

**JCS-P****BARE - SHAFT CENTRIFUGAL MULTI STAGE PUMP****CAST IRON PUMPS & SILICON CARBID MECHANICAL SEAL**

|                  |                 |                  |                   |
|------------------|-----------------|------------------|-------------------|
| <b>Tipo Type</b> | <b>CS-P352S</b> | <b>Tipo Type</b> | <b>CS-P352BRX</b> |
|------------------|-----------------|------------------|-------------------|

Girante - Impeller:  $\varnothing$  152 mm

Apertura - Opening: 6 mm

| Bocche pompa<br>Ports pump | Giri pompa/1' | RPM  |         | m3/h  | 12   | 15   | 18   | 21   | 24   | 27   | 30   | 33  |
|----------------------------|---------------|------|---------|-------|------|------|------|------|------|------|------|-----|
|                            |               |      |         | G/min | 53   | 67   | 80   | 93   | 107  | 120  | 134  | 147 |
| DNa                        | DNm           |      | I/1'    | 200   | 250  | 300  | 350  | 400  | 450  | 500  | 550  |     |
| 65 mm                      | 50 mm         | 1450 | H mt.   | 13    | 12   | 11   | 8.5  | 7    |      |      |      |     |
|                            |               |      | H feet  | 43    | 40   | 37   | 28   | 23   |      |      |      |     |
|                            |               |      | Hp ass. | 0.7   | 0.75 | 0.8  | 0.92 | 0.95 |      |      |      |     |
|                            |               | 1750 | H mt.   | 19.8  | 19.0 | 18.4 | 15.8 | 13.6 | 12.0 |      |      |     |
|                            |               |      | H feet  | 66    | 63   | 61   | 53   | 45   | 40   |      |      |     |
|                            |               |      | Hp ass. | 1.0   | 1.1  | 1.2  | 1.4  | 1.5  | 1.6  |      |      |     |
|                            |               | 2200 | H mt.   | 32.4  | 31.3 | 30   | 29   | 27   | 25   | 21.5 | 18.9 |     |
|                            |               |      | H feet  | 108   | 104  | 100  | 97   | 90   | 83   | 72   | 63   |     |
| Hp ass.                    | 1.8           |      | 2       | 2.2   | 2.4  | 2.6  | 2.8  | 3    | 3.2  |      |      |     |
| 2400                       | H mt.         | 38.4 | 37      | 36    | 34.5 | 32   | 29.4 | 25.6 | 22.4 |      |      |     |
|                            | H feet        | 128  | 123     | 120   | 115  | 107  | 98   | 85   | 75   |      |      |     |
|                            | Hp ass.       | 2.4  | 2.6     | 2.8   | 3.1  | 3.4  | 3.6  | 3.9  | 4.1  |      |      |     |
| 2600                       | H mt.         | 45   | 43.5    | 42    | 40   | 37.5 | 34.5 | 30   | 26.2 |      |      |     |
|                            | H feet        | 150  | 145     | 140   | 133  | 125  | 115  | 100  | 87   |      |      |     |
|                            | Hp ass.       | 3    | 3.3     | 3.6   | 3.9  | 4.3  | 4.5  | 4.9  | 5.2  |      |      |     |
| 2900                       | H mt.         | 54   | 52      | 50    | 48   | 45   | 41   | 36   | 31   |      |      |     |
|                            | H feet        | 180  | 173     | 167   | 160  | 150  | 137  | 120  | 103  |      |      |     |
|                            | Hp ass.       | 3.9  | 4.3     | 4.6   | 5    | 5.5  | 5.6  | 6.4  | 6.6  |      |      |     |
| 3000                       | H mt.         | 60   | 58      | 56    | 54   | 50   | 46   | 40   | 35   |      |      |     |
|                            | H feet        | 200  | 193     | 187   | 180  | 167  | 153  | 133  | 117  |      |      |     |
|                            | Hp ass.       | 4.6  | 5.1     | 5.5   | 6    | 6.6  | 7    | 7.6  | 8    |      |      |     |
| 3500                       | H mt.         |      |         |       |      | 79.2 | 75.9 | 73.4 | 63.3 |      |      |     |
|                            | H feet        |      |         |       |      | 264  | 253  | 245  | 211  |      |      |     |
|                            | Hp ass.       |      |         |       |      | 8.1  | 8.9  | 9.7  | 11.3 |      |      |     |

|                  |                 |                  |                   |
|------------------|-----------------|------------------|-------------------|
| <b>Tipo Type</b> | <b>CS-P353S</b> | <b>Tipo Type</b> | <b>CS-P353BRX</b> |
|------------------|-----------------|------------------|-------------------|

Girante - Impeller:  $\varnothing$  152 mm

Apertura - Opening: 6 mm

| Bocche pompa<br>Ports pump | Giri pompa/1' | RPM |      | m3/h  | 12  | 15  | 18  | 21  | 24  | 27  | 30  | 33  |
|----------------------------|---------------|-----|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
|                            |               |     |      | G/min | 53  | 67  | 80  | 93  | 107 | 120 | 134 | 147 |
| DNa                        | DNm           |     | I/1' | 200   | 250 | 300 | 350 | 400 | 450 | 500 | 550 |     |

|         |         |      |         |      |      |       |       |       |      |    |    |
|---------|---------|------|---------|------|------|-------|-------|-------|------|----|----|
| 65 mm   | 50 mm   | 1450 | H mt.   | 18.6 | 16.4 | 14    | 11.3  | 10.4  |      |    |    |
|         |         |      | H feet  | 62   | 55   | 47    | 38    | 35    |      |    |    |
|         |         |      | Hp ass. | 0.75 | 0.81 | 0.86  | 1.02  | 1.05  |      |    |    |
|         |         | 1750 | H mt.   | 30.4 | 27.2 | 25.3  | 20.4  | 17.7  | 16.5 |    |    |
|         |         |      | H feet  | 101  | 91   | 84    | 68    | 59    | 55   |    |    |
|         |         |      | Hp ass. | 1.2  | 1.3  | 1.4   | 1.5   | 1.6   | 1.8  |    |    |
|         |         | 2200 | H mt.   | 49   | 48   | 43    | 40    | 36.5  | 32.3 | 28 | 26 |
|         |         |      | H feet  | 163  | 160  | 143   | 133   | 122   | 108  | 93 | 87 |
| Hp ass. | 2.2     |      | 2.4     | 2.6  | 2.7  | 2.8   | 3     | 3.2   | 3.6  |    |    |
| 2400    | H mt.   | 58.8 | 58.2    | 51.8 | 49   | 43.5  | 38.4  | 31    | 30.7 |    |    |
|         | H feet  | 196  | 194     | 173  | 163  | 145   | 128   | 103   | 102  |    |    |
|         | Hp ass. | 2.8  | 3.1     | 3.3  | 3.5  | 3.6   | 3.9   | 4.1   | 4.4  |    |    |
| 2600    | H mt.   | 69   | 68.4    | 60.9 | 57   | 51    | 45    | 39    | 36   |    |    |
|         | H feet  | 230  | 228     | 203  | 190  | 170   | 150   | 130   | 120  |    |    |
|         | Hp ass. | 3.6  | 3.9     | 4.2  | 4.4  | 4.6   | 4.9   | 5.2   | 5.5  |    |    |
| 2900    | H mt.   | 81   | 79      | 72   | 70   | 61    | 53.5  | 46    | 45   |    |    |
|         | H feet  | 270  | 263     | 240  | 233  | 203   | 178   | 153   | 150  |    |    |
|         | Hp ass. | 4.7  | 5       | 5.5  | 5.7  | 6     | 6.5   | 6.7   | 6.9  |    |    |
| 3000    | H mt.   | 92   | 91      | 81   | 76   | 68    | 60    | 52    | 48   |    |    |
|         | H feet  | 307  | 303     | 270  | 253  | 227   | 200   | 173   | 160  |    |    |
|         | Hp ass. | 5.5  | 6       | 6.5  | 6.8  | 7     | 7.5   | 8     | 8.5  |    |    |
| 3500    | H mt.   |      |         |      |      | 121.5 | 108.9 | 101.3 | 81.8 |    |    |
|         | H feet  |      |         |      |      | 405   | 363   | 338   | 273  |    |    |
|         | Hp ass. |      |         |      |      | 9.7   | 10.5  | 10.9  | 12.1 |    |    |

| Tipo Type | CS-P354S | Tipo Type | CS-P354BRX |
|-----------|----------|-----------|------------|
|-----------|----------|-----------|------------|

Girante - Impeller:  $\varnothing$  152 mm

Apertura - Opening: 6 mm

| Bocche pompa |         | Giri pompa/1' | m3/h    | 12    | 15   | 18   | 21   | 24   | 27   | 30  | 33  |
|--------------|---------|---------------|---------|-------|------|------|------|------|------|-----|-----|
| DNa          | DNm     |               |         | G/min | 53   | 67   | 80   | 93   | 107  | 120 | 134 |
|              |         | RPM           | l/1'    | 200   | 250  | 300  | 350  | 400  | 450  | 500 | 550 |
| 65 mm        | 50 mm   | 1450          | H mt.   | 20    | 18   | 15.8 | 14.1 | 11.4 |      |     |     |
|              |         |               | H feet  | 67    | 60   | 53   | 47   | 38   |      |     |     |
|              |         |               | Hp ass. | 0.97  | 1.05 | 1.12 | 1.26 | 1.32 |      |     |     |
|              |         | 1750          | H mt.   | 34.1  | 29.1 | 28.2 | 23.1 | 21.1 | 19.7 |     |     |
|              |         |               | H feet  | 114   | 97   | 94   | 77   | 70   | 66   |     |     |
| Hp ass.      | 1.6     |               | 1.7     | 1.8   | 2.0  | 2.1  | 2.2  |      |      |     |     |
| 2200         | H mt.   | 54            | 53.8    | 46    | 44.6 | 40.3 | 36.5 | 33.3 | 31.2 |     |     |
|              | H feet  | 180           | 179     | 153   | 149  | 134  | 122  | 111  | 104  |     |     |
|              | Hp ass. | 2.8           | 3.2     | 3.4   | 3.6  | 3.7  | 3.9  | 4.2  | 4.4  |     |     |
| 2400         | H mt.   | 65            | 64      | 54.4  | 53   | 48   | 43.5 | 39.6 | 37   |     |     |
|              | H feet  | 217           | 213     | 181   | 177  | 160  | 145  | 132  | 123  |     |     |
|              | Hp ass. | 3.7           | 4.1     | 4.4   | 4.6  | 4.9  | 5.1  | 5.4  | 5.6  |     |     |
| 2600         | H mt.   | 76            | 75      | 63.7  | 62.2 | 56.2 | 51   | 46.5 | 43.5 |     |     |
|              | H feet  | 253           | 250     | 212   | 207  | 187  | 170  | 155  | 145  |     |     |
|              | Hp ass. | 4.7           | 5.2     | 5.5   | 5.8  | 6.2  | 6.5  | 6.8  | 7.2  |     |     |

|  |  |      |         |     |     |     |     |       |       |       |      |
|--|--|------|---------|-----|-----|-----|-----|-------|-------|-------|------|
|  |  | 2900 | H mt.   | 89  | 85  | 76  | 72  | 67    | 61    | 55    | 51   |
|  |  |      | H feet  | 297 | 283 | 253 | 240 | 223   | 203   | 183   | 170  |
|  |  |      | Hp ass. | 6   | 6.5 | 7   | 7.5 | 8     | 8.3   | 8.8   | 9    |
|  |  | 3000 | H mt.   | 101 | 100 | 85  | 83  | 75    | 68    | 62    | 58   |
|  |  |      | H feet  | 337 | 333 | 283 | 277 | 250   | 227   | 207   | 193  |
|  |  |      | Hp ass. | 7.2 | 8   | 8.5 | 9   | 9.5   | 10    | 10.5  | 11   |
|  |  | 3500 | H mt.   |     |     |     |     | 136.2 | 116.5 | 112.9 | 92.4 |
|  |  |      | H feet  |     |     |     |     | 454   | 388   | 376   | 308  |
|  |  |      | Hp ass. |     |     |     |     | 12.9  | 13.7  | 14.5  | 15.7 |

| Tipo Type | CS-P355S | Tipo Type | CS-P355BRX |
|-----------|----------|-----------|------------|
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Girante - Impeller:  $\varnothing$  152 mm

