9 | 25 | <b>F33A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71  |  | 19 |
| 7.5  | 212 | <b>186.09</b> | 1.5 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 7.6  | 210 | <b>184.15</b> | 2.4 | 35 | <b>F53A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 7.7  | 209 | <b>182.80</b> | 1.0 | 25 | <b>F33A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71  |  | 19 |
| 7.8  | 204 | <b>179.06</b> | 2.6 | 35 | <b>F53A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 8.1  | 198 | <b>173.18</b> | 1.3 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 8.3  | 193 | <b>169.22</b> | 3.0 | 40 | <b>F63C</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 8.9  | 180 | <b>157.74</b> | 2.8 | 35 | <b>F53A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 9.9  | 161 | <b>140.92</b> | 1.2 | 25 | <b>F33A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71  |  | 19 |
| 10.1 | 158 | <b>138.43</b> | 1.3 | 25 | <b>F33A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71  |  | 19 |
| 10.3 | 156 | <b>136.33</b> | 2.0 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 11.9 | 135 | <b>118.06</b> | 1.5 | 25 | <b>F33A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71  |  | 19 |
| 12.3 | 130 | <b>114.21</b> | 2.4 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 12.8 | 129 | <b>109.66</b> | 1.3 | 25 | <b>F32A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 13.1 | 122 | <b>107.22</b> | 2.2 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)                      |  | 21 |
| 13.2 | 121 | <b>106.07</b> | 1.7 | 25 | <b>F33A</b> | <b>63B4</b> | 63-71                                     | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71  |  | 19 |
| 14.4 | 111 | <b>97.30</b>  | 3.0 | 30 | <b>F43A</b> | <b>63B4</b> | 63-71-80-90                               | 56 <sup>B)</sup> (C)-63 <sup>C)</sup> -71 <sup>B)</sup> (C)-80 <sup>C)</sup> -90 |  | 21 |
| 16.9 | 98  | <b>83.04</b>  | 1.7 | 25 | <b>F32A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 20.1 | 82  | <b>69.49</b>  | 2.2 | 30 | <b>F42A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> (C)-80 <sup>C)</sup> -90-100/112                                |  | 21 |
| 21.2 | 78  | <b>42.48</b>  | 2.6 | 30 | <b>F42A</b> | <b>71A6</b> | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> (C)-80 <sup>C)</sup> -90-100/112                                |  | 21 |
| 21.6 | 76  | <b>41.68</b>  | 2.6 | 25 | <b>F32A</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 23.0 | 72  | <b>39.05</b>  | 2.4 | 25 | <b>F32A</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 25.7 | 64  | <b>54.39</b>  | 3.1 | 25 | <b>F32A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 28.0 | 59  | <b>32.20</b>  | 3.4 | 25 | <b>F32A</b> | <b>71A6</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 33.6 | 49  | <b>41.68</b>  | 4.1 | 25 | <b>F32A</b> | <b>63B4</b> | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





**P<sub>1M</sub> = 0.18 kW**

**n<sub>1</sub> = 1400 min<sup>-1</sup> (63B4)**

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i     | fs  |    |      |      |                            |  |  |    |
|--|------------------------|-------|-----|----|------|------|----------------------------|--|--|----|
|  |                        |       |     |    |      |      | B5                         | B14                                    |  |    |
| 35.8                                   | 46                     | 39.05 | 3.7 | 25 | F32A | 63B4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |
| 43.5                                   | 38                     | 32.20 | 5.3 | 25 | F32A | 63B4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |
| 55                                     | 30                     | 25.58 | 6.6 | 25 | F32A | 63B4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |
| 59                                     | 28                     | 23.59 | 7.2 | 25 | F32A | 63B4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |
| 71                                     | 23                     | 19.76 | 8.6 | 25 | F32A | 63B4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |

**P<sub>1M</sub> = 0.25 kW**

**n<sub>1</sub> = 1400 min<sup>-1</sup> (71A4) - 900 min<sup>-1</sup> (71B6)**

|      |     |        |     |    |      |      |   |  |  |    |
|------|-----|--------|-----|----|------|------|---|--|--|----|
| 3.0  | 742 | 300.66 | 0.9 | 40 | F63C | 71B6 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 3.7  | 593 | 240.34 | 0.8 | 35 | F53A | 71B6 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 4.4  | 503 | 317.36 | 0.9 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 4.7  | 477 | 300.66 | 1.2 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 5.1  | 431 | 271.85 | 1.1 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 5.4  | 408 | 257.23 | 1.4 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 5.8  | 381 | 240.34 | 1.2 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 6.1  | 363 | 228.89 | 0.8 | 30 | F43A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup>                       |  | 21 |
| 6.1  | 361 | 227.69 | 1.6 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 6.8  | 327 | 205.87 | 1.4 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 7.2  | 309 | 194.80 | 1.9 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 7.5  | 295 | 186.09 | 0.9 | 30 | F43A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup>                       |  | 21 |
| 7.6  | 292 | 184.15 | 1.5 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 7.8  | 284 | 179.06 | 1.7 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 8.0  | 277 | 174.46 | 2.1 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 8.1  | 275 | 173.18 | 0.8 | 30 | F43A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup>                       |  | 21 |
| 8.3  | 268 | 169.22 | 1.9 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 8.9  | 250 | 157.74 | 1.8 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 9.4  | 237 | 149.26 | 2.5 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 9.9  | 223 | 140.92 | 0.8 | 25 | F33A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71                                     |  | 19 |
| 10.1 | 220 | 138.43 | 0.8 | 25 | F33A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71                                     |  | 19 |
| 10.2 | 218 | 137.20 | 2.2 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 10.3 | 216 | 136.33 | 1.3 | 30 | F43A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup>                       |  | 21 |
| 10.8 | 206 | 129.66 | 2.5 | 40 | F63C | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 25 |
| 11.9 | 187 | 118.06 | 1.0 | 25 | F33A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71                                     |  | 19 |
| 12.1 | 183 | 115.56 | 2.5 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 12.3 | 181 | 114.21 | 1.5 | 30 | F43A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup>                       |  | 21 |
| 12.8 | 180 | 109.66 | 0.9 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 13.1 | 170 | 107.22 | 1.4 | 30 | F43A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup>                       |  | 21 |
| 13.2 | 168 | 106.07 | 1.1 | 25 | F33A | 71A4 | 63-71                                     | 56 <sup>B)</sup> -63 <sup>C)</sup> -71                                     |  | 19 |
| 14.4 | 154 | 97.30  | 2.0 | 30 | F43A | 71A4 | 63-71-80-90                               | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup> -80 <sup>C)</sup> -90 |  | 21 |
| 14.5 | 154 | 96.82  | 3.0 | 35 | F53A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 23 |
| 16.9 | 136 | 83.04  | 1.1 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 17.2 | 129 | 81.52  | 2.3 | 30 | F43A | 71A4 | 63-71-80-90                               | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup> -80 <sup>C)</sup> -90 |  | 21 |
| 20.1 | 114 | 69.49  | 1.4 | 30 | F42A | 71A4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> -80 <sup>C)</sup> -90-100/112                             |  | 21 |
| 20.2 | 110 | 69.45  | 2.8 | 30 | F43A | 71A4 | 63-71-80-90                               | 56 <sup>B)</sup> -63 <sup>C)</sup> -71 <sup>B)</sup> -80 <sup>C)</sup> -90 |  | 21 |
| 21.3 | 104 | 65.81  | 2.3 | 30 | F43A | 71A4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> -80 <sup>C)</sup> -90                                     |  | 21 |
| 25.7 | 89  | 54.39  | 2.0 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 26.6 | 86  | 52.62  | 2.6 | 30 | F42A | 71A4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> -80 <sup>C)</sup> -90-100/112                             |  | 21 |
| 33.0 | 70  | 42.48  | 2.6 | 30 | F42A | 71A4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> -80 <sup>C)</sup> -90-100/112                             |  | 21 |
| 33.6 | 68  | 41.68  | 2.6 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 35.8 | 64  | 39.05  | 2.4 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 43.5 | 53  | 32.20  | 3.4 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 55   | 42  | 25.58  | 4.3 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 59   | 39  | 23.59  | 4.7 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |
| 71   | 32  | 19.76  | 5.6 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90                                     |  | 19 |