Apertura - Opening: 6 mm

| Bocche pompa |         | Giri pompa/1' | m3/h    | 12    | 15   | 18    | 21    | 24    | 27    | 30  | 33  |     |
|--------------|---------|---------------|---------|-------|------|-------|-------|-------|-------|-----|-----|-----|
| DNa          | DNm     |               |         | G/min | 53   | 67    | 80    | 93    | 107   | 120 | 134 | 147 |
|              |         | RPM           | l/1'    | 200   | 250  | 300   | 350   | 400   | 450   | 500 | 550 |     |
| 65 mm        | 50 mm   | 1450          | H mt.   | 22.6  | 19.1 | 17.4  | 13.9  | 11.7  |       |     |     |     |
|              |         |               | H feet  | 75    | 64   | 58    | 46    | 39    |       |     |     |     |
|              |         |               | Hp ass. | 1.5   | 1.63 | 1.68  | 1.8   | 1.92  |       |     |     |     |
|              |         | 1750          | H mt.   | 38.0  | 32.9 | 29.7  | 25.3  | 21.5  | 20.3  |     |     |     |
|              |         |               | H feet  | 127   | 110  | 99    | 84    | 72    | 68    |     |     |     |
|              |         |               | Hp ass. | 2.5   | 2.7  | 2.8   | 3.0   | 3.1   | 3.2   |     |     |     |
|              |         | 2200          | H mt.   | 63    | 60   | 52    | 47    | 44    | 40    | 34  | 32  |     |
|              |         |               | H feet  | 210   | 200  | 173   | 157   | 147   | 133   | 113 | 107 |     |
| Hp ass.      | 4.6     |               | 4.9     | 5.3   | 5.5  | 5.7   | 5.9   | 6.1   | 6.3   |     |     |     |
| 2400         | H mt.   | 75            | 72      | 61    | 56   | 53    | 48    | 41    | 38    |     |     |     |
|              | H feet  | 250           | 240     | 203   | 187  | 177   | 160   | 137   | 127   |     |     |     |
|              | Hp ass. | 5.9           | 6.4     | 6.9   | 7.2  | 7.4   | 7.7   | 7.9   | 8.2   |     |     |     |
| 2600         | H mt.   | 88            | 84      | 72    | 65   | 62    | 56    | 48    | 45    |     |     |     |
|              | H feet  | 293           | 280     | 240   | 217  | 207   | 187   | 160   | 150   |     |     |     |
|              | Hp ass. | 7.5           | 8.1     | 8.8   | 9.1  | 9.4   | 9.7   | 10.1  | 10.4  |     |     |     |
| 2900         | H mt.   | 104           | 97      | 84    | 79   | 73    | 66    | 57    | 53    |     |     |     |
|              | H feet  | 347           | 323     | 280   | 263  | 243   | 220   | 190   | 177   |     |     |     |
|              | Hp ass. | 9.6           | 10      | 11.3  | 11.8 | 12.3  | 12.5  | 13    | 13.5  |     |     |     |
| 3000         | H mt.   | 118           | 112     | 96    | 87   | 83    | 75    | 64    | 60    |     |     |     |
|              | H feet  | 393           | 373     | 320   | 290  | 277   | 250   | 213   | 200   |     |     |     |
|              | Hp ass. | 11.6          | 12.5    | 13.5  | 14   | 14.5  | 15    | 15.6  | 16    |     |     |     |
| 3500         | H mt.   |               |         |       |      | 151.9 | 131.6 | 119.0 | 101.3 |     |     |     |
|              | H feet  |               |         |       |      | 506   | 439   | 397   | 338   |     |     |     |
|              | Hp ass. |               |         |       |      | 19.7  | 21.3  | 22.2  | 23.8  |     |     |     |

| Tipo Type | CS-P65328ERSS |
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| Bocche pompa |     | Giri pompa/1' | m3/h | 12    | 18 | 24 | 27  | 30  | 33  | 36  | 39  |
|--------------|-----|---------------|------|-------|----|----|-----|-----|-----|-----|-----|
| DNa          | DNm |               |      | G/min | 53 | 80 | 107 | 120 | 134 | 147 | 160 |

| DNa   | DNm   | RPM  | l/1'    | 200  | 300  | 400  | 450  | 500   | 550  | 600  | 650  |
|-------|-------|------|---------|------|------|------|------|-------|------|------|------|
| 65 mm | 50 mm | 1450 | H mt.   |      | 55.8 | 36.5 | 28.2 | 19.4  | 13.4 | 9.2  | 6.3  |
|       |       |      | H feet  |      | 186  | 122  | 94   | 65    | 45   | 31   | 21   |
|       |       |      | Hp ass. |      | 5.1  | 5.6  | 5.6  | 5.7   | 5.8  | 5.9  | 6.0  |
|       |       | 1750 | H mt.   |      | 81.5 | 53.3 | 41.2 | 28.3  | 19.5 | 13.5 | 9.2  |
|       |       |      | H feet  |      | 272  | 178  | 137  | 94    | 65   | 45   | 31   |
|       |       |      | Hp ass. |      | 8.9  | 9.7  | 9.9  | 10.0  | 10.1 | 10.3 | 10.4 |
|       |       | 2000 | H mt.   | 135  | 124  | 106  | 95.2 | 83.2  | 69.3 | 53.6 | 36.8 |
|       |       |      | H feet  | 450  | 413  | 353  | 317  | 277   | 231  | 179  | 123  |
|       |       |      | Hp ass. | 10.2 | 12.2 | 13.4 | 14.1 | 14.4  | 14.6 | 14.8 | 15   |
|       |       | 2200 | H mt.   | 165  | 155  | 138  | 126  | 113.6 | 99.7 | 84.6 | 68.8 |
|       |       |      | H feet  | 550  | 517  | 460  | 420  | 379   | 332  | 282  | 229  |
|       |       |      | Hp ass. | 13.1 | 15.5 | 17.4 | 18.1 | 18.6  | 19   | 19.4 | 19.5 |

Tipo Type

**CS-P65225ERS**

| Bocche pompa |       | Giri pompa/1' | m3/h    | 6     | 12    | 18    | 21    | 24    | 27    | 30    | 33    |  |
|--------------|-------|---------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| DNa          | DNm   |               | G/min   | 27    | 53    | 80    | 93    | 107   | 120   | 134   | 147   |  |
| DNa          | DNm   | RPM           | l/1'    | 100   | 200   | 300   | 350   | 400   | 450   | 500   | 550   |  |
| 65 mm        | 50 mm | 1750          | H mt.   | 57.5  | 49.1  | 42.9  | 36.0  | 28.4  | 19.2  |       |       |  |
|              |       |               | H feet  | 191.7 | 163.6 | 143.1 | 120.1 | 94.6  | 63.9  |       |       |  |
|              |       |               | Hp ass. | 3.8   | 4.4   | 4.5   | 4.7   | 4.7   | 4.7   |       |       |  |
|              |       | 2000          | H mt.   | 81    | 75    | 64    | 56    | 47    | 37    | 25    |       |  |
|              |       |               | H feet  | 270   | 250   | 213   | 187   | 157   | 123   | 83    |       |  |
|              |       |               | Hp ass. | 4.5   | 5.7   | 6.5   | 6.7   | 7     | 7     | 7     |       |  |
|              |       | 2200          | H mt.   | 101   | 94    | 82    | 74    | 64    | 54    | 42    |       |  |
|              |       |               | H feet  | 337   | 313   | 273   | 247   | 213   | 180   | 140   |       |  |
|              |       |               | Hp ass. | 5.7   | 7.3   | 8.5   | 9     | 9     | 9.2   | 9.2   |       |  |
|              |       | 2600          | H mt.   | 136   | 132   | 123   | 114   | 105   | 94    | 83    | 70    |  |
|              |       |               | H feet  | 453   | 440   | 410   | 380   | 350   | 313   | 277   | 233   |  |
|              |       |               | Hp ass. | 9     | 11.3  | 13    | 14    | 14.5  | 15    | 15    | 15    |  |
|              |       | 2900          | H mt.   | 170   | 167   | 158   | 151   | 140   | 130   | 118   | 105   |  |
|              |       |               | H feet  | 567   | 557   | 527   | 503   | 467   | 433   | 393   | 350   |  |
|              |       |               | Hp ass. | 11.7  | 15    | 17.5  | 18.5  | 19    | 20    | 21    | 21    |  |
|              |       | 3500          | H mt.   |       | 244.8 | 240.5 | 227.5 | 217.4 | 209.5 | 201.6 | 187.2 |  |
|              |       |               | H feet  |       | 816   | 802   | 758   | 725   | 698   | 672   | 624   |  |
|              |       |               | Hp ass. |       | 20.2  | 25.9  | 30.2  | 32.0  | 32.4  | 32.8  | 34.6  |  |

Tipo Type

**CS-PS554AS**

Tipo Type

| Bocche pompa |     | Giri pompa/1' | m3/h  | 18  | 21  | 24  | 27  | 30  | 33  | 36  | 39  |
|--------------|-----|---------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| DNa          | DNm |               | G/min | 80  | 93  | 107 | 120 | 134 | 147 | 160 | 174 |
| DNa          | DNm | RPM           | l/1'  | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
|              |     |               | H mt. | 281 | 276 | 272 | 264 | 252 | 245 | 238 | 229 |

|       |       |      |         |     |       |       |       |       |       |       |       |
|-------|-------|------|---------|-----|-------|-------|-------|-------|-------|-------|-------|
| 65 mm | 50 mm | 2900 | H feet  | 937 | 920   | 907   | 880   | 840   | 817   | 793   | 763   |
|       |       |      | Hp ass. | 44  | 48    | 52    | 56    | 59    | 61    | 65    | 72    |
|       |       | 3500 | H mt.   |     | 404.6 | 397.4 | 394.6 | 391.7 | 385.9 | 380.2 | 371.5 |
|       |       |      | H feet  |     | 1349  | 1325  | 1315  | 1306  | 1286  | 1267  | 1238  |
|       |       |      | Hp ass. |     | 76.0  | 82.9  | 86.4  | 89.9  | 93.3  | 96.8  | 99.4  |

|                  |                  |                  |                    |
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| <b>Tipo Type</b> | <b>CS-P552AS</b> | <b>Tipo Type</b> | <b>CS-P552ABRX</b> |
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Girante Prim. - Prim. Impeller: ø 260 mm

Girante Sec. - Sec. Impeller: ø 205 r

Apertura - Opening: 6 mm

Apertura - Opening: 6 mm

| Bocche pompa |         | Giri pompa/1' | m3/h    | 12   | 15    | 18   | 21   | 24   | 27   | 30   | 33  |
|--------------|---------|---------------|---------|------|-------|------|------|------|------|------|-----|
| DNa          | DNm     |               |         | RPM  | G/min | 53   | 67   | 80   | 93   | 107  | 120 |
|              |         | RPM           | l/1'    | 200  | 250   | 300  | 350  | 400  | 450  | 500  | 550 |
| 65 mm        | 50 mm   | 1450          | H mt.   | 40   | 39.5  | 38.5 | 37   | 35.5 | 33.5 | 31   | 28  |
|              |         |               | H feet  | 133  | 132   | 128  | 123  | 118  | 112  | 103  | 93  |
|              |         |               | Hp ass. | 2.7  | 3     | 3.5  | 3.7  | 4    | 4.3  | 4.6  | 4.9 |
|              |         | 1750          | H mt.   |      | 57    | 56   | 55   | 53   | 51.5 | 49.5 | 47  |
|              |         |               | H feet  |      | 190   | 187  | 183  | 177  | 172  | 165  | 157 |
|              |         |               | Hp ass. |      | 5     | 5.5  | 6    | 6.5  | 7.5  | 7.8  | 8.5 |
|              |         | 2000          | H mt.   |      | 73    | 73   | 72   | 70   | 69   | 67   | 64  |
|              |         |               | H feet  |      | 243   | 243  | 240  | 233  | 230  | 223  | 213 |
| Hp ass.      |         |               | 7.5     | 8.5  | 9     | 10   | 10.5 | 11.5 | 12   |      |     |
| 2200         | H mt.   |               | 89      | 88   | 87    | 86   | 84   | 81   | 79   |      |     |
|              | H feet  |               | 297     | 293  | 290   | 287  | 280  | 270  | 263  |      |     |
|              | Hp ass. |               | 9.5     | 10.5 | 11.5  | 12.5 | 13.5 | 14.5 | 15   |      |     |
| 2400         | H mt.   |               |         | 104  | 104   | 103  | 102  | 101  | 98   |      |     |
|              | H feet  |               |         | 347  | 347   | 343  | 340  | 337  | 327  |      |     |
|              | Hp ass. |               |         | 14   | 16    | 16   | 17   | 18   | 19   |      |     |
| 2600         | H mt.   |               |         | 124  | 123   | 122  | 121  | 120  | 118  |      |     |
|              | H feet  |               |         | 413  | 410   | 407  | 403  | 400  | 393  |      |     |
|              | Hp ass. |               |         | 16   | 18    | 19   | 20   | 21   | 22   |      |     |
| 2900         | H mt.   |               |         |      |       | 148  | 147  | 144  | 144  |      |     |
|              | H feet  |               |         |      |       | 493  | 490  | 480  | 480  |      |     |
|              | Hp ass. |               |         |      |       | 24   | 25.5 | 28   | 27   |      |     |
| 3500         | H mt.   |               |         |      |       |      |      | 228  | 226  |      |     |
|              | H feet  |               |         |      |       |      |      | 760  | 753  |      |     |
|              | Hp ass. |               |         |      |       |      |      | 40   | 42   |      |     |

|                  |                  |                  |                    |
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| <b>Tipo Type</b> | <b>CS-P552BS</b> | <b>Tipo Type</b> | <b>CS-P552BBRX</b> |
|------------------|------------------|------------------|--------------------|