B

Montaggio con boccia di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





SELEZIONE MOTORIDUTTORI / GEARMOTORS SELECTION / WAHL DES GETRIEBEMOTORS  
SELECTION DES MOTO-REDUCTEURS / SELECCIÓN MOTO-REDUCTORES

**P<sub>1M</sub> = 0.25 kW**

n<sub>1</sub> = 1400 min<sup>-1</sup> (71A4) - 900 min<sup>-1</sup> (71B6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i     | fs  |    |      |      |                            |  |  |    |
|--|------------------------|-------|-----|----|------|------|----------------------------|--|--|----|
|  |                        |       |     |    |      |      | B5                         | B14                                    |  |    |
| 83                                     | 28                     | 16.84 | 6.5 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |
| 96                                     | 24                     | 14.53 | 7.6 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |
| 112                                    | 20                     | 8.03  | 8.3 | 25 | F32A | 71B6 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |
| 135                                    | 17                     | 10.40 | 9.8 | 25 | F32A | 71A4 | 63 <sup>B)</sup> -71-80-90 | 71 <sup>C)</sup> -80 <sup>C)</sup> -90 |  | 19 |

**P<sub>1M</sub> = 0.37 kW** n<sub>1</sub> = 2800 min<sup>-1</sup>(71A2) - 1400 min<sup>-1</sup>(71B4) - 900 min<sup>-1</sup>(80A6)

|      |     |        |     |    |      |      |   |  |  |    |
|------|-----|--------|-----|----|------|------|---|--|--|----|
| 4.7  | 706 | 300.66 | 0.9 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 5.1  | 638 | 271.85 | 0.8 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 5.4  | 604 | 257.23 | 1.1 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 5.8  | 564 | 240.34 | 0.9 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 6.1  | 534 | 227.69 | 1.2 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 6.8  | 483 | 205.87 | 1.1 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 7.2  | 457 | 194.80 | 1.4 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 7.6  | 432 | 184.15 | 1.2 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 7.8  | 420 | 179.06 | 1.3 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 8.0  | 410 | 174.46 | 1.6 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 8.3  | 397 | 169.22 | 1.5 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 8.9  | 370 | 157.74 | 1.4 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 9.4  | 350 | 149.26 | 1.9 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 10.2 | 322 | 137.20 | 1.6 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 10.3 | 320 | 136.33 | 1.0 | 30 | F43A | 71B4 | 63-71                                     | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)                      |  | 21 |
| 10.8 | 304 | 129.66 | 1.9 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 12.1 | 271 | 115.56 | 1.9 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 12.3 | 268 | 114.21 | 1.2 | 30 | F43A | 71B4 | 63-71                                     | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)                      |  | 21 |
| 12.8 | 257 | 109.35 | 2.5 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 13.1 | 252 | 107.22 | 1.1 | 30 | F43A | 71B4 | 63-71                                     | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)                      |  | 21 |
| 13.2 | 249 | 106.07 | 0.8 | 25 | F33A | 71B4 | 63-71                                     | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71                                       |  | 19 |
| 14.4 | 228 | 97.30  | 1.5 | 30 | F43A | 71B4 | 63-71-80-90                               | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)-80 <sup>C)</sup> -90 |  | 21 |
| 14.5 | 227 | 96.82  | 2.2 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 15.3 | 215 | 91.61  | 3.0 | 40 | F63C | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 16.9 | 201 | 83.04  | 0.8 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 17.0 | 194 | 82.48  | 2.6 | 35 | F53A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 17.2 | 191 | 81.52  | 1.8 | 30 | F43A | 71B4 | 63-71-80-90                               | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)-80 <sup>C)</sup> -90 |  | 21 |
| 19.5 | 174 | 71.82  | 1.1 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 19.6 | 173 | 71.25  | 2.9 | 35 | F52A | 71B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 23 |
| 20.1 | 168 | 69.49  | 1.1 | 30 | F42A | 71B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 20.2 | 163 | 69.45  | 2.1 | 30 | F43A | 71B4 | 63-71-80-90                               | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)-80 <sup>C)</sup> -90 |  | 21 |
| 21.3 | 154 | 65.81  | 1.8 | 30 | F43A | 71B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 23.4 | 141 | 59.92  | 2.4 | 30 | F43A | 71B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 25.7 | 132 | 54.39  | 1.5 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 26.6 | 128 | 52.62  | 1.9 | 30 | F42A | 71B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 28.9 | 114 | 48.37  | 2.4 | 30 | F43A | 71B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 33.0 | 103 | 42.48  | 1.9 | 30 | F42A | 71B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 33.6 | 101 | 41.68  | 2.0 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 35.8 | 95  | 39.05  | 1.8 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 37.4 | 88  | 37.47  | 2.8 | 30 | F43A | 71B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 43.5 | 78  | 32.20  | 2.6 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 55   | 62  | 25.58  | 3.2 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 59   | 57  | 23.59  | 3.5 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 71   | 48  | 19.76  | 4.2 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 83   | 41  | 16.84  | 4.9 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 96   | 35  | 14.53  | 5.7 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 112  | 30  | 8.03   | 5.6 | 25 | F32A | 80A6 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 135  | 25  | 10.40  | 7.3 | 25 | F32A | 71B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 142  | 24  | 19.76  | 7.5 | 25 | F32A | 71A2 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 166  | 20  | 16.84  | 8.8 | 25 | F32A | 71A2 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |





**P<sub>1M</sub> = 0.55 kW** n<sub>1</sub> = 2800 min<sup>-1</sup>(71A2) - 1400 min<sup>-1</sup>(80A4) - 900 min<sup>-1</sup>(80B6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i      | fs  |    |      |      |   |  |  |    |
|--|------------------------|--------|-----|----|------|------|---|--|--|----|
|  |                        |        |     |    |      |      | B5                                      | B14  |  |    |
| 6.1                                    | 794                    | 227.69 | 0.8 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 7.2                                    | 680                    | 194.80 | 1.0 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 7.8                                    | 625                    | 179.06 | 0.8 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 8.0                                    | 609                    | 174.46 | 1.1 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 8.3                                    | 590                    | 169.22 | 1.0 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 8.9                                    | 550                    | 157.74 | 0.9 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 9.4                                    | 521                    | 149.26 | 1.3 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 10.2                                   | 479                    | 137.20 | 1.1 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 10.8                                   | 452                    | 129.66 | 1.3 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 12.1                                   | 403                    | 115.56 | 1.3 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 12.8                                   | 382                    | 109.35 | 1.7 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 14.4                                   | 339                    | 97.30  | 1.0 | 30 | F43A | 80A4 | 63-71-80-90                             | 56 <sup>B</sup> <sup>C</sup> -63 <sup>C</sup> -71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90 |  | 21 |
| 14.5                                   | 338                    | 96.82  | 1.5 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 15.3                                   | 320                    | 91.61  | 2.0 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 17.0                                   | 288                    | 82.48  | 1.8 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 17.2                                   | 284                    | 81.52  | 1.2 | 30 | F43A | 80A4 | 63-71-80-90                             | 56 <sup>B</sup> <sup>C</sup> -63 <sup>C</sup> -71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90 |  | 21 |
| 17.9                                   | 272                    | 78.05  | 2.4 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 19.6                                   | 257                    | 71.25  | 1.9 | 35 | F52A | 80A4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112  |  | 23 |
| 19.7                                   | 248                    | 71.16  | 2.1 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 20.2                                   | 242                    | 69.45  | 1.4 | 30 | F43A | 80A4 | 63-71-80-90                             | 56 <sup>B</sup> <sup>C</sup> -63 <sup>C</sup> -71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90 |  | 21 |
| 20.7                                   | 243                    | 67.50  | 2.1 | 40 | F62C | 80A4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112  |  | 25 |
| 20.8                                   | 235                    | 67.34  | 2.8 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 21.3                                   | 230                    | 65.81  | 1.2 | 30 | F43A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90  |  | 21 |
| 22.6                                   | 216                    | 61.89  | 2.5 | 35 | F53A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 23 |
| 22.9                                   | 220                    | 61.03  | 2.1 | 35 | F52A | 80A4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112  |  | 23 |
| 23.9                                   | 204                    | 58.49  | 2.8 | 40 | F63C | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 25 |
| 24.2                                   | 208                    | 57.75  | 2.1 | 40 | F62C | 80A4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112  |  | 25 |
| 25.7                                   | 196                    | 54.39  | 1.0 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 26.6                                   | 190                    | 52.62  | 1.3 | 30 | F42A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90-100/112  |  | 21 |
| 27.1                                   | 186                    | 51.74  | 2.7 | 35 | F52A | 80A4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112  |  | 23 |
| 28.9                                   | 169                    | 48.37  | 1.6 | 30 | F43A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90  |  | 21 |
| 33.0                                   | 153                    | 42.48  | 1.3 | 30 | F42A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90-100/112  |  | 21 |
| 33.6                                   | 150                    | 41.68  | 1.3 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 34.7                                   | 145                    | 40.32  | 2.1 | 30 | F42A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90-100/112  |  | 21 |
| 35.8                                   | 141                    | 39.05  | 1.2 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 37.4                                   | 131                    | 37.47  | 1.9 | 30 | F43A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90  |  | 21 |
| 43.0                                   | 117                    | 32.55  | 2.1 | 30 | F42A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90-100/112  |  | 21 |
| 43.5                                   | 116                    | 32.20  | 1.7 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 47.4                                   | 106                    | 29.54  | 2.9 | 30 | F42A | 80A4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> <sup>C</sup> -80 <sup>C</sup> -90-100/112  |  | 21 |
| 55                                     | 92                     | 25.58  | 2.2 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 59                                     | 85                     | 23.59  | 2.4 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 71                                     | 71                     | 19.76  | 2.8 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 83                                     | 61                     | 16.84  | 3.3 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 96                                     | 52                     | 14.53  | 3.8 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 112                                    | 45                     | 8.03   | 3.8 | 25 | F32A | 80B6 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 135                                    | 37                     | 10.40  | 4.9 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 142                                    | 36                     | 19.76  | 5.1 | 25 | F32A | 71A2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 174                                    | 29                     | 8.03   | 5.9 | 25 | F32A | 80A4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 193                                    | 26                     | 14.53  | 6.9 | 25 | F32A | 71A2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |
| 269                                    | 19                     | 10.40  | 8.9 | 25 | F32A | 71A2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90   |  | 19 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





SELEZIONE MOTORIDUTTORI / GEARMOTORS SELECTION / WAHL DES GETRIEBEMOTORS  
SELECTION DES MOTO-REDUCTEURS / SELECCIÓN MOTO-REDUCTORES