Girante Prim. - Prim. Impeller: ø 250 mm

Girante Sec. - Sec. Impeller: ø 205 r

Apertura - Opening: 6 mm

Apertura - Opening: 6 mm

| Bocche pompa |     | Giri pompa/1' | m3/h   | 12  | 15    | 18   | 21  | 24  | 27  | 30   | 33  |
|--------------|-----|---------------|--------|-----|-------|------|-----|-----|-----|------|-----|
| DNa          | DNm |               |        | RPM | G/min | 53   | 67  | 80  | 93  | 107  | 120 |
|              |     | RPM           | l/1'   | 200 | 250   | 300  | 350 | 400 | 450 | 500  | 550 |
|              |     | 1450          | H mt.  | 37  | 36    | 35.5 | 34  | 33  | 31  | 28.5 | 26  |
|              |     |               | H feet | 123 | 120   | 118  | 113 | 110 | 103 | 95   | 87  |

|         |         |      |         |      |      |      |       |      |       |      |      |
|---------|---------|------|---------|------|------|------|-------|------|-------|------|------|
| 65 mm   | 50 mm   |      | Hp ass. | 2.4  | 2.7  | 3.1  | 3.3   | 3.6  | 3.8   | 4.1  | 4.4  |
|         |         | 1750 | H mt.   |      | 53   | 52   | 51    | 49   | 47.5  | 45.7 | 43.5 |
|         |         |      | H feet  |      | 177  | 173  | 170   | 163  | 158   | 152  | 145  |
|         |         |      | Hp ass. |      | 4.4  | 4.9  | 5.3   | 5.8  | 6.7   | 6.9  | 7.6  |
|         |         | 2000 | H mt.   |      | 67.4 | 67   | 66    | 64.7 | 64    | 62   | 59   |
|         |         |      | H feet  |      | 225  | 223  | 220   | 216  | 213   | 207  | 197  |
|         |         |      | Hp ass. |      | 6.6  | 7.5  | 8     | 8.9  | 9.3   | 10.2 | 10.6 |
|         |         | 2200 | H mt.   |      | 83   | 81   | 80    | 79   | 77    | 75   | 73   |
| H feet  |         |      | 277     | 270  | 267  | 263  | 257   | 250  | 243   |      |      |
| Hp ass. |         |      | 8.4     | 9.3  | 10.2 | 11.1 | 12    | 12.9 | 13.3  |      |      |
| 2400    | H mt.   |      |         | 96.1 | 96   | 95   | 94    | 93   | 91    |      |      |
|         | H feet  |      |         | 320  | 320  | 317  | 313   | 310  | 303   |      |      |
|         | Hp ass. |      |         | 12.4 | 14   | 14.2 | 15    | 16   | 16.9  |      |      |
| 2600    | H mt.   |      |         | 115  | 114  | 113  | 112   | 110  | 109   |      |      |
|         | H feet  |      |         | 383  | 380  | 377  | 373   | 367  | 363   |      |      |
|         | Hp ass. |      |         | 14.2 | 16   | 16.9 | 18.5  | 19.4 | 20.3  |      |      |
| 2900    | H mt.   |      |         |      |      | 136  | 135.9 | 133  | 133.5 |      |      |
|         | H feet  |      |         |      |      | 453  | 453   | 443  | 445   |      |      |
|         | Hp ass. |      |         |      |      | 21.3 | 24    | 24.2 | 24.5  |      |      |
| 3500    | H mt.   |      |         |      |      |      |       | 212  | 210   |      |      |
|         | H feet  |      |         |      |      |      |       | 707  | 700   |      |      |
|         | Hp ass. |      |         |      |      |      |       | 35.2 | 37.2  |      |      |

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| <b>Tipo Type</b> | <b>CS-P552CS</b> | <b>Tipo Type</b> | <b>CS-P552CBRX</b> |
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Girante Prim. - Prim. Impeller: ø 240 mm

Girante Sec. - Sec. Impeller: ø 205 r

Apertura - Opening: 6 mm

Apertura - Opening: 6 mm

| Bocche pompa |         | Giri pompa/1' | m3/h    | 12   | 15    | 18   | 21   | 24   | 27   | 30   | 33   |
|--------------|---------|---------------|---------|------|-------|------|------|------|------|------|------|
| DNa          | DNm     |               |         | RPM  | G/min | 53   | 67   | 80   | 93   | 107  | 120  |
|              |         |               | l/1'    | 200  | 250   | 300  | 350  | 400  | 450  | 500  | 550  |
| 65 mm        | 50 mm   | 1450          | H mt.   | 34   | 33.6  | 32.8 | 31.5 | 30   | 28.5 | 26.4 | 23.8 |
|              |         |               | H feet  | 113  | 112   | 109  | 105  | 100  | 95   | 88   | 79   |
|              |         |               | Hp ass. | 2.2  | 2.4   | 2.7  | 2.9  | 3.1  | 3.3  | 3.6  | 3.8  |
|              |         | 1750          | H mt.   |      | 48.5  | 47.7 | 46.8 | 45   | 44   | 42   | 40   |
|              |         |               | H feet  |      | 162   | 159  | 156  | 150  | 147  | 140  | 133  |
|              |         |               | Hp ass. |      | 3.9   | 4.3  | 4.7  | 5    | 5.9  | 6.2  | 6.7  |
| 2000         | H mt.   |               | 62      | 62.2 | 61    | 59   | 58   | 57   | 54   |      |      |
|              | H feet  |               | 207     | 207  | 203   | 197  | 193  | 190  | 180  |      |      |
|              | Hp ass. |               | 6       | 6.6  | 7     | 7.8  | 8    | 9    | 9.4  |      |      |
| 2200         | H mt.   |               | 76      | 75   | 74    | 73   | 72   | 69   | 67   |      |      |
|              | H feet  |               | 253     | 250  | 247   | 243  | 240  | 230  | 223  |      |      |
|              | Hp ass. |               | 7.5     | 8.2  | 9     | 9.8  | 10.6 | 11.4 | 11.7 |      |      |
| 2400         | H mt.   |               |         | 88.6 | 88    | 87.5 | 87   | 86   | 83   |      |      |
|              | H feet  |               |         | 295  | 293   | 292  | 290  | 287  | 277  |      |      |
|              | Hp ass. |               |         | 11   | 12.3  | 12.5 | 13.3 | 14   | 14.9 |      |      |
| 2600         | H mt.   |               |         | 105  | 105   | 104  | 103  | 102  | 100  |      |      |
|              | H feet  |               |         | 350  | 350   | 347  | 343  | 340  | 333  |      |      |

|  |  |      |         |  |  |      |      |      |      |      |       |
|--|--|------|---------|--|--|------|------|------|------|------|-------|
|  |  |      | Hp ass. |  |  | 12.5 | 14.1 | 14.9 | 15.7 | 16.5 | 17    |
|  |  | 2900 | H mt.   |  |  |      |      | 126  | 125  | 123  | 122   |
|  |  |      | H feet  |  |  |      |      | 420  | 417  | 410  | 407   |
|  |  |      | Hp ass. |  |  |      |      | 18.8 | 20.6 | 21   | 21.2  |
|  |  | 3500 | H mt.   |  |  |      |      |      |      | 194  | 192.4 |
|  |  |      | H feet  |  |  |      |      |      |      | 647  | 641   |
|  |  |      | Hp ass. |  |  |      |      |      |      | 31.2 | 32.8  |

|                  |                  |                  |                    |
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| <b>Tipo Type</b> | <b>CS-P553AS</b> | <b>Tipo Type</b> | <b>CS-P553ABRX</b> |
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Girante Prim. - Prim. Impeller:  $\varnothing$  260 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  205 r

Apertura - Opening: 6 mm

Apertura - Opening: 6 mm

| Bocche pompa |         | Giri pompa/1' | m3/h    | 12   | 15    | 18   | 21   | 24   | 27   | 30   | 33   |
|--------------|---------|---------------|---------|------|-------|------|------|------|------|------|------|
| DNa          | DNm     |               |         | RPM  | G/min | 53   | 67   | 80   | 93   | 107  | 120  |
|              |         | RPM           | l/1'    | 200  | 250   | 300  | 350  | 400  | 450  | 500  | 550  |
| 65 mm        | 50 mm   | 1450          | H mt.   | 55   | 54    | 52.5 | 50.5 | 48   | 45.5 | 42   | 37.5 |
|              |         |               | H feet  | 183  | 180   | 175  | 168  | 160  | 152  | 140  | 125  |
|              |         |               | Hp ass. | 3.6  | 4.1   | 4.5  | 5    | 5.5  | 6    | 6.5  | 7    |
|              |         | 1750          | H mt.   |      | 78    | 77   | 75   | 73   | 71   | 68   | 64   |
|              |         |               | H feet  |      | 260   | 257  | 250  | 243  | 237  | 227  | 213  |
|              |         |               | Hp ass. |      | 7     | 8    | 8.5  | 9.5  | 10   | 10.5 | 11.5 |
|              |         | 2000          | H mt.   |      | 96    | 95   | 94   | 92   | 90   | 87   | 84   |
|              |         |               | H feet  |      | 320   | 317  | 313  | 307  | 300  | 290  | 280  |
| Hp ass.      |         |               | 9       | 10   | 11    | 12   | 13.5 | 14.5 | 15   |      |      |
| 2200         | H mt.   |               | 123     | 121  | 120   | 117  | 115  | 112  | 108  |      |      |
|              | H feet  |               | 410     | 403  | 400   | 390  | 383  | 373  | 360  |      |      |
|              | Hp ass. |               | 13      | 14.5 | 15.5  | 17   | 18   | 19   | 20   |      |      |
| 2400         | H mt.   |               |         |      | 143   | 142  | 141  | 140  | 137  | 135  |      |
|              | H feet  |               |         |      | 477   | 473  | 470  | 467  | 457  | 450  |      |
|              | Hp ass. |               |         |      | 18    | 20   | 21.5 | 23   | 24.5 | 26   |      |
| 2600         | H mt.   |               |         |      | 166   | 165  | 164  | 162  | 159  | 156  |      |
|              | H feet  |               |         |      | 553   | 550  | 547  | 540  | 530  | 520  |      |
|              | Hp ass. |               |         |      | 21    | 24   | 25.5 | 27   | 28.5 | 29.5 |      |
| 2900         | H mt.   |               |         |      |       |      | 177  | 176  | 174  | 170  |      |
|              | H feet  |               |         |      |       |      | 590  | 587  | 580  | 567  |      |
|              | Hp ass. |               |         |      |       |      | 28   | 29   | 31.5 | 32   |      |
| 3500         | H mt.   |               |         |      |       |      |      |      | 312  | 310  |      |
|              | H feet  |               |         |      |       |      |      |      | 1040 | 1033 |      |
|              | Hp ass. |               |         |      |       |      |      |      | 56   | 60   |      |

|                  |                  |                  |                    |
|------------------|------------------|------------------|--------------------|
| <b>Tipo Type</b> | <b>CS-P553BS</b> | <b>Tipo Type</b> | <b>CS-P553BBRX</b> |
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Girante Prim. - Prim. Impeller:  $\varnothing$  250 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  205 r

Apertura - Opening: 6 mm

Apertura - Opening: 6 mm

| Bocche pompa |     | Giri pompa/1' | m3/h  | 12  | 15    | 18   | 21   | 24   | 27  | 30  | 33  |
|--------------|-----|---------------|-------|-----|-------|------|------|------|-----|-----|-----|
| DNa          | DNm |               |       | RPM | G/min | 53   | 67   | 80   | 93  | 107 | 120 |
|              |     | RPM           | l/1'  | 200 | 250   | 300  | 350  | 400  | 450 | 500 | 550 |
|              |     |               | H mt. | 51  | 50    | 48.5 | 46.6 | 44.3 | 42  | 39  | 35  |

|       |         |      |         |      |      |       |      |      |      |      |      |
|-------|---------|------|---------|------|------|-------|------|------|------|------|------|
| 65 mm | 50 mm   | 1450 | H feet  | 170  | 167  | 162   | 155  | 148  | 140  | 130  | 117  |
|       |         |      | Hp ass. | 3.2  | 3.6  | 4     | 4.4  | 4.9  | 5.3  | 5.8  | 6.2  |
|       |         |      | H mt.   |      | 72   | 71    | 69   | 67   | 65.6 | 63   | 59   |
|       |         | 1750 | H feet  |      | 240  | 237   | 230  | 223  | 219  | 210  | 197  |
|       |         |      | Hp ass. |      | 6.2  | 7.1   | 7.6  | 8.4  | 9.2  | 9.3  | 10.2 |
|       |         |      | H mt.   |      | 88   | 87.8  | 87   | 85   | 83   | 80   | 77   |
|       |         | 2000 | H feet  |      | 293  | 293   | 290  | 283  | 277  | 267  | 257  |
|       |         |      | Hp ass. |      | 8.3  | 9.2   | 9.8  | 10.6 | 12   | 12.9 | 13.3 |
| H mt. |         |      | 113     | 112  | 110  | 108   | 106  | 103  | 99.5 |      |      |
| 2200  | H feet  |      | 377     | 373  | 367  | 360   | 353  | 343  | 332  |      |      |
|       | Hp ass. |      | 11.5    | 12.9 | 13.7 | 15    | 16   | 16.9 | 17.7 |      |      |
|       | H mt.   |      |         | 132  | 131  | 130   | 129  | 126  | 125  |      |      |
| 2400  | H feet  |      |         | 440  | 437  | 433   | 430  | 420  | 417  |      |      |
|       | Hp ass. |      |         | 16   | 17.8 | 19.1  | 20.4 | 21.6 | 23.1 |      |      |
|       | H mt.   |      |         | 153  | 152  | 151.6 | 149  | 147  | 144  |      |      |
| 2600  | H feet  |      |         | 510  | 507  | 505   | 497  | 490  | 480  |      |      |
|       | Hp ass. |      |         | 18.6 | 21.3 | 22.6  | 24   | 25.3 | 26.2 |      |      |
|       | H mt.   |      |         |      |      | 180   | 177  | 175  | 172  |      |      |
| 2900  | H feet  |      |         |      |      | 600   | 590  | 583  | 573  |      |      |
|       | Hp ass. |      |         |      |      | 28.5  | 30.5 | 31.8 | 33   |      |      |
|       | H mt.   |      |         |      |      |       |      | 288  | 286  |      |      |
| 3500  | H feet  |      |         |      |      |       |      | 960  | 953  |      |      |
|       | Hp ass. |      |         |      |      |       |      | 49.6 | 53.2 |      |      |