**P<sub>1M</sub> = 0.75 kW** n<sub>1</sub> = 2800 min<sup>-1</sup>(80A2) - 1400 min<sup>-1</sup>(80B4) - 900 min<sup>-1</sup>(90S6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i      | fs  |    |      |      |   |  |  |    |
|--|------------------------|--------|-----|----|------|------|---|--|--|----|
|  |                        |        |     |    |      |      | B5  | B14  |  |    |
| 9.4                                    | 710                    | 149.26 | 0.9 | 40 | F63C | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 10.2                                   | 653                    | 137.20 | 0.8 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 10.8                                   | 617                    | 129.66 | 0.9 | 40 | F63C | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 12.1                                   | 550                    | 115.56 | 0.9 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 12.8                                   | 520                    | 109.35 | 1.3 | 40 | F63C | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 14.5                                   | 461                    | 96.82  | 1.1 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 15.3                                   | 436                    | 91.61  | 1.5 | 40 | F63C | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 17.0                                   | 392                    | 82.48  | 1.3 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 17.2                                   | 388                    | 81.52  | 0.9 | 30 | F43A | 80B4 | 63-71-80-90                               | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)-80 <sup>C)</sup> -90 |  | 21 |
| 17.9                                   | 371                    | 78.05  | 1.8 | 40 | F63C | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 19.6                                   | 350                    | 71.25  | 1.4 | 35 | F52A | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 23 |
| 19.7                                   | 339                    | 71.16  | 1.5 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 20.2                                   | 330                    | 69.45  | 1.0 | 30 | F43A | 80B4 | 63-71-80-90                               | 56 <sup>B)</sup> C)-63 <sup>C)</sup> -71 <sup>B)</sup> C)-80 <sup>C)</sup> -90 |  | 21 |
| 20.7                                   | 332                    | 67.50  | 1.5 | 40 | F62C | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 25 |
| 20.8                                   | 320                    | 67.34  | 2.0 | 40 | F63C | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 21.3                                   | 313                    | 65.81  | 0.9 | 30 | F43A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 22.6                                   | 294                    | 61.89  | 1.8 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 23 |
| 22.9                                   | 300                    | 61.03  | 1.5 | 35 | F52A | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 23 |
| 23.4                                   | 285                    | 59.92  | 1.2 | 30 | F43A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 23.9                                   | 278                    | 58.49  | 2.1 | 40 | F63C | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 25 |
| 24.2                                   | 284                    | 57.75  | 1.5 | 40 | F62C | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 25 |
| 26.6                                   | 258                    | 52.62  | 1.0 | 30 | F42A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 27.1                                   | 254                    | 51.74  | 1.9 | 35 | F52A | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 23 |
| 28.6                                   | 241                    | 49.02  | 2.6 | 40 | F62C | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 25 |
| 28.9                                   | 230                    | 48.37  | 1.2 | 30 | F43A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 30.5                                   | 219                    | 45.93  | 2.3 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90-100/112                                 |  | 23 |
| 31.6                                   | 218                    | 44.32  | 2.3 | 35 | F52A | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 23 |
| 33.0                                   | 209                    | 42.48  | 1.0 | 30 | F42A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 33.4                                   | 206                    | 41.94  | 3.0 | 40 | F62C | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 25 |
| 33.6                                   | 205                    | 41.68  | 1.0 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 34.7                                   | 198                    | 40.32  | 1.5 | 30 | F42A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 35.6                                   | 187                    | 39.30  | 2.7 | 35 | F53A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90-100/112                                 |  | 23 |
| 35.8                                   | 192                    | 39.05  | 0.9 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 36.3                                   | 189                    | 38.55  | 2.4 | 35 | F52A | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 23 |
| 37.4                                   | 178                    | 37.47  | 1.4 | 30 | F43A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90                                       |  | 21 |
| 38.4                                   | 179                    | 36.43  | 2.8 | 40 | F62C | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 25 |
| 39.1                                   | 176                    | 35.78  | 2.8 | 35 | F52A | 80B4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112  |  | 23 |
| 43.0                                   | 160                    | 32.55  | 1.5 | 30 | F42A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 43.5                                   | 158                    | 32.20  | 1.3 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 47.4                                   | 145                    | 29.54  | 2.1 | 30 | F42A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 55                                     | 126                    | 25.58  | 1.6 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 57                                     | 122                    | 24.75  | 2.4 | 30 | F42A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 59                                     | 116                    | 23.59  | 1.7 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 71                                     | 97                     | 19.76  | 2.1 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 77                                     | 89                     | 18.19  | 2.9 | 30 | F42A | 80B4 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> C)-80 <sup>C)</sup> -90-100/112                               |  | 21 |
| 83                                     | 83                     | 16.84  | 2.4 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 96                                     | 71                     | 14.53  | 2.8 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 112                                    | 61                     | 8.03   | 2.8 | 25 | F32A | 90S6 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 135                                    | 51                     | 10.40  | 3.6 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 166                                    | 41                     | 16.84  | 4.4 | 25 | F32A | 80A2 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 174                                    | 39                     | 8.03   | 4.3 | 25 | F32A | 80B4 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 193                                    | 36                     | 14.53  | 5.0 | 25 | F32A | 80A2 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 269                                    | 26                     | 10.40  | 6.5 | 25 | F32A | 80A2 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |
| 349                                    | 20                     | 8.03   | 7.8 | 25 | F32A | 80A2 | 63 <sup>B)</sup> -71-80-90                | 71 <sup>C)</sup> -80 <sup>C)</sup> -90   |  | 19 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





**P<sub>1M</sub> = 1.1 kW**    n<sub>1</sub> = 2800 min<sup>-1</sup>(80B2) - 1400 min<sup>-1</sup>(90S4) - 900 min<sup>-1</sup>(90L6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i      | fs  |    |      |      |   |  |  |    |
|--|------------------------|--------|-----|----|------|------|---|--|--|----|
|  |                        |        |     |    |      |      | B5                                      | B14  |  |    |
| 12.8                                   | 763                    | 109.35 | 0.9 | 40 | F63C | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 15.3                                   | 639                    | 91.61  | 1.0 | 40 | F63C | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 17.0                                   | 576                    | 82.48  | 0.9 | 35 | F53A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 23 |
| 17.9                                   | 545                    | 78.05  | 1.2 | 40 | F63C | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 19.6                                   | 513                    | 71.25  | 1.0 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 19.7                                   | 497                    | 71.16  | 1.0 | 35 | F53A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 23 |
| 20.7                                   | 486                    | 67.50  | 1.0 | 40 | F62C | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 20.8                                   | 470                    | 67.34  | 1.4 | 40 | F63C | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 22.6                                   | 432                    | 61.89  | 1.2 | 35 | F53A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 23 |
| 22.9                                   | 440                    | 61.03  | 1.0 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 23.4                                   | 418                    | 59.92  | 0.8 | 30 | F43A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90         |  | 21 |
| 23.9                                   | 408                    | 58.49  | 1.4 | 40 | F63C | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 24.2                                   | 416                    | 57.75  | 1.0 | 40 | F62C | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 27.1                                   | 373                    | 51.74  | 1.3 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 28.6                                   | 353                    | 49.02  | 1.7 | 40 | F62C | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 28.9                                   | 338                    | 48.37  | 0.8 | 30 | F43A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90         |  | 21 |
| 30.5                                   | 321                    | 45.93  | 1.6 | 35 | F53A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 23 |
| 31.6                                   | 319                    | 44.32  | 1.6 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 32.2                                   | 304                    | 43.52  | 2.1 | 40 | F63C | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 25 |
| 34.7                                   | 290                    | 40.32  | 1.0 | 30 | F42A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 35.6                                   | 274                    | 39.30  | 1.9 | 35 | F53A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 23 |
| 36.3                                   | 278                    | 38.55  | 1.6 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 37.4                                   | 261                    | 37.47  | 1.0 | 30 | F43A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90         |  | 21 |
| 37.6                                   | 260                    | 37.23  | 2.5 | 40 | F63C | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 25 |
| 38.4                                   | 262                    | 36.43  | 1.9 | 40 | F62C | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 39.1                                   | 258                    | 35.78  | 1.9 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 41.3                                   | 244                    | 33.90  | 2.5 | 40 | F62C | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 42.3                                   | 231                    | 33.13  | 1.5 | 30 | F43A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90         |  | 21 |
| 43.0                                   | 234                    | 32.55  | 1.0 | 30 | F42A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 43.5                                   | 232                    | 32.20  | 0.9 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 45.7                                   | 221                    | 30.65  | 2.3 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 47.4                                   | 213                    | 29.54  | 1.5 | 30 | F42A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 47.9                                   | 211                    | 29.23  | 2.4 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 48.3                                   | 209                    | 29.00  | 2.8 | 40 | F62C | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 55                                     | 184                    | 25.58  | 1.1 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 56                                     | 180                    | 25.04  | 2.8 | 35 | F52A | 90S4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 57                                     | 178                    | 24.75  | 1.7 | 30 | F42A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 59                                     | 170                    | 23.59  | 1.2 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 66                                     | 152                    | 21.08  | 2.1 | 30 | F42A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 71                                     | 142                    | 19.76  | 1.4 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 77                                     | 131                    | 18.19  | 2.0 | 30 | F42A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 83                                     | 121                    | 16.84  | 1.6 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 96                                     | 105                    | 14.53  | 1.9 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 112                                    | 90                     | 8.03   | 1.9 | 25 | F32A | 90L6 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 135                                    | 75                     | 10.40  | 2.5 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 139                                    | 72                     | 10.06  | 2.8 | 30 | F42A | 90S4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 174                                    | 58                     | 8.03   | 2.9 | 25 | F32A | 90S4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 193                                    | 52                     | 14.53  | 3.4 | 25 | F32A | 80B2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 269                                    | 37                     | 10.40  | 4.4 | 25 | F32A | 80B2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 349                                    | 29                     | 8.03   | 5.3 | 25 | F32A | 80B2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |

B

Montaggio con boccia di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position







SELEZIONE MOTORIDUTTORI / GEARMOTORS SELECTION / WAHL DES GETRIEBEMOTORS  
SELECTION DES MOTO-REDUCTEURS / SELECCIÓN MOTO-REDUCTORES

**P<sub>1M</sub> = 1.5 kW** n<sub>1</sub>= 2800 min<sup>-1</sup>(90S2) - 1400 min<sup>-1</sup>(90LA4) - 900 min<sup>-1</sup>(100A6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i     | fs  |    |      |       |   |  |  |    |
|--|------------------------|-------|-----|----|------|-------|---|--|--|----|
|  |                        |       |     |    |      |       | B5                                      | B14  |  |    |
| 17.9                                   | 743                    | 78.05 | 0.9 | 40 | F63C | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 20.8                                   | 641                    | 67.34 | 1.0 | 40 | F63C | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 22.6                                   | 589                    | 61.89 | 0.9 | 35 | F53A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 23 |
| 23.9                                   | 557                    | 58.49 | 1.0 | 40 | F63C | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 27.1                                   | 508                    | 51.74 | 1.0 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 28.6                                   | 481                    | 49.02 | 1.3 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 30.5                                   | 437                    | 45.93 | 1.1 | 35 | F53A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 23 |
| 31.6                                   | 435                    | 44.32 | 1.1 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 32.2                                   | 414                    | 43.52 | 1.6 | 40 | F63C | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 25 |
| 33.4                                   | 412                    | 41.94 | 1.5 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 35.6                                   | 374                    | 39.30 | 1.4 | 35 | F53A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 23 |
| 36.3                                   | 379                    | 38.55 | 1.2 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 37.6                                   | 354                    | 37.23 | 1.8 | 40 | F63C | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 25 |
| 38.4                                   | 358                    | 36.43 | 1.4 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 39.1                                   | 351                    | 35.78 | 1.4 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 41.3                                   | 333                    | 33.90 | 1.9 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 42.3                                   | 315                    | 33.13 | 1.1 | 30 | F43A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90         |  | 21 |
| 45.7                                   | 301                    | 30.65 | 1.7 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 47.4                                   | 290                    | 29.54 | 1.1 | 30 | F42A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 47.9                                   | 287                    | 29.23 | 1.7 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 48.3                                   | 285                    | 29.00 | 2.0 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 51                                     | 272                    | 27.69 | 2.3 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 55                                     | 251                    | 25.58 | 0.8 | 25 | F32A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 56                                     | 246                    | 25.04 | 2.0 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 57                                     | 243                    | 24.75 | 1.2 | 30 | F42A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 59                                     | 233                    | 23.69 | 2.7 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 59                                     | 232                    | 23.59 | 0.9 | 25 | F32A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 62                                     | 221                    | 22.48 | 2.2 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 64                                     | 214                    | 21.78 | 2.4 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 66                                     | 209                    | 21.29 | 3.0 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 66                                     | 207                    | 21.08 | 1.5 | 30 | F42A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 68                                     | 202                    | 20.58 | 2.8 | 40 | F62C | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 71                                     | 194                    | 19.76 | 1.0 | 25 | F32A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 73                                     | 189                    | 19.25 | 2.6 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 77                                     | 179                    | 18.19 | 1.5 | 30 | F42A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 82                                     | 167                    | 17.02 | 1.5 | 30 | F42A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 83                                     | 165                    | 16.84 | 1.2 | 25 | F32A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 84                                     | 163                    | 16.63 | 3.0 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 96                                     | 143                    | 14.53 | 1.4 | 25 | F32A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 98                                     | 140                    | 14.24 | 3.0 | 35 | F52A | 90LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 109                                    | 126                    | 25.58 | 1.4 | 25 | F32A | 90S2  | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 111                                    | 124                    | 8.12  | 1.5 | 30 | F42A | 100A6 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 119                                    | 116                    | 23.59 | 1.6 | 25 | F32A | 90S2  | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 119                                    | 115                    | 7.56  | 2.6 | 35 | F52A | 100A6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 135                                    | 102                    | 10.40 | 1.8 | 25 | F32A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 139                                    | 99                     | 10.06 | 2.0 | 30 | F42A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 154                                    | 89                     | 18.19 | 2.6 | 30 | F42A | 90S2  | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 166                                    | 83                     | 16.84 | 2.2 | 25 | F32A | 90S2  | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 172                                    | 80                     | 8.12  | 2.4 | 30 | F42A | 90LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 174                                    | 79                     | 8.03  | 2.2 | 25 | F32A | 90LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 193                                    | 71                     | 14.53 | 2.5 | 25 | F32A | 90S2  | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 269                                    | 51                     | 10.40 | 3.3 | 25 | F32A | 90S2  | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 349                                    | 39                     | 8.03  | 3.9 | 25 | F32A | 90S2  | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