| Tipo Type                                |         | CS-P653E2S    |         |       |      |     |     |      |      |      |     | Tipo Type                              |      | CS-P653E2BRX |  |  |  |  |  |  |  |  |  |
|--|---------|---------------|---------|-------|------|-----|-----|------|------|------|-----|--|------|--------------|--|--|--|--|--|--|--|--|--|
| Girante Prim. - Prim. Impeller: ø 230 mm |         |               |         |       |      |     |     |      |      |      |     | Girante Sec. - Sec. Impeller: ø 205 mm |      |              |  |  |  |  |  |  |  |  |  |
| Apertura - Opening: 9 mm                 |         |               |         |       |      |     |     |      |      |      |     | Apertura - Opening: 12 mm              |      |              |  |  |  |  |  |  |  |  |  |
| Bocche pompa                             |         | Giri pompa/1' |         | m3/h  |      | 27  | 30  | 36   | 42   | 48   | 54  | 63                                     | 72   |              |  |  |  |  |  |  |  |  |  |
|  |         | RPM           |         | G/min |      | 120 | 134 | 160  | 187  | 214  | 240 | 280                                    | 320  |              |  |  |  |  |  |  |  |  |  |
| DNa                                      | DNm     |               |         | l/1'  |      | 450 | 500 | 600  | 700  | 800  | 900 | 1050                                   | 1200 |              |  |  |  |  |  |  |  |  |  |
| 80 mm                                    | 65 mm   | 1450          | H mt.   | 45    | 44   | 42  | 38  | 34   | 29   | 20   |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  |         |               | H feet  | 150   | 147  | 140 | 127 | 113  | 97   | 67   |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  |         |               | Hp ass. | 8     | 8.5  | 9   | 10  | 11   | 11.5 | 12   |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  |         | 1750          | H mt.   | 66    | 65   | 63  | 60  | 56   | 52   | 44   |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  |         |               | H feet  | 220   | 217  | 210 | 200 | 187  | 173  | 147  |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  |         |               | Hp ass. | 13    | 13.5 | 15  | 16  | 17.5 | 18   | 19.5 |     |  |      |              |  |  |  |  |  |  |  |  |  |
| 2000                                     | H mt.   |               | 87      | 85    | 83   | 80  | 75  | 68   | 59   |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  | H feet  |               | 290     | 283   | 277  | 267 | 250 | 227  | 197  |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  | Hp ass. |               | 18      | 20    | 22   | 23  | 25  | 26   | 28   |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
| 2200                                     | H mt.   |               | 106     | 105   | 103  | 100 | 96  | 90   | 81   |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  | H feet  |               | 353     | 350   | 343  | 333 | 320 | 300  | 270  |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  | Hp ass. |               | 23      | 25    | 27   | 29  | 32  | 34   | 36   |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
| 2400                                     | H mt.   |               |         | 125   | 123  | 120 | 117 | 110  | 102  |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  | H feet  |               |         | 417   | 410  | 400 | 390 | 367  | 340  |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  | Hp ass. |               |         | 31    | 33   | 36  | 38  | 42   | 45   |      |     |  |      |              |  |  |  |  |  |  |  |  |  |
|  |         |               | H mt.   |       |      |     | 146 | 144  | 141  | 134  | 125 |  |      |              |  |  |  |  |  |  |  |  |  |





| DNa     | DNm     | RPM  | l/1'    | 450  | 500 | 600  | 700 | 800  | 900  | 1050 | 1200 |
|---------|---------|------|---------|------|-----|------|-----|------|------|------|------|
| 80 mm   | 65 mm   | 1450 | H mt.   | 35   | 34  | 33   | 31  | 28   | 24   | 19   |      |
|         |         |      | H feet  | 117  | 113 | 110  | 103 | 93   | 80   | 63   |      |
|         |         |      | Hp ass. | 6.5  | 7   | 8    | 8.5 | 9    | 9.5  | 10   |      |
|         |         | 1750 | H mt.   | 52.3 | 52  | 51   | 49  | 47   | 44   | 39   |      |
|         |         |      | H feet  | 174  | 173 | 170  | 163 | 157  | 147  | 130  |      |
|         |         |      | Hp ass. | 10.5 | 11  | 12   | 13  | 14   | 15   | 16   |      |
|         |         | 2000 | H mt.   |      | 69  | 67   | 66  | 64   | 61   | 56   | 50   |
|         |         |      | H feet  |      | 230 | 223  | 220 | 213  | 203  | 187  | 167  |
| Hp ass. |         |      | 15.2    | 17   | 18  | 19.5 | 21  | 22.5 | 24   |      |      |
| 2200    | H mt.   |      | 84      | 83   | 82  | 80   | 77  | 72   | 67   |      |      |
|         | H feet  |      | 280     | 277  | 273 | 267  | 257 | 240  | 223  |      |      |
|         | Hp ass. |      | 20      | 21.5 | 23  | 25   | 26  | 28   | 30.5 |      |      |
| 2400    | H mt.   |      |         | 99   | 98  | 96   | 95  | 90   | 84   |      |      |
|         | H feet  |      |         | 330  | 327 | 320  | 317 | 300  | 280  |      |      |
|         | Hp ass. |      |         | 26   | 28  | 30   | 32  | 35   | 37   |      |      |
| 2600    | H mt.   |      |         |      | 116 | 114  | 112 | 108  | 103  |      |      |
|         | H feet  |      |         |      | 387 | 380  | 373 | 360  | 343  |      |      |
|         | Hp ass. |      |         |      | 34  | 37   | 39  | 42   | 45   |      |      |
| 2900    | H mt.   |      |         |      |     | 144  | 143 | 140  | 135  |      |      |
|         | H feet  |      |         |      |     | 480  | 477 | 467  | 450  |      |      |
|         | Hp ass. |      |         |      |     | 48   | 51  | 55   | 59   |      |      |
| 3500    | H mt.   |      |         |      |     |      |     | 208  | 204  |      |      |
|         | H feet  |      |         |      |     |      |     | 693  | 680  |      |      |
|         | Hp ass. |      |         |      |     |      |     | 88   | 96   |      |      |

| Tipo Type                                |         | CS-P653A2S    |         | Tipo Type                             |     | CS-P653A2BRX |      |      |     |      |      |
|--|---------|---------------|---------|---------------------------------------|-----|--------------|------|------|-----|------|------|
| Girante Prim. - Prim. Impeller: ø 260 mm |         |               |         | Girante Sec. - Sec. Impeller: ø 205 r |     |              |      |      |     |      |      |
| Apertura - Opening: 9 mm                 |         |               |         | Apertura - Opening: 12 mm             |     |              |      |      |     |      |      |
| Bocche pompa                             |         | Giri pompa/1' | m3/h    | 27                                    | 30  | 36           | 42   | 48   | 54  | 63   | 72   |
| DNa                                      | DNm     |               | RPM     | l/1'                                  | 450 | 500          | 600  | 700  | 800 | 900  | 1050 |
| 80 mm                                    | 65 mm   | 1450          | H mt.   | 50                                    | 49  | 47           | 44   | 40   | 36  | 27   |      |
|  |         |               | H feet  | 167                                   | 163 | 157          | 147  | 133  | 120 | 90   |      |
|  |         |               | Hp ass. | 9.5                                   | 10  | 11           | 12   | 12.5 | 3.5 | 14.2 |      |
|  |         | 1750          | H mt.   | 74                                    | 73  | 72           | 70   | 66   | 62  | 56   |      |
|  |         |               | H feet  | 247                                   | 243 | 240          | 233  | 220  | 207 | 187  |      |
| Hp ass.                                  | 14.5    |               | 15      | 17                                    | 18  | 19           | 20.5 | 22.5 |     |      |      |
| 2000                                     | H mt.   |               | 96      | 95                                    | 92  | 91           | 86   | 81   | 72  |      |      |
|  | H feet  |               | 320     | 317                                   | 307 | 303          | 287  | 270  | 240 |      |      |
|  | Hp ass. |               | 21      | 22                                    | 25  | 26           | 28   | 30.5 | 33  |      |      |
| 2200                                     | H mt.   |               | 117     | 116                                   | 115 | 111          | 110  | 104  | 96  |      |      |
|  | H feet  |               | 390     | 387                                   | 383 | 370          | 367  | 347  | 320 |      |      |
|  | Hp ass. |               | 27      | 29                                    | 31  | 34           | 36   | 39   | 42  |      |      |
| 2400                                     | H mt.   |               |         | 139                                   | 138 | 136          | 133  | 128  | 120 |      |      |
|  | H feet  |               |         | 463                                   | 460 | 453          | 443  | 427  | 400 |      |      |

|      |  |         |  |  |    |     |     |     |     |     |
|------|--|---------|--|--|----|-----|-----|-----|-----|-----|
|      |  | Hp ass. |  |  | 36 | 39  | 41  | 44  | 48  | 52  |
| 2600 |  | H mt.   |  |  |    | 163 | 161 | 159 | 153 | 146 |
|      |  | H feet  |  |  |    | 543 | 537 | 530 | 510 | 487 |
|      |  | Hp ass. |  |  |    | 46  | 50  | 53  | 60  | 63  |
| 2900 |  | H mt.   |  |  |    | 202 | 200 | 197 | 190 | 181 |
|      |  | H feet  |  |  |    | 673 | 667 | 657 | 633 | 603 |
|      |  | Hp ass. |  |  |    | 64  | 70  | 74  | 83  | 88  |
| 3500 |  | H mt.   |  |  |    |     |     | 296 | 292 | 288 |
|      |  | H feet  |  |  |    |     |     | 987 | 973 | 960 |
|      |  | Hp ass. |  |  |    |     |     | 116 | 120 | 136 |

|                  |                   |                  |                     |
|------------------|-------------------|------------------|---------------------|
| <b>Tipo Type</b> | <b>CS-P653B2S</b> | <b>Tipo Type</b> | <b>CS-P653B2BRX</b> |
|------------------|-------------------|------------------|---------------------|

Girante Prim. - Prim. Impeller:  $\varnothing$  250 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  205 r

Apertura - Opening: 9 mm

Apertura - Opening: 12 mm

| Bocche pompa |         | Giri pompa/1' | m3/h    | 27  | 30    | 36   | 42  | 48  | 54  | 63   | 72   |
|--------------|---------|---------------|---------|-----|-------|------|-----|-----|-----|------|------|
| DNa          | DNm     |               |         | RPM | G/min | 120  | 134 | 160 | 187 | 214  | 240  |
|              |         |               | l/1'    | 450 | 500   | 600  | 700 | 800 | 900 | 1050 | 1200 |
| 80 mm        | 65 mm   | 1450          | H mt.   | 48  | 47    | 45   | 42  | 37  | 33  | 24   |      |
|              |         |               | H feet  | 160 | 157   | 150  | 140 | 123 | 110 | 80   |      |
|              |         |               | Hp ass. | 9   | 9.5   | 10.5 | 11  | 12  | 13  | 13.6 |      |
|              |         | 1750          | H mt.   | 71  | 70    | 68   | 65  | 63  | 58  | 52   |      |
|              |         |               | H feet  | 237 | 233   | 227  | 217 | 210 | 193 | 173  |      |
|              |         |               | Hp ass. | 14  | 15    | 16   | 18  | 19  | 20  | 21   |      |
|              |         | 2000          | H mt.   |     | 92    | 91   | 89  | 86  | 83  | 76   | 68   |
|              |         |               | H feet  |     | 307   | 303  | 297 | 287 | 277 | 253  | 227  |
| Hp ass.      |         |               | 20      | 22  | 23    | 25   | 27  | 29  | 31  |      |      |
| 2200         | H mt.   |               | 113     | 112 | 111   | 108  | 106 | 99  | 91  |      |      |
|              | H feet  |               | 377     | 373 | 370   | 360  | 353 | 330 | 303 |      |      |
|              | Hp ass. |               | 26      | 28  | 30    | 32   | 34  | 37  | 40  |      |      |
| 2400         | H mt.   |               |         | 134 | 132   | 130  | 128 | 122 | 113 |      |      |
|              | H feet  |               |         | 447 | 440   | 433  | 427 | 407 | 377 |      |      |
|              | Hp ass. |               |         | 34  | 37    | 39.5 | 42  | 46  | 49  |      |      |
| 2600         | H mt.   |               |         |     | 157   | 155  | 152 | 146 | 138 |      |      |
|              | H feet  |               |         |     | 523   | 517  | 507 | 487 | 460 |      |      |
|              | Hp ass. |               |         |     | 45    | 48   | 51  | 56  | 60  |      |      |
| 2900         | H mt.   |               |         |     | 195   | 193  | 189 | 182 | 171 |      |      |
|              | H feet  |               |         |     | 650   | 643  | 630 | 607 | 570 |      |      |
|              | Hp ass. |               |         |     | 63    | 67   | 71  | 78  | 84  |      |      |
| 3500         | H mt.   |               |         |     |       |      | 284 | 280 | 272 |      |      |
|              | H feet  |               |         |     |       |      | 947 | 933 | 907 |      |      |
|              | Hp ass. |               |         |     |       |      | 112 | 120 | 128 |      |      |

|                  |                   |                  |                     |
|------------------|-------------------|------------------|---------------------|
| <b>Tipo Type</b> | <b>CS-P653C2S</b> | <b>Tipo Type</b> | <b>CS-P653C2BRX</b> |
|------------------|-------------------|------------------|---------------------|