**P<sub>1M</sub> = 1.8 kW**

**n<sub>1</sub> = 2800 min<sup>-1</sup>(90SB2) - 1400 min<sup>-1</sup>(90LB4)**

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i     | fs  |    |      |       |   |  |  |    |
|--|------------------------|-------|-----|----|------|-------|---|--|--|----|
|  |                        |       |     |    |      |       | B5                                      | B14  |  |    |
| 20.8                                   | 790                    | 67.34 | 0.8 | 40 | F63C | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 23.9                                   | 686                    | 58.49 | 0.8 | 40 | F63C | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 25 |
| 28.6                                   | 594                    | 49.02 | 1.0 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 30.5                                   | 539                    | 45.93 | 0.9 | 35 | F53A | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 23 |
| 31.6                                   | 537                    | 44.32 | 0.9 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 32.2                                   | 511                    | 43.52 | 1.3 | 40 | F63C | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 25 |
| 33.4                                   | 508                    | 41.94 | 1.2 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 35.6                                   | 461                    | 39.30 | 1.1 | 35 | F53A | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 23 |
| 36.3                                   | 467                    | 38.55 | 1.0 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 37.6                                   | 437                    | 37.23 | 1.5 | 40 | F63C | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 25 |
| 38.4                                   | 441                    | 36.43 | 1.1 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 39.1                                   | 433                    | 35.78 | 1.1 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 41.3                                   | 411                    | 33.90 | 1.5 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 42.3                                   | 389                    | 33.13 | 0.9 | 30 | F43A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90         |  | 21 |
| 45.7                                   | 371                    | 30.65 | 1.3 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 47.4                                   | 358                    | 29.54 | 0.9 | 30 | F42A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 47.9                                   | 354                    | 29.23 | 1.4 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 48.3                                   | 351                    | 29.00 | 1.7 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 51                                     | 335                    | 27.69 | 1.8 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 56                                     | 303                    | 25.04 | 1.6 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 57                                     | 300                    | 24.75 | 1.0 | 30 | F42A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 59                                     | 287                    | 23.69 | 2.2 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 62                                     | 272                    | 22.48 | 1.8 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 64                                     | 264                    | 21.78 | 1.9 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 66                                     | 258                    | 21.29 | 2.4 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 66                                     | 255                    | 21.08 | 1.2 | 30 | F42A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 68                                     | 249                    | 20.58 | 2.3 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 71                                     | 239                    | 19.76 | 0.8 | 25 | F32A | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 73                                     | 233                    | 19.25 | 2.1 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 77                                     | 221                    | 18.22 | 2.8 | 40 | F62C | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 77                                     | 220                    | 18.19 | 1.2 | 30 | F42A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 82                                     | 206                    | 17.02 | 1.2 | 30 | F42A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 83                                     | 204                    | 16.84 | 1.0 | 25 | F32A | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 84                                     | 201                    | 16.63 | 2.5 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 96                                     | 176                    | 14.53 | 1.1 | 25 | F32A | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 98                                     | 173                    | 14.24 | 2.4 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 113                                    | 150                    | 12.39 | 2.7 | 35 | F52A | 90LB4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 135                                    | 126                    | 10.40 | 1.5 | 25 | F32A | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 139                                    | 122                    | 10.06 | 1.6 | 30 | F42A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 172                                    | 98                     | 8.12  | 1.9 | 30 | F42A | 90LB4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 174                                    | 97                     | 8.03  | 1.7 | 25 | F32A | 90LB4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 193                                    | 88                     | 14.53 | 2.0 | 25 | F32A | 90SB2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 269                                    | 63                     | 10.40 | 2.6 | 25 | F32A | 90SB2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 278                                    | 61                     | 10.06 | 3.0 | 30 | F42A | 90SB2 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 349                                    | 49                     | 8.03  | 3.1 | 25 | F32A | 90SB2 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





SELEZIONE MOTORIDUTTORI / GEARMOTORS SELECTION / WAHL DES GETRIEBEMOTORS  
SELECTION DES MOTO-REDUCTEURS / SELECCIÓN MOTO-REDUCTORES

**P<sub>1M</sub> = 2.2 kW** n<sub>1</sub>= 2800 min<sup>-1</sup>(90L2) - 1400 min<sup>-1</sup>(100LA4) - 900 min<sup>-1</sup>(112A6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i     | fs  |    |      |        |   |  |  |    |
|--|------------------------|-------|-----|----|------|--------|---|--|--|----|
|  |                        |       |     |    |      |        | B5                                      | B14  |  |    |
| 28.6                                   | 706                    | 49.02 | 0.9 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 32.2                                   | 607                    | 43.52 | 1.1 | 40 | F63C | 100LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> 80 <sup>C</sup> -90-100/112  |  | 25 |
| 33.4                                   | 604                    | 41.94 | 1.0 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 35.6                                   | 548                    | 39.30 | 0.9 | 35 | F53A | 100LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90-100/112 |  | 23 |
| 36.3                                   | 555                    | 38.55 | 0.8 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 37.6                                   | 520                    | 37.23 | 1.3 | 40 | F63C | 100LA4 | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> 80 <sup>C</sup> -90-100/112  |  | 25 |
| 38.4                                   | 525                    | 36.43 | 1.0 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 39.1                                   | 515                    | 35.78 | 1.0 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 41.3                                   | 488                    | 33.90 | 1.3 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 45.7                                   | 442                    | 30.65 | 1.1 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 47.9                                   | 421                    | 29.23 | 1.2 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 48.3                                   | 418                    | 29.00 | 1.4 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 51                                     | 399                    | 27.69 | 1.5 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 56                                     | 361                    | 25.04 | 1.4 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 59                                     | 341                    | 23.69 | 1.8 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 62                                     | 324                    | 22.48 | 1.5 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 64                                     | 314                    | 21.78 | 1.6 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 66                                     | 307                    | 21.29 | 2.0 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 66                                     | 304                    | 21.08 | 1.0 | 30 | F42A | 100LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 68                                     | 297                    | 20.58 | 1.9 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 69                                     | 290                    | 40.32 | 0.9 | 30 | F42A | 90L2   | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 73                                     | 277                    | 19.25 | 1.8 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 23 |
| 75                                     | 261                    | 37.47 | 0.9 | 30 | F43A | 90L2   | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90          |  | 21 |
| 77                                     | 262                    | 18.22 | 2.4 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                |  | 25 |
| 77                                     | 262                    | 18.19 | 1.0 | 30 | F42A | 100LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 82                                     | 245                    | 17.02 | 1.0 | 30 | F42A | 100LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 84                                     | 240                    | 16.63 | 2.1 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 89                                     | 227                    | 15.75 | 2.7 | 40 | F62C | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 25 |
| 89                                     | 225                    | 10.06 | 0.9 | 30 | F42A | 112A6  | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 98                                     | 205                    | 14.24 | 2.0 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 109                                    | 184                    | 25.58 | 1.0 | 25 | F32A | 90L2   | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 111                                    | 182                    | 8.12  | 1.0 | 30 | F42A | 112A6  | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 113                                    | 178                    | 12.39 | 2.2 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 133                                    | 152                    | 21.08 | 1.9 | 30 | F42A | 90L2   | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 139                                    | 145                    | 10.06 | 1.4 | 30 | F42A | 100LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 159                                    | 127                    | 8.82  | 3.0 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 165                                    | 123                    | 17.02 | 1.8 | 30 | F42A | 90L2   | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 166                                    | 121                    | 16.84 | 1.5 | 25 | F32A | 90L2   | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 172                                    | 117                    | 8.12  | 1.6 | 30 | F42A | 100LA4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 185                                    | 109                    | 7.56  | 2.8 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 193                                    | 105                    | 14.53 | 1.7 | 25 | F32A | 90L2   | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 213                                    | 95                     | 6.57  | 3.1 | 35 | F52A | 100LA4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                            |  | 23 |
| 269                                    | 75                     | 10.40 | 2.2 | 25 | F32A | 90L2   | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |
| 278                                    | 72                     | 10.06 | 2.5 | 30 | F42A | 90L2   | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 345                                    | 58                     | 8.12  | 2.9 | 30 | F42A | 90L2   | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B</sup> 80 <sup>C</sup> -90-100/112  |  | 21 |
| 349                                    | 58                     | 8.03  | 2.6 | 25 | F32A | 90L2   | 63 <sup>B</sup> -71-80-90               | 71 <sup>C</sup> -80 <sup>C</sup> -90         |  | 19 |