Girante Prim. - Prim. Impeller:  $\varnothing$  240 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  205 r

Apertura - Opening: 9 mm

Apertura - Opening: 12 mm

| Bocche pompa | Giri pompa/1' | m3/h | 27 | 30 | 36 | 42 | 48 | 54 | 63 | 72 |
|--------------|---------------|------|----|----|----|----|----|----|----|----|
|--------------|---------------|------|----|----|----|----|----|----|----|----|

| DNa     | DNm     | RPM  | G/min   | 120  | 134 | 160 | 187  | 214 | 240  | 280  | 320  |
|---------|---------|------|---------|------|-----|-----|------|-----|------|------|------|
|         |         |      | l/1'    | 450  | 500 | 600 | 700  | 800 | 900  | 1050 | 1200 |
| 80 mm   | 65 mm   | 1450 | H mt.   | 47   | 46  | 43  | 40   | 36  | 25   | 22   |      |
|         |         |      | H feet  | 157  | 153 | 143 | 133  | 120 | 83   | 73   |      |
|         |         |      | Hp ass. | 9    | 9.5 | 10  | 10.5 | 11  | 12   | 13   |      |
|         |         | 1750 | H mt.   | 68.5 | 68  | 66  | 63   | 60  | 55   | 48   |      |
|         |         |      | H feet  | 228  | 227 | 220 | 210  | 200 | 183  | 160  |      |
|         |         |      | Hp ass. | 13   | 14  | 15  | 17   | 18  | 19   | 20.5 |      |
|         |         | 2000 | H mt.   |      | 90  | 88  | 86   | 83  | 80   | 72   | 64   |
|         |         |      | H feet  |      | 300 | 293 | 287  | 277 | 267  | 240  | 213  |
| Hp ass. |         |      | 19      | 21   | 23  | 24  | 25   | 27  | 30   |      |      |
| 2200    | H mt.   |      | 110     | 108  | 107 | 104 | 101  | 95  | 86   |      |      |
|         | H feet  |      | 367     | 360  | 357 | 347 | 337  | 317 | 287  |      |      |
|         | Hp ass. |      | 25      | 26   | 28  | 31  | 32   | 36  | 38   |      |      |
| 2400    | H mt.   |      |         | 129  | 128 | 125 | 122  | 117 | 108  |      |      |
|         | H feet  |      |         | 430  | 427 | 417 | 407  | 390 | 360  |      |      |
|         | Hp ass. |      |         | 33   | 35  | 38  | 41   | 44  | 47   |      |      |
| 2600    | H mt.   |      |         |      | 152 | 150 | 148  | 142 | 132  |      |      |
|         | H feet  |      |         |      | 507 | 500 | 493  | 473 | 440  |      |      |
|         | Hp ass. |      |         |      | 42  | 46  | 49   | 53  | 57.5 |      |      |
| 2900    | H mt.   |      |         |      | 189 | 186 | 184  | 176 | 164  |      |      |
|         | H feet  |      |         |      | 630 | 620 | 613  | 587 | 547  |      |      |
|         | Hp ass. |      |         |      | 58  | 64  | 70   | 74  | 80   |      |      |
| 3500    | H mt.   |      |         |      |     |     | 274  | 272 | 264  |      |      |
|         | H feet  |      |         |      |     |     | 913  | 907 | 880  |      |      |
|         | Hp ass. |      |         |      |     |     | 104  | 112 | 120  |      |      |

| Tipo Type | CS-P802I3S | Tipo Type | CS-P802I3BRX |
|-----------|------------|-----------|--------------|
|-----------|------------|-----------|--------------|

Girante Prim. - Prim. Impeller: ø 260 mm

Girante Sec. - Sec. Impeller: ø 260 mm

Apertura - Opening: 9 mm

Apertura - Opening: 14 mm

| Bocche pompa | Giri pompa/1' | m3/h  | 39      | 51   | 64   | 78   | 90   | 102  | 114  | 128  |      |
|--------------|---------------|-------|---------|------|------|------|------|------|------|------|------|
|              |               | G/min | 174     | 227  | 288  | 347  | 401  | 454  | 507  | 577  |      |
| DNa          | DNm           | RPM   | l/1'    | 650  | 850  | 1080 | 1300 | 1500 | 1700 | 1900 | 2160 |
| 100 mm       | 80 mm         | 1450  | H mt.   | 35   | 32   | 29   | 25   | 20   | 14   |      |      |
|              |               |       | H feet  | 117  | 107  | 97   | 83   | 67   | 47   |      |      |
|              |               |       | Hp ass. | 8.5  | 10   | 11.6 | 12   | 12.2 | 12.4 |      |      |
|              |               | 1750  | H mt.   | 50   | 49   | 45   | 42   | 37   | 30   | 23   |      |
|              |               |       | H feet  | 167  | 163  | 150  | 140  | 123  | 100  | 77   |      |
|              |               |       | Hp ass. | 12   | 15.4 | 18   | 20.3 | 20.5 | 20.6 | 20.8 |      |
|              |               | 2000  | H mt.   |      | 65   | 62   | 58   | 53   | 49   | 40   |      |
|              |               |       | H feet  |      | 217  | 207  | 193  | 177  | 163  | 133  |      |
| Hp ass.      |               |       | 20.4    | 24.8 | 27.9 | 29.4 | 30.8 | 31   |      |      |      |
| 2200         | H mt.         |       |         | 76   | 73   | 69   | 63   | 55   |      |      |      |
|              | H feet        |       |         | 253  | 243  | 230  | 210  | 183  |      |      |      |
|              | Hp ass.       |       |         | 30.4 | 35.2 | 38.3 | 39.7 | 39.8 |      |      |      |
|              |               | H mt. |         |      | 91   | 87   | 82   | 75   | 66   |      |      |

|  |  |      |                            |                            |  |             |                  |                    |                     |                     |                     |
|--|--|------|----------------------------|----------------------------|--|-------------|------------------|--------------------|---------------------|---------------------|---------------------|
|  |  | 2400 | H feet<br>Hp ass.          |                            |  | 303<br>36.4 | 290<br>41.9      | 273<br>45.6        | 250<br>47.2         | 220<br>47.8         |                     |
|  |  | 2600 | H mt.<br>H feet<br>Hp ass. |                            |  |             | 106<br>353<br>51 | 102<br>340<br>56.7 | 96<br>320<br>60.5   | 88<br>293<br>62     |                     |
|  |  |      | 2900                       | H mt.<br>H feet<br>Hp ass. |  |             |                  | 132<br>440<br>63.6 | 127<br>423<br>70.6  | 120<br>400<br>76    | 109<br>363<br>76.7  |
|  |  | 3500 |                            | H mt.<br>H feet<br>Hp ass. |  |             |                  | 200<br>667<br>96   | 198<br>660<br>109.6 | 196<br>653<br>123.2 | 188<br>627<br>133.6 |

|                             |                               |
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| <b>Tipo Type CS-P802H3S</b> | <b>Tipo Type CS-P802H3BRX</b> |
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Girante Prim. - Prim. Impeller:  $\varnothing$  275 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  260 mm

Apertura - Opening: 9 mm

Apertura - Opening: 14 mm

| Bocche pompa |         | Giri pompa/1' | m3/h    | 42   | 57    | 70   | 84    | 96    | 111   | 120  | 140  |     |
|--------------|---------|---------------|---------|------|-------|------|-------|-------|-------|------|------|-----|
| DNa          | DNm     |               |         |      |       |      |       |       |       |      |      | RPM |
|              |         |               | l/1'    | 700  | 950   | 1170 | 1400  | 1600  | 1850  | 2000 | 1340 |     |
| 100 mm       | 80 mm   | 1450          | H mt.   | 41   | 37    | 34   | 29    | 24    | 17    |      |      |     |
|              |         |               | H feet  | 137  | 123   | 113  | 97    | 80    | 57    |      |      |     |
|              |         |               | Hp ass. | 11   | 13    | 15   | 15.1  | 15.6  | 15.8  |      |      |     |
|              |         | 1750          | H mt.   | 60   | 58    | 54   | 49    | 43    | 35    | 31   |      |     |
|              |         |               | H feet  | 200  | 193   | 180  | 163   | 143   | 117   | 103  |      |     |
|              |         |               | Hp ass. | 15.6 | 20.4  | 23.4 | 25.4  | 25.5  | 26    | 26.8 |      |     |
|              |         | 2000          | H mt.   |      | 76    | 73   | 68    | 63    | 58    | 48   |      |     |
|              |         |               | H feet  |      | 253   | 243  | 227   | 210   | 193   | 160  |      |     |
| Hp ass.      |         |               | 26.7    | 31.6 | 32.3  | 37.3 | 39.7  | 39.9  |       |      |      |     |
| 2200         | H mt.   |               |         | 90   | 87    | 82   | 75    | 65    |       |      |      |     |
|              | H feet  |               |         | 300  | 290   | 273  | 250   | 217   |       |      |      |     |
|              | Hp ass. |               |         | 39   | 45.2  | 48.6 | 51.4  | 52    |       |      |      |     |
| 2400         | H mt.   |               |         | 107  | 103   | 97   | 88    | 78    |       |      |      |     |
|              | H feet  |               |         | 357  | 343   | 323  | 293   | 260   |       |      |      |     |
|              | Hp ass. |               |         | 46.4 | 53.4  | 57.4 | 60.3  | 61    |       |      |      |     |
| 2600         | H mt.   |               |         |      | 125   | 121  | 114   | 104   |       |      |      |     |
|              | H feet  |               |         |      | 417   | 403  | 380   | 347   |       |      |      |     |
|              | Hp ass. |               |         |      | 65    | 72   | 78    | 78.5  |       |      |      |     |
| 2900         | H mt.   |               |         |      | 156   | 150  | 141   | 129   |       |      |      |     |
|              | H feet  |               |         |      | 520   | 500  | 470   | 430   |       |      |      |     |
|              | Hp ass. |               |         |      | 81    | 89   | 96.6  | 96.8  |       |      |      |     |
| 3500         | H mt.   |               |         |      | 240   | 116  | 232   | 166   | 216   |      |      |     |
|              | H feet  |               |         |      | 800   | 387  | 773   | 553   | 720   |      |      |     |
|              | Hp ass. |               |         |      | 124.8 | 81.6 | 163.2 | 134.4 | 187.2 |      |      |     |

|                             |                               |
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| <b>Tipo Type CS-P802A3S</b> | <b>Tipo Type CS-P802A3BRX</b> |
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Girante Prim. - Prim. Impeller:  $\varnothing$  330 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  260 mm

Apertura - Opening: 9 mm

Apertura - Opening: 14 mm

| Bocche pompa |       | Giri pompa/1' | m3/h    | 45  | 60    | 75  | 90   | 105  | 120  | 130  |      |      |  |
|--------------|-------|---------------|---------|-----|-------|-----|------|------|------|------|------|------|--|
| DNa          | DNm   |               |         | RPM | G/min | 200 | 267  | 334  | 401  | 467  | 534  | 614  |  |
|              |       |               |         |     | l/1'  | 750 | 1000 | 1250 | 1500 | 1750 | 2000 | 2300 |  |
| 100 mm       | 80 mm | 1450          | H mt.   | 56  | 53    | 50  | 45   | 40   | 33   | 23   |      |      |  |
|              |       |               | H feet  | 187 | 177   | 167 | 150  | 133  | 110  | 77   |      |      |  |
|              |       |               | Hp ass. | 18  | 20.5  | 23  | 25   | 26   | 28   | 29   |      |      |  |
|              |       | 1750          | H mt.   | 84  | 81    | 78  | 73   | 68   | 61   | 52   |      |      |  |
|              |       |               | H feet  | 280 | 270   | 260 | 243  | 227  | 203  | 173  |      |      |  |
|              |       |               | Hp ass. | 28  | 32.5  | 36  | 39   | 42   | 44   | 47   |      |      |  |
|              |       | 2000          | H mt.   |     | 108   | 104 | 100  | 96   | 88   | 79   |      |      |  |
|              |       |               | H feet  |     | 360   | 347 | 333  | 320  | 293  | 263  |      |      |  |
|              |       |               | Hp ass. |     | 46    | 50  | 54   | 58   | 62   | 65   |      |      |  |
|              |       | 2200          | H mt.   |     |       | 128 | 124  | 119  | 113  | 104  |      |      |  |
|              |       |               | H feet  |     |       | 427 | 413  | 397  | 377  | 347  |      |      |  |
|              |       |               | Hp ass. |     |       | 64  | 69   | 73   | 78   | 82   |      |      |  |
|              |       | 2400          | H mt.   |     |       | 152 | 147  | 141  | 134  | 123  |      |      |  |
|              |       |               | H feet  |     |       | 507 | 490  | 470  | 447  | 410  |      |      |  |
|              |       |               | Hp ass. |     |       | 83  | 89.5 | 94.7 | 101  | 106  |      |      |  |

| Tipo Type <b>CS-P1004CS</b> |  |  |  | Tipo Type <b>CS-P1004CBRX</b> |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|-------------------------------|--|--|--|--|--|--|--|
|-----------------------------|--|--|--|-------------------------------|--|--|--|--|--|--|--|

Girante Prim. - Prim. Impeller: ø 380 mm

Girante Sec. - Sec. Impeller: ø 330 r

Apertura - Opening: 14 mm

Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 42  | 84    | 96   | 108  | 120  | 135  | 150  | 165  |      |      |
|--------------|--------|---------------|---------|-----|-------|------|------|------|------|------|------|------|------|
| DNa          | DNm    |               |         | RPM | G/min | 320  | 374  | 427  | 481  | 534  | 601  | 668  | 734  |
|              |        |               |         |     | l/1'  | 1200 | 1400 | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm       | 100 mm | 1450          | H mt.   | 147 | 144   | 142  | 139  | 135  | 132  | 129  | 126  |      |      |
|              |        |               | H feet  | 490 | 480   | 473  | 463  | 450  | 440  | 430  | 420  |      |      |
|              |        |               | Hp ass. | 68  | 74    | 81   | 87   | 92   | 95   | 99   | 101  |      |      |
|              |        | 1750          | H mt.   |     | 212   | 208  | 205  | 202  | 197  | 192  | 187  |      |      |
|              |        |               | H feet  |     | 707   | 693  | 683  | 673  | 657  | 640  | 623  |      |      |
|              |        |               | Hp ass. |     | 116   | 120  | 130  | 140  | 150  | 160  | 166  |      |      |

| Tipo Type <b>CS-P1002AS</b> |  |  |  | Tipo Type <b>CS-P1002ABRX</b> |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|-------------------------------|--|--|--|--|--|--|--|
|-----------------------------|--|--|--|-------------------------------|--|--|--|--|--|--|--|

Girante Prim. - Prim. Impeller: ø 419 mm

Girante Sec. - Sec. Impeller: ø 330 r

Apertura - Opening: 14 mm

Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 72  | 84    | 96   | 108  | 120  | 135  | 150  | 165  |      |      |
|--------------|--------|---------------|---------|-----|-------|------|------|------|------|------|------|------|------|
| DNa          | DNm    |               |         | RPM | G/min | 320  | 374  | 427  | 481  | 534  | 601  | 668  | 734  |
|              |        |               |         |     | l/1'  | 1200 | 1400 | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm       | 100 mm | 1450          | H mt.   | 94  | 93    | 91.5 | 90   | 89   | 87   | 85   | 82   |      |      |
|              |        |               | H feet  | 313 | 310   | 305  | 300  | 297  | 290  | 283  | 273  |      |      |
|              |        |               | Hp ass. | 45  | 48    | 52   | 56   | 60   | 64   | 68   | 70   |      |      |
|              |        | 1750          | H mt.   |     |       | 135  | 133  | 131  | 128  | 126  | 123  |      |      |
|              |        |               | H feet  |     |       | 450  | 443  | 437  | 427  | 420  | 410  |      |      |
|              |        |               | Hp ass. |     |       | 79   | 92   | 92   | 98   | 104  | 109  |      |      |
|              |        | 2000          | H mt.   |     |       | 175  | 173  | 171  | 170  | 168  | 165  |      |      |
|              |        |               | H feet  |     |       | 583  | 577  | 570  | 567  | 560  | 550  |      |      |

|  |  |  |         |  |  |     |     |     |     |     |     |
|--|--|--|---------|--|--|-----|-----|-----|-----|-----|-----|
|  |  |  | Hp ass. |  |  | 115 | 120 | 126 | 136 | 141 | 151 |
|--|--|--|---------|--|--|-----|-----|-----|-----|-----|-----|

|                             |  |  |  |                              |  |  |  |  |  |  |  |
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| <b>Tipo Type CS-P1002BS</b> |  |  |  | <b>Tipo Type CS-P1002BRX</b> |  |  |  |  |  |  |  |
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Girante Prim. - Prim. Impeller:  $\varnothing$  400 mm  
40.05340454

Girante Sec. - Sec. Impeller:  $\varnothing$  330 r  
Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 72   | 84    | 96   | 108  | 120  | 135  | 150  | 165  |
|--------------|--------|---------------|---------|------|-------|------|------|------|------|------|------|
| DNa          | DNm    |               |         | RPM  | G/min | 320  | 374  | 427  | 481  | 534  | 601  |
|              |        | RPM           | l/1'    | 1200 | 1400  | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm       | 100 mm | 1450          | H mt.   | 89   | 88    | 87   | 86   | 84   | 82   | 81   | 78   |
|              |        |               | H feet  | 297  | 293   | 290  | 287  | 280  | 273  | 270  | 260  |
|              |        |               | Hp ass. | 37.5 | 45    | 49.5 | 53.5 | 57   | 60   | 65   | 67   |
|              |        | 1750          | H mt.   |      |       | 128  | 127  | 125  | 122  | 120  | 117  |
|              |        |               | H feet  |      |       | 427  | 423  | 417  | 407  | 400  | 390  |
|              |        |               | Hp ass. |      |       | 75   | 80   | 88   | 93   | 95   | 104  |
|              |        | 2000          | H mt.   |      |       | 166  | 165  | 163  | 162  | 160  | 157  |
|              |        |               | H feet  |      |       | 553  | 550  | 543  | 540  | 533  | 523  |
|              |        |               | Hp ass. |      |       | 109  | 114  | 120  | 130  | 134  | 143  |

|                             |  |  |  |                              |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|------------------------------|--|--|--|--|--|--|--|
| <b>Tipo Type CS-P1002CS</b> |  |  |  | <b>Tipo Type CS-P1002BRX</b> |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|------------------------------|--|--|--|--|--|--|--|

Girante Prim. - Prim. Impeller:  $\varnothing$  380 mm  
Apertura - Opening: 14 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  330 r  
Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 72   | 84    | 96   | 108  | 120  | 135  | 150   | 165  |
|--------------|--------|---------------|---------|------|-------|------|------|------|------|-------|------|
| DNa          | DNm    |               |         | RPM  | G/min | 320  | 374  | 427  | 481  | 534   | 601  |
|              |        | RPM           | l/1'    | 1200 | 1400  | 1600 | 1800 | 2000 | 2250 | 2500  | 2750 |
| 300 mm       | 250 mm | 1450          | H mt.   | 85   | 84    | 82   | 81   | 80   | 78   | 77    | 74   |
|              |        |               | H feet  | 283  | 280   | 273  | 270  | 267  | 260  | 257   | 247  |
|              |        |               | Hp ass. | 40.5 | 43    | 47   | 50   | 54   | 57   | 61.5  | 63   |
|              |        | 1750          | H mt.   |      |       | 116  | 115  | 113  | 110  | 108   | 106  |
|              |        |               | H feet  |      |       | 387  | 383  | 377  | 367  | 360   | 353  |
|              |        |               | Hp ass. |      |       | 68   | 73   | 79   | 84   | 89    | 94   |
|              |        | 2000          | H mt.   |      |       | 150  | 149  | 147  | 146  | 145   | 142  |
|              |        |               | H feet  |      |       | 500  | 497  | 490  | 487  | 483   | 473  |
|              |        |               | Hp ass. |      |       | 98   | 103  | 108  | 117  | 121.5 | 130  |

|                             |  |  |  |                              |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|------------------------------|--|--|--|--|--|--|--|
| <b>Tipo Type CS-P1003AS</b> |  |  |  | <b>Tipo Type CS-P1003BRX</b> |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|------------------------------|--|--|--|--|--|--|--|

Girante Prim. - Prim. Impeller:  $\varnothing$  419 mm  
Apertura - Opening: 14 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  330 r  
Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 72   | 84    | 96   | 108  | 120  | 135  | 150  | 165  |
|--------------|--------|---------------|---------|------|-------|------|------|------|------|------|------|
| DNa          | DNm    |               |         | RPM  | G/min | 320  | 374  | 427  | 481  | 534  | 601  |
|              |        | RPM           | l/1'    | 1200 | 1400  | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm       | 100 mm | 1450          | H mt.   | 129  | 127   | 125  | 123  | 121  | 118  | 116  | 113  |
|              |        |               | H feet  | 430  | 423   | 417  | 410  | 403  | 393  | 387  | 377  |
|              |        |               | Hp ass. | 60   | 66.0. | 71   | 76   | 81   | 87   | 90   | 93   |
|              |        | 1750          | H mt.   | 187  | 186   | 182  | 181  | 180  | 176  | 172  | 169  |
|              |        |               | H feet  | 623  | 620   | 607  | 603  | 600  | 587  | 573  | 563  |

|  |  |  |         |    |     |     |     |     |     |     |     |
|--|--|--|---------|----|-----|-----|-----|-----|-----|-----|-----|
|  |  |  | Hp ass. | 98 | 102 | 107 | 115 | 123 | 132 | 142 | 150 |
|--|--|--|---------|----|-----|-----|-----|-----|-----|-----|-----|

|                  |                   |  |  |  |  |                  |                     |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|
| <b>Tipo Type</b> | <b>CS-P1003BS</b> |  |  |  |  | <b>Tipo Type</b> | <b>CS-P1003BBRX</b> |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|

Girante Prim. - Prim. Impeller:  $\varnothing$  400 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  330 r

Apertura - Opening: 14 mm

Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 72   | 84    | 96   | 108  | 120  | 135  | 150  | 165  |
|--------------|--------|---------------|---------|------|-------|------|------|------|------|------|------|
| DNa          | DNm    |               |         | RPM  | G/min | 320  | 374  | 427  | 481  | 534  | 601  |
|              |        | RPM           | l/1'    | 1200 | 1400  | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm       | 100 mm | 1450          | H mt.   | 124  | 122   | 120  | 118  | 116  | 113  | 111  | 108  |
|              |        |               | H feet  | 413  | 407   | 400  | 393  | 387  | 377  | 370  | 360  |
|              |        |               | Hp ass. | 57.5 | 63    | 68   | 73   | 77   | 83   | 86   | 89   |
|              |        | 1750          | H mt.   | 179  | 178   | 174  | 173  | 172  | 168  | 165  | 162  |
|              |        |               | H feet  | 597  | 593   | 580  | 577  | 573  | 560  | 550  | 540  |
|              |        |               | Hp ass. | 94   | 98    | 102  | 110  | 117  | 126  | 136  | 144  |

|                  |                   |  |  |  |  |                  |                     |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|
| <b>Tipo Type</b> | <b>CS-P1003CS</b> |  |  |  |  | <b>Tipo Type</b> | <b>CS-P1003CBRX</b> |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|

Girante Prim. - Prim. Impeller:  $\varnothing$  380 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  330 r

Apertura - Opening: 14 mm

Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 72    | 84    | 96   | 108  | 120  | 135  | 150  | 165  |
|--------------|--------|---------------|---------|-------|-------|------|------|------|------|------|------|
| DNa          | DNm    |               |         | RPM   | G/min | 320  | 374  | 427  | 481  | 534  | 601  |
|              |        | RPM           | l/1'    | 1200  | 1400  | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm       | 100 mm | 1450          | H mt.   | 118.5 | 118   | 115  | 113  | 110  | 107  | 103  | 99   |
|              |        |               | H feet  | 395   | 393   | 383  | 377  | 367  | 357  | 343  | 330  |
|              |        |               | Hp ass. | 55    | 61    | 65   | 69   | 73   | 77   | 80   | 85   |
|              |        | 1750          | H mt.   | 175   | 173   | 168  | 166  | 164  | 160  | 155  | 152  |
|              |        |               | H feet  | 583   | 577   | 560  | 553  | 547  | 533  | 517  | 507  |
|              |        |               | Hp ass. | 90    | 95    | 98   | 104  | 112  | 119  | 126  | 132  |

|                  |                   |  |  |  |  |                  |                     |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|
| <b>Tipo Type</b> | <b>CS-P1003DS</b> |  |  |  |  | <b>Tipo Type</b> | <b>CS-P1003DBRX</b> |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|

Girante Prim. - Prim. Impeller:  $\varnothing$  360 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  330 r

Apertura - Opening: 14 mm

Apertura - Opening: 15 mm

| Bocche pompa |        | Giri pompa/1' | m3/h    | 72   | 84    | 96   | 108  | 120  | 135  | 150  | 165  |
|--------------|--------|---------------|---------|------|-------|------|------|------|------|------|------|
| DNa          | DNm    |               |         | RPM  | G/min | 320  | 374  | 427  | 481  | 534  | 601  |
|              |        | RPM           | l/1'    | 1200 | 1400  | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm       | 100 mm | 1450          | H mt.   | 113  | 112   | 110  | 108  | 106  | 104  | 100  | 95   |
|              |        |               | H feet  | 377  | 373   | 367  | 360  | 353  | 347  | 333  | 317  |
|              |        |               | Hp ass. | 52   | 58    | 62   | 65   | 71   | 76   | 77   | 78   |
|              |        | 1750          | H mt.   | 164  | 163   | 160  | 159  | 158  | 155  | 151  | 149  |
|              |        |               | H feet  | 547  | 543   | 533  | 530  | 527  | 517  | 503  | 497  |
|              |        |               | Hp ass. | 86   | 89    | 94   | 101  | 107  | 116  | 124  | 130  |

|                  |                   |  |  |  |  |                  |                     |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|
| <b>Tipo Type</b> | <b>CS-P1004BS</b> |  |  |  |  | <b>Tipo Type</b> | <b>CS-P1004BBRX</b> |  |  |  |  |
|------------------|-------------------|--|--|--|--|------------------|---------------------|--|--|--|--|