**P<sub>1M</sub> = 3.0 kW** n<sub>1</sub>= 2800 min<sup>-1</sup>(100A2) - 1400 min<sup>-1</sup>(100B4) - 900 min<sup>-1</sup>(132S6)

|      |     |       |     |    |      |       |                                |   |  |    |
|------|-----|-------|-----|----|------|-------|--------------------------------|---|--|----|
| 37.6 | 709 | 37.23 | 0.9 | 40 | F63C | 100B4 | 63 <sup>B</sup> -71-80-90      | 71 <sup>C</sup> 80 <sup>C</sup> -90-100/112 |  | 25 |
| 41.3 | 666 | 33.90 | 0.9 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112 | 80-90-100/112                               |  | 25 |
| 45.7 | 602 | 30.65 | 0.8 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112 | 80-90-100/112                               |  | 23 |
| 47.9 | 574 | 29.23 | 0.9 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112 | 80-90-100/112                               |  | 23 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





**P<sub>1M</sub> = 3.0 kW** n<sub>1</sub>= 2800 min<sup>-1</sup>(100A2) - 1400 min<sup>-1</sup>(100B4) - 900 min<sup>-1</sup>(132S6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i     | fs  |    |      |       |   |   |  |    |
|--|------------------------|-------|-----|----|------|-------|---|---|--|----|
|  |                        |       |     |    |      |       | B5                                      | B14   |  |    |
| 48.3                                   | 570                    | 29.00 | 1.0 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 51                                     | 544                    | 27.69 | 1.1 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 56                                     | 492                    | 25.04 | 1.0 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 23 |
| 59                                     | 465                    | 23.69 | 1.3 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 62                                     | 442                    | 22.48 | 1.1 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 23 |
| 64                                     | 428                    | 21.78 | 1.2 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 23 |
| 66                                     | 418                    | 21.29 | 1.5 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 68                                     | 404                    | 20.58 | 1.4 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 73                                     | 378                    | 19.25 | 1.3 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 23 |
| 77                                     | 358                    | 18.22 | 1.7 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 84                                     | 327                    | 16.63 | 1.5 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 89                                     | 309                    | 15.75 | 2.0 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 98                                     | 280                    | 14.24 | 1.5 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 104                                    | 265                    | 13.48 | 2.3 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 119                                    | 231                    | 7.56  | 1.3 | 35 | F52A | 132S6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 120                                    | 230                    | 11.71 | 2.5 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 126                                    | 219                    | 7.15  | 1.7 | 40 | F62C | 132S6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 137                                    | 201                    | 6.57  | 1.4 | 35 | F52A | 132S6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 139                                    | 198                    | 10.06 | 1.0 | 30 | F42A | 100B4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B(C)</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 145                                    | 190                    | 6.21  | 1.7 | 40 | F62C | 132S6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 154                                    | 179                    | 18.19 | 1.3 | 30 | F42A | 100A2 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B(C)</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 159                                    | 173                    | 8.82  | 2.2 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 21 |
| 168                                    | 164                    | 8.36  | 2.6 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 172                                    | 160                    | 8.12  | 1.2 | 30 | F42A | 100B4 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B(C)</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 185                                    | 148                    | 7.56  | 2.0 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 196                                    | 140                    | 7.15  | 2.6 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 213                                    | 129                    | 6.57  | 2.2 | 35 | F52A | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 225                                    | 122                    | 6.21  | 2.6 | 40 | F62C | 100B4 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 278                                    | 99                     | 10.06 | 1.8 | 30 | F42A | 100A2 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B(C)</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 345                                    | 80                     | 8.12  | 2.1 | 30 | F42A | 100A2 | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B(C)</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |

**P<sub>1M</sub> = 4.0 kW**

n<sub>1</sub>= 1400 min<sup>-1</sup>(112M4) - 900 min<sup>-1</sup>(132MA6)

|     |     |       |     |    |      |        |   |   |  |    |
|-----|-----|-------|-----|----|------|--------|---|---|--|----|
| 51  | 725 | 27.69 | 0.9 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 59  | 621 | 23.69 | 1.0 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 62  | 589 | 22.48 | 0.8 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 23 |
| 64  | 570 | 21.78 | 0.9 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 23 |
| 66  | 558 | 21.29 | 1.1 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 68  | 539 | 20.58 | 1.1 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 73  | 504 | 19.25 | 1.0 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 23 |
| 77  | 477 | 18.22 | 1.3 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112                                   |  | 25 |
| 84  | 435 | 16.63 | 1.1 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 89  | 413 | 15.75 | 1.5 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 98  | 373 | 14.24 | 1.1 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 104 | 353 | 13.48 | 1.8 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 113 | 324 | 12.39 | 1.2 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 119 | 308 | 7.56  | 1.0 | 35 | F52A | 132MA6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 120 | 307 | 11.71 | 1.9 | 40 | F62C | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 137 | 268 | 6.57  | 1.1 | 35 | F52A | 132MA6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 145 | 253 | 6.21  | 1.3 | 40 | F62C | 132MA6 | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 25 |
| 159 | 231 | 8.82  | 1.6 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |
| 172 | 213 | 8.12  | 0.9 | 30 | F42A | 112M4  | 63 <sup>B</sup> -71 <sup>B</sup> -80-90 | 71 <sup>B(C)</sup> -80 <sup>C</sup> -90-100/112 |  | 21 |
| 185 | 198 | 7.56  | 1.5 | 35 | F52A | 112M4  | 71 <sup>B</sup> -80-90-100/112          | 80-90-100/112-132                               |  | 23 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position