Girante Prim. - Prim. Impeller:  $\varnothing$  400 mm

Girante Sec. - Sec. Impeller:  $\varnothing$  330 r

Apertura - Opening: 14 mm

Apertura - Opening: 15 mm

| Bocche pompa |     | Giri pompa/1' | m3/h | 72   | 84    | 96   | 108  | 120  | 135  | 150  | 165  |
|--------------|-----|---------------|------|------|-------|------|------|------|------|------|------|
| DNa          | DNm |               |      | RPM  | G/min | 320  | 374  | 427  | 481  | 534  | 601  |
|              |     | RPM           | l/1' | 1200 | 1400  | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |



| DNa    | DNm    | RPM  | G/min   | 320  | 374  | 427  | 481  | 534  | 601  | 668  | 734  |
|--------|--------|------|---------|------|------|------|------|------|------|------|------|
|        |        |      | l/1'    | 1200 | 1400 | 1600 | 1800 | 2000 | 2250 | 2500 | 2750 |
| 125 mm | 100 mm | 1450 | H mt.   | 155  | 152  | 149  | 146  | 142  | 139  | 136  | 133  |
|        |        |      | H feet  | 517  | 507  | 497  | 487  | 473  | 463  | 453  | 443  |
|        |        |      | Hp ass. | 72   | 78.5 | 86   | 92   | 98   | 102  | 106  | 110  |
|        |        | 1750 | H mt.   |      | 223  | 219  | 216  | 212  | 207  | 202  | 197  |
|        |        |      | H feet  |      | 743  | 730  | 720  | 707  | 690  | 673  | 657  |
|        |        |      | Hp ass. |      | 122  | 126  | 136  | 146  | 157  | 168  | 175  |

**Tipo Type**

**CS-P1503IRS**

| Bocche pompa |        | Giri pompa/1' | m3/h    | 90    | 120  | 150   | 180   | 210   | 225     | 240   | 255   |
|--------------|--------|---------------|---------|-------|------|-------|-------|-------|---------|-------|-------|
| DNa          | DNm    |               | RPM     | G/min | 401  | 534   | 668   | 801   | 935     | 1,001 | 1,068 |
|              |        |               |         | l/1'  | 1500 | 2000  | 2500  | 3000  | 3500    | 3750  | 4000  |
| 150 mm       | 125 mm | 1450          | H mt.   | 112   | 111  | 108   | 105   | 99    | 95      | 90.5  | 84    |
|              |        |               | H feet  | 373   | 370  | 360   | 350   | 330   | 317     | 302   | 280   |
|              |        |               | Hp ass. | 65.5  | 75.5 | 86    | 96    | 106   | 111     | 114   | 118   |
|              |        | 1600          | H mt.   |       | 136  | 134   | 132   | 128   | 124     | 118   | 111   |
|              |        |               | H feet  |       | 453  | 447   | 440   | 427   | 413     | 393   | 370   |
|              |        |               | Hp ass. |       | 94.6 | 106   | 119   | 131   | 137     | 142   | 147   |
|              |        | 1750          | H mt.   |       |      | 159.8 | 155.5 | 151.2 | 149.05  | 146.9 | 142.6 |
|              |        |               | H feet  |       |      | 533   | 518   | 504   | 497     | 490   | 475   |
|              |        |               | Hp ass. |       |      | 130.5 | 148.6 | 165.9 | 170.194 | 174.5 | 183.2 |

**Tipo Type**

**CS-P1503ERS**

| Bocche pompa |        | Giri pompa/1' | m3/h    | 90    | 120  | 150   | 180   | 210   | 225    | 240    | 255   |
|--------------|--------|---------------|---------|-------|------|-------|-------|-------|--------|--------|-------|
| DNa          | DNm    |               | RPM     | G/min | 401  | 534   | 668   | 801   | 935    | 1,001  | 1,068 |
|              |        |               |         | l/1'  | 1500 | 2000  | 2500  | 3000  | 3500   | 3750   | 4000  |
| 150 mm       | 125 mm | 1450          | H mt.   | 136   | 134  | 133   | 130   | 127   | 125    | 122    | 119   |
|              |        |               | H feet  | 453   | 447  | 443   | 433   | 423   | 417    | 407    | 397   |
|              |        |               | Hp ass. | 79    | 91   | 103   | 115   | 128   | 134    | 139    | 147   |
|              |        | 1600          | H mt.   |       | 166  | 164   | 161   | 157   |        |        |       |
|              |        |               | H feet  |       | 553  | 547   | 537   | 523   |        |        |       |
|              |        |               | Hp ass. |       | 120  | 131   | 151   | 166   |        |        |       |
|              |        | 1750          | H mt.   |       |      | 193   | 191.5 | 187.2 | 186.12 | 185.04 | 182.9 |
|              |        |               | H feet  |       |      | 643   | 638   | 624   | 620    | 617    | 610   |
|              |        |               | Hp ass. |       |      | 157.2 | 178   | 198.7 | 203.9  | 209.1  | 221.2 |

**Tipo Type**

**CS-P1503GRS**

| Bocche pompa |     | Giri pompa/1' | m3/h | 90    | 120  | 150  | 180  | 210  | 225  | 240   | 255   |
|--------------|-----|---------------|------|-------|------|------|------|------|------|-------|-------|
| DNa          | DNm |               | RPM  | G/min | 401  | 534  | 668  | 801  | 935  | 1,001 | 1,068 |
|              |     |               |      | l/1'  | 1500 | 2000 | 2500 | 3000 | 3500 | 3750  | 4000  |

|        |        |      |         |     |     |       |       |       |        |       |       |
|--------|--------|------|---------|-----|-----|-------|-------|-------|--------|-------|-------|
| 150 mm | 125 mm | 1450 | H mt.   | 124 | 122 | 120   | 117   | 113   | 110    | 106   | 101   |
|        |        |      | H feet  | 413 | 407 | 400   | 390   | 377   | 367    | 353   | 337   |
|        |        |      | Hp ass. | 73  | 84  | 95    | 107   | 118   | 123    | 128   | 134   |
|        |        | 1600 | H mt.   | 149 | 147 | 144   | 140   | 138   | 133    |       |       |
|        |        |      | H feet  | 497 | 490 | 480   | 467   | 460   | 443    |       |       |
|        |        |      | Hp ass. | 108 | 121 | 137   | 149   | 155   | 161    |       |       |
|        |        | 1750 | H mt.   |     |     | 175.7 | 172.8 | 168.5 | 172.09 | 175.7 | 162.7 |
|        |        |      | H feet  |     |     | 586   | 576   | 562   | 574    | 586   | 542   |
|        |        |      | Hp ass. |     |     | 145.2 | 164.2 | 184.9 | 193.5  | 202.2 | 203.9 |

**Tipo Type**

**CS-P1502MRS**

| Bocche pompa |        | Giri pompa/1' | m3/h    | 90   | 120   | 150  | 180  | 210  | 225  | 240  | 255   |
|--------------|--------|---------------|---------|------|-------|------|------|------|------|------|-------|
| DNa          | DNm    |               |         | RPM  | G/min | 401  | 534  | 668  | 801  | 935  | 1,001 |
|              |        |               | l/1'    | 1500 | 2000  | 2500 | 3000 | 3500 | 3750 | 4000 | 4250  |
| 150 mm       | 125 mm | 1450          | H mt.   | 67   | 66    | 64   | 62   | 57   | 54   | 51   | 46    |
|              |        |               | H feet  | 223  | 220   | 213  | 207  | 190  | 180  | 170  | 153   |
|              |        |               | Hp ass. | 37   | 43    | 49   | 54   | 50   | 61   | 63   | 65    |
|              |        | 1600          | H mt.   |      | 79    | 77   | 75   | 71   | 68   | 65   | 61    |
|              |        |               | H feet  |      | 263   | 257  | 250  | 237  | 227  | 217  | 203   |
|              |        |               | Hp ass. |      | 54    | 61   | 69   | 76   | 78   | 81   | 83    |
|              |        | 1800          | H mt.   |      | 102   | 100  | 98   | 95   | 93   | 90   | 86    |
|              |        |               | H feet  |      | 340   | 333  | 327  | 317  | 310  | 300  | 287   |
|              |        |               | Hp ass. |      | 73    | 82   | 91   | 100  | 105  | 109  | 112   |

**Tipo Type**

**CS-P1502GRS**

| Bocche pompa |        | Giri pompa/1' | m3/h    | 120  | 150   | 180  | 210  | 225  | 240  | 255   | 270   |
|--------------|--------|---------------|---------|------|-------|------|------|------|------|-------|-------|
| DNa          | DNm    |               |         | RPM  | G/min | 534  | 668  | 801  | 935  | 1,001 | 1,068 |
|              |        |               | l/1'    | 2000 | 2500  | 3000 | 3500 | 3750 | 4000 | 4250  | 4500  |
| 150 mm       | 125 mm | 1450          | H mt.   | 86   | 85    | 83   | 80   | 78   | 75   | 71    | 66    |
|              |        |               | H feet  | 287  | 283   | 277  | 267  | 260  | 250  | 237   | 220   |
|              |        |               | Hp ass. | 60   | 68    | 76   | 84   | 87   | 90   | 93    | 95    |
|              |        | 1600          | H mt.   | 105  | 104   | 102  | 99   | 97   | 95   | 92    | 89    |
|              |        |               | H feet  | 350  | 347   | 340  | 330  | 323  | 317  | 307   | 297   |
|              |        |               | Hp ass. | 78   | 87    | 97   | 106  | 110  | 114  | 118   | 121   |
|              |        | 1800          | H mt.   | 133  | 132   | 130  | 128  | 126  | 124  | 122   | 119   |
|              |        |               | H feet  | 443  | 440   | 433  | 427  | 420  | 413  | 407   | 397   |
|              |        |               | Hp ass. | 104  | 115   | 128  | 140  | 146  | 153  | 159   | 164   |



|                  |                   |
|------------------|-------------------|
| <b>Tipo Type</b> | <b>CS-P352TBX</b> |
|------------------|-------------------|

|                     |                     |     |  |  |  |  |  |
|---------------------|---------------------|-----|--|--|--|--|--|
| 36                  | 42                  | 48  |  |  |  |  |  |
| 160                 | 187                 | 214 |  |  |  |  |  |
| 600                 | 700                 | 800 |  |  |  |  |  |
|                     |                     |     |  |  |  |  |  |
|                     |                     |     |  |  |  |  |  |
| 16<br>53<br>3.3     |                     |     |  |  |  |  |  |
| 19.2<br>64<br>4.2   |                     |     |  |  |  |  |  |
| 22.5<br>75<br>5.3   |                     |     |  |  |  |  |  |
| 27<br>90<br>6.8     |                     |     |  |  |  |  |  |
| 30<br>100<br>8.2    |                     |     |  |  |  |  |  |
| 54.4<br>181<br>12.1 | 47.8<br>159<br>12.9 |     |  |  |  |  |  |

|                  |                   |
|------------------|-------------------|
| <b>Tipo Type</b> | <b>CS-P353TBX</b> |
|------------------|-------------------|

|     |     |     |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|
| 36  | 42  | 48  |  |  |  |  |  |
| 160 | 187 | 214 |  |  |  |  |  |
| 600 | 700 | 800 |  |  |  |  |  |

|                     |                     |  |  |  |  |  |  |
|---------------------|---------------------|--|--|--|--|--|--|
|                     |                     |  |  |  |  |  |  |
|                     |                     |  |  |  |  |  |  |
| 24<br>80<br>3.7     |                     |  |  |  |  |  |  |
| 28.8<br>96<br>4.7   |                     |  |  |  |  |  |  |
| 33.8<br>113<br>6    |                     |  |  |  |  |  |  |
| 40<br>133<br>7.2    |                     |  |  |  |  |  |  |
| 45<br>150<br>9.2    |                     |  |  |  |  |  |  |
| 70.9<br>236<br>12.9 | 65.8<br>219<br>14.5 |  |  |  |  |  |  |

|                  |                   |
|------------------|-------------------|
| <b>Tipo Type</b> | <b>CS-P354TBX</b> |
|------------------|-------------------|

|                    |     |     |  |  |  |  |  |
|--------------------|-----|-----|--|--|--|--|--|
| 36                 | 42  | 48  |  |  |  |  |  |
| 160                | 187 | 214 |  |  |  |  |  |
| 600                | 700 | 800 |  |  |  |  |  |
|                    |     |     |  |  |  |  |  |
|                    |     |     |  |  |  |  |  |
| 26.4<br>88<br>4.6  |     |     |  |  |  |  |  |
| 31.3<br>104<br>5.9 |     |     |  |  |  |  |  |
| 36.7<br>122<br>7.5 |     |     |  |  |  |  |  |

|      |      |  |  |  |  |  |  |
|------|------|--|--|--|--|--|--|
| 43   |      |  |  |  |  |  |  |
| 143  |      |  |  |  |  |  |  |
| 9.8  |      |  |  |  |  |  |  |
| 49   |      |  |  |  |  |  |  |
| 163  |      |  |  |  |  |  |  |
| 11.6 |      |  |  |  |  |  |  |
| 84.3 | 79.0 |  |  |  |  |  |  |
| 281  | 263  |  |  |  |  |  |  |
| 16.9 | 17.7 |  |  |  |  |  |  |

|                  |                   |
|------------------|-------------------|
| <b>Tipo Type</b> | <b>CS-P355TBX</b> |
|------------------|-------------------|

|      |      |     |  |  |  |  |  |
|------|------|-----|--|--|--|--|--|
| 36   | 42   | 48  |  |  |  |  |  |
| 160  | 187  | 214 |  |  |  |  |  |
| 600  | 700  | 800 |  |  |  |  |  |
|      |      |     |  |  |  |  |  |
|      |      |     |  |  |  |  |  |
| 27   |      |     |  |  |  |  |  |
| 90   |      |     |  |  |  |  |  |
| 6.7  |      |     |  |  |  |  |  |
| 32   |      |     |  |  |  |  |  |
| 107  |      |     |  |  |  |  |  |
| 8.7  |      |     |  |  |  |  |  |
| 37.5 |      |     |  |  |  |  |  |
| 125  |      |     |  |  |  |  |  |
| 11   |      |     |  |  |  |  |  |
| 45   |      |     |  |  |  |  |  |
| 150  |      |     |  |  |  |  |  |
| 14.1 |      |     |  |  |  |  |  |
| 50   |      |     |  |  |  |  |  |
| 167  |      |     |  |  |  |  |  |
| 17   |      |     |  |  |  |  |  |
| 86.1 | 81.0 |     |  |  |  |  |  |
| 287  | 270  |     |  |  |  |  |  |
| 24.6 | 25.4 |     |  |  |  |  |  |