SELEZIONE MOTORIDUTTORI / GEARMOTORS SELECTION / WAHL DES GETRIEBEMOTORS  
SELECTION DES MOTO-REDUCTEURS / SELECCIÓN MOTO-REDUCTORES

**P<sub>1M</sub> = 4 kW** n<sub>1</sub>= 2800 min<sup>-1</sup>(112M2) - 1400 min<sup>-1</sup>(112M4) - 900 min<sup>-1</sup>(132MA6)

| n <sub>2</sub><br>[min <sup>-1</sup> ] | M <sub>2</sub><br>[Nm] | i     | fs  |    |      |       |   |  |  |    |
|--|------------------------|-------|-----|----|------|-------|---|--|--|----|
|  |                        |       |     |    |      |       | B5  | B14  |  |    |
| 196                                    | 187                    | 7.15  | 2.0 | 40 | F62C | 112M4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112-132                              |  | 25 |
| 213                                    | 172                    | 6.57  | 1.7 | 35 | F52A | 112M4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112-132                              |  | 23 |
| 225                                    | 163                    | 6.21  | 2.0 | 40 | F62C | 112M4 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112-132                              |  | 25 |
| 278                                    | 132                    | 10.06 | 1.4 | 30 | F42A | 112M2 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> -80 <sup>C)</sup> -90-100/112 |  | 21 |
| 317                                    | 116                    | 8.82  | 3.0 | 35 | F52A | 112M2 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112-132                              |  | 23 |
| 345                                    | 106                    | 8.12  | 1.6 | 30 | F42A | 112M2 | 63 <sup>B)</sup> -71 <sup>B)</sup> -80-90 | 71 <sup>B)</sup> -80 <sup>C)</sup> -90-100/112 |  | 21 |
| 371                                    | 99                     | 7.56  | 2.7 | 35 | F52A | 112M2 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112-132                              |  | 23 |
| 426                                    | 86                     | 6.57  | 3.0 | 35 | F52A | 112M2 | 71 <sup>B)</sup> -80-90-100/112           | 80-90-100/112-132                              |  | 23 |

**P<sub>1M</sub> = 5.5 kW** n<sub>1</sub>= 2800 min<sup>-1</sup>(132SA2) - 1400 min<sup>-1</sup>(132S4) - 900 min<sup>-1</sup>(132MB6)

|     |     |       |     |    |      |        |                                 |                   |  |    |
|-----|-----|-------|-----|----|------|--------|---------------------------------|-------------------|--|----|
| 67  | 755 | 13.48 | 0.8 | 40 | F62C | 132MB6 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 77  | 656 | 11.71 | 0.9 | 40 | F62C | 132MB6 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 84  | 599 | 16.63 | 0.8 | 35 | F52A | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 89  | 567 | 15.75 | 1.1 | 40 | F62C | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 98  | 513 | 14.24 | 0.8 | 35 | F52A | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 104 | 485 | 13.48 | 1.3 | 40 | F62C | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 113 | 446 | 12.39 | 0.9 | 35 | F52A | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 120 | 422 | 11.71 | 1.4 | 40 | F62C | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 145 | 348 | 6.21  | 0.9 | 40 | F62C | 132MB6 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 159 | 318 | 8.82  | 1.2 | 35 | F52A | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 168 | 301 | 8.36  | 1.4 | 40 | F62C | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 185 | 272 | 7.56  | 1.1 | 35 | F52A | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 196 | 258 | 7.15  | 1.4 | 40 | F62C | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 213 | 237 | 6.57  | 1.2 | 35 | F52A | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 225 | 224 | 6.21  | 1.4 | 40 | F62C | 132S4  | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 226 | 223 | 12.39 | 1.6 | 35 | F52A | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 239 | 211 | 11.71 | 2.5 | 40 | F62C | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 317 | 159 | 8.82  | 2.2 | 35 | F52A | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 335 | 150 | 8.36  | 2.6 | 40 | F62C | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 371 | 136 | 7.56  | 2.0 | 35 | F52A | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 392 | 129 | 7.15  | 2.6 | 40 | F62C | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 426 | 118 | 6.57  | 2.2 | 35 | F52A | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 451 | 112 | 6.21  | 2.6 | 40 | F62C | 132SA2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |

**P<sub>1M</sub> = 7.5 kW** n<sub>1</sub>= 2800 min<sup>-1</sup>(132SB2) - 1400 min<sup>-1</sup>(132MA4)

|     |     |       |     |    |      |        |                                 |                   |  |    |
|-----|-----|-------|-----|----|------|--------|---------------------------------|-------------------|--|----|
| 89  | 774 | 15.75 | 0.8 | 40 | F62C | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 104 | 662 | 13.48 | 0.9 | 40 | F62C | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 120 | 575 | 11.71 | 1.0 | 40 | F62C | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 159 | 433 | 8.82  | 0.9 | 35 | F52A | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 168 | 410 | 8.36  | 1.0 | 40 | F62C | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 168 | 408 | 16.63 | 1.1 | 35 | F52A | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 178 | 387 | 15.75 | 1.4 | 40 | F62C | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 185 | 371 | 7.56  | 0.8 | 35 | F52A | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 196 | 351 | 7.15  | 1.0 | 40 | F62C | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 213 | 323 | 6.57  | 0.9 | 35 | F52A | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 225 | 305 | 6.21  | 1.0 | 40 | F62C | 132MA4 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 239 | 287 | 11.71 | 1.8 | 40 | F62C | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 317 | 217 | 8.82  | 1.6 | 35 | F52A | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 335 | 205 | 8.36  | 1.9 | 40 | F62C | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 371 | 186 | 7.56  | 1.5 | 35 | F52A | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 392 | 176 | 7.15  | 1.9 | 40 | F62C | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |
| 426 | 161 | 6.57  | 1.6 | 35 | F52A | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 23 |
| 451 | 152 | 6.21  | 1.9 | 40 | F62C | 132SB2 | 71 <sup>B)</sup> -80-90-100/112 | 80-90-100/112-132 |  | 25 |

B

Montaggio con boccola di riduzione  
Coupling by means of reduction bushing



C

Posizione fori flangia/basetta motore  
Motor flange/terminal box position