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|       |       |  |  |  |  |  |  |
|-------|-------|--|--|--|--|--|--|
| 36    | 39    |  |  |  |  |  |  |
| 160   | 174   |  |  |  |  |  |  |
| 600   | 650   |  |  |  |  |  |  |
|       |       |  |  |  |  |  |  |
|       |       |  |  |  |  |  |  |
|       |       |  |  |  |  |  |  |
| 57    |       |  |  |  |  |  |  |
| 190   |       |  |  |  |  |  |  |
| 15    |       |  |  |  |  |  |  |
| 89    | 70    |  |  |  |  |  |  |
| 297   | 233   |  |  |  |  |  |  |
| 21    | 21    |  |  |  |  |  |  |
| 169.9 | 151.2 |  |  |  |  |  |  |
| 566   | 504   |  |  |  |  |  |  |
| 36.3  | 36.3  |  |  |  |  |  |  |

|                     |
|---------------------|
| <b>CS-PS554ABRX</b> |
|---------------------|

|     |     |     |      |      |  |  |  |
|-----|-----|-----|------|------|--|--|--|
| 42  | 48  | 54  | 60   | 66   |  |  |  |
| 187 | 214 | 240 | 267  | 294  |  |  |  |
| 700 | 800 | 900 | 1000 | 1100 |  |  |  |
| 222 | 191 | 173 | 168  | 150  |  |  |  |

|       |       |       |       |       |  |  |  |
|-------|-------|-------|-------|-------|--|--|--|
| 740   | 637   | 577   | 560   | 500   |  |  |  |
| 73    | 79    | 86    | 88    | 95    |  |  |  |
| 362.9 | 357.8 | 352.8 | 347.8 | 342.7 |  |  |  |
| 1210  | 1193  | 1176  | 1159  | 1142  |  |  |  |
| 102.0 | 103.7 | 105.4 | 108.9 | 112.3 |  |  |  |

|                  |                    |
|------------------|--------------------|
| <b>Tipo Type</b> | <b>CS-P552ATBX</b> |
|------------------|--------------------|

nm

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 36   | 39   | 42   | 48   | 54   | 60   | 66   | 72   |
| 160  | 174  | 187  | 214  | 240  | 267  | 294  | 320  |
| 600  | 650  | 700  | 800  | 900  | 1000 | 1100 | 1200 |
| 24.5 | 20.5 |      |      |      |      |      |      |
| 82   | 68   |      |      |      |      |      |      |
| 5.2  | 5.5  |      |      |      |      |      |      |
| 44   | 40.5 | 37   |      |      |      |      |      |
| 147  | 135  | 123  |      |      |      |      |      |
| 8.9  | 9.3  | 9.7  |      |      |      |      |      |
| 61   | 58   | 55   | 46   |      |      |      |      |
| 203  | 193  | 183  | 153  |      |      |      |      |
| 12.5 | 13   | 13.5 | 14   |      |      |      |      |
| 77   | 74   | 72   | 64   | 52   |      |      |      |
| 257  | 247  | 240  | 213  | 173  |      |      |      |
| 16   | 16.9 | 17.5 | 18.5 | 19.5 |      |      |      |
| 96   | 93   | 90   | 82   | 73   |      |      |      |
| 320  | 310  | 300  | 273  | 243  |      |      |      |
| 20   | 20.5 | 21   | 23   | 24   |      |      |      |
| 115  | 112  | 109  | 100  | 91   | 90   |      |      |
| 383  | 373  | 363  | 333  | 303  | 300  |      |      |
| 23   | 24   | 25   | 26.5 | 28   | 29   |      |      |
| 140  | 137  | 135  | 127  | 117  | 106  | 93   |      |
| 467  | 457  | 450  | 423  | 390  | 353  | 310  |      |
| 29   | 30   | 31   | 33   | 35   | 36.5 | 38   |      |
| 224  | 222  | 220  | 212  | 206  | 198  | 188  | 176  |
| 747  | 740  | 733  | 707  | 687  | 660  | 627  | 587  |
| 44   | 46   | 48   | 52   | 60   | 62.4 | 68   | 71.2 |

|                  |                    |
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| <b>Tipo Type</b> | <b>CS-P552BTBX</b> |
|------------------|--------------------|

nm

|      |     |     |     |     |      |      |      |
|------|-----|-----|-----|-----|------|------|------|
| 36   | 39  | 42  | 48  | 54  | 60   | 66   | 72   |
| 160  | 174 | 187 | 214 | 240 | 267  | 294  | 320  |
| 600  | 650 | 700 | 800 | 900 | 1000 | 1100 | 1200 |
| 22.5 | 19  |     |     |     |      |      |      |
| 75   | 63  |     |     |     |      |      |      |

|      |      |       |       |      |       |      |      |
|------|------|-------|-------|------|-------|------|------|
| 4.6  | 4.9  |       |       |      |       |      |      |
| 41   | 37   | 34    |       |      |       |      |      |
| 137  | 123  | 113   |       |      |       |      |      |
| 7.9  | 8.3  | 8.6   |       |      |       |      |      |
| 56   | 54   | 51    | 42    |      |       |      |      |
| 187  | 180  | 170   | 140   |      |       |      |      |
| 11.1 | 11.6 | 12    | 12.4  |      |       |      |      |
| 71   | 68   | 66    | 59    | 48   |       |      |      |
| 237  | 227  | 220   | 197   | 160  |       |      |      |
| 14.2 | 15   | 15.5  | 16.4  | 17.3 |       |      |      |
| 88.5 | 86   | 83    | 76    | 67   |       |      |      |
| 295  | 287  | 277   | 253   | 223  |       |      |      |
| 17.8 | 18.2 | 18.6  | 20.4  | 21.3 |       |      |      |
| 106  | 103  | 100   | 92.5  | 84   | 74    |      |      |
| 353  | 343  | 333   | 308   | 280  | 247   |      |      |
| 21.2 | 21.3 | 22.2  | 23.5  | 24.9 | 25.8  |      |      |
| 129  | 126  | 124.8 | 117.4 | 108  | 98    | 86   |      |
| 430  | 420  | 416   | 391   | 360  | 327   | 287  |      |
| 25.7 | 26.6 | 27.5  | 29.3  | 31.1 | 32.4  | 33.7 |      |
| 208  | 206  | 204   | 196   | 190  | 182.8 | 174  | 164  |
| 693  | 687  | 680   | 653   | 633  | 609   | 580  | 547  |
| 39.2 | 40.8 | 42.4  | 46.4  | 53.6 | 55.2  | 60.8 | 63.2 |

|                  |                    |
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| <b>Tipo Type</b> | <b>CS-P552CTBX</b> |
|------------------|--------------------|

nm

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 36   | 39   | 42   | 48   | 54   | 60   | 66   | 72   |
| 160  | 174  | 187  | 214  | 240  | 267  | 294  | 320  |
| 600  | 650  | 700  | 800  | 900  | 1000 | 1100 | 1200 |
| 20.8 | 17.5 |      |      |      |      |      |      |
| 69   | 58   |      |      |      |      |      |      |
| 4.1  | 4.3  |      |      |      |      |      |      |
| 37   | 34.5 | 31.5 |      |      |      |      |      |
| 123  | 115  | 105  |      |      |      |      |      |
| 7    | 7.3  | 7.6  |      |      |      |      |      |
| 52   | 49   | 47   | 40   |      |      |      |      |
| 173  | 163  | 157  | 133  |      |      |      |      |
| 9.8  | 10.2 | 10.6 | 11   |      |      |      |      |
| 65   | 63   | 61   | 54   | 44   |      |      |      |
| 217  | 210  | 203  | 180  | 147  |      |      |      |
| 12.5 | 13.2 | 13.7 | 14.5 | 15.3 |      |      |      |
| 82   | 79   | 76   | 70   | 62   |      |      |      |
| 273  | 263  | 253  | 233  | 207  |      |      |      |
| 15.7 | 16   | 16.5 | 18   | 18.8 |      |      |      |
| 98   | 95   | 93   | 85   | 77   | 68   |      |      |
| 327  | 317  | 310  | 283  | 257  | 227  |      |      |



|       |      |       |      |      |      |      |     |
|-------|------|-------|------|------|------|------|-----|
| 18    | 18.8 | 19.6  | 20.8 | 22   | 22.7 |      |     |
| 119   | 116  | 115   | 108  | 99   | 90   | 79   |     |
| 397   | 387  | 383   | 360  | 330  | 300  | 263  |     |
| 22.7  | 23.5 | 24    | 26   | 27.5 | 28.6 | 30   |     |
| 190.8 | 189  | 187.2 | 180  | 176  | 168  | 160  | 148 |
| 636   | 630  | 624   | 600  | 587  | 560  | 533  | 493 |
| 34.4  | 36   | 37.6  | 40   | 47.2 | 49.6 | 53.6 | 56  |

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| <b>Tipo Type</b> | <b>CS-P553ATBX</b> |
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nm

|      |      |      |       |       |       |       |      |
|------|------|------|-------|-------|-------|-------|------|
| 36   | 39   | 42   | 48    | 54    | 60    | 66    | 72   |
| 160  | 174  | 187  | 214   | 240   | 267   | 294   | 320  |
| 600  | 650  | 700  | 800   | 900   | 1000  | 1100  | 1200 |
| 32.5 | 27   |      |       |       |       |       |      |
| 108  | 90   |      |       |       |       |       |      |
| 7.2  | 7.5  |      |       |       |       |       |      |
| 60   | 55   | 49.5 |       |       |       |       |      |
| 200  | 183  | 165  |       |       |       |       |      |
| 12   | 12.5 | 13   |       |       |       |       |      |
| 81   | 76   | 71   | 59    |       |       |       |      |
| 270  | 253  | 237  | 197   |       |       |       |      |
| 15.5 | 16   | 17   | 18    |       |       |       |      |
| 105  | 102  | 98   | 87    | 71    |       |       |      |
| 350  | 340  | 327  | 290   | 237   |       |       |      |
| 21.5 | 22   | 23   | 25    | 26.5  |       |       |      |
| 32   | 128  | 124  | 114   | 101   |       |       |      |
| 107  | 427  | 413  | 380   | 337   |       |       |      |
| 27   | 28   | 29   | 31    | 32.5  |       |       |      |
| 152  | 148  | 143  | 132   | 118   | 103   |       |      |
| 507  | 493  | 477  | 440   | 393   | 343   |       |      |
| 31   | 32   | 33   | 37    | 38    | 39    |       |      |
| 167  | 163  | 157  | 144   | 128   | 108   | 90    |      |
| 557  | 543  | 523  | 480   | 427   | 360   | 300   |      |
| 34.5 | 35   | 37   | 39    | 41.5  | 44    | 45    |      |
| 308  | 304  | 300  | 292   | 284   | 272   | 256   | 240  |
| 1027 | 1013 | 1000 | 973.3 | 946.7 | 906.7 | 853.3 | 800  |
| 64   | 66   | 68   | 76    | 80    | 84    | 92    | 96   |

|                  |                    |
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| <b>Tipo Type</b> | <b>CS-P553BTBX</b> |
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nm

|     |     |     |     |     |      |      |      |
|-----|-----|-----|-----|-----|------|------|------|
| 36  | 39  | 42  | 48  | 54  | 60   | 66   | 72   |
| 160 | 174 | 187 | 214 | 240 | 267  | 294  | 320  |
| 600 | 650 | 700 | 800 | 900 | 1000 | 1100 | 1200 |
| 30  | 25  |     |     |     |      |      |      |

|                     |                     |                     |                    |                      |                    |                    |                      |
|---------------------|---------------------|---------------------|--------------------|----------------------|--------------------|--------------------|----------------------|
| 100<br>6.4          | 83<br>6.7           |                     |                    |                      |                    |                    |                      |
| 55.4<br>185<br>10.6 | 50.8<br>169<br>11.1 | 45.7<br>152<br>11.5 |                    |                      |                    |                    |                      |
| 74.8<br>249<br>13.7 | 70<br>233<br>14.2   | 65.6<br>219<br>15   | 54.5<br>182<br>16  |                      |                    |                    |                      |
| 97<br>323<br>19.1   | 94<br>313<br>19.5   | 90<br>300<br>20.4   | 80<br>267<br>22.2  | 65.6<br>219<br>23.5  |                    |                    |                      |
| 122<br>407<br>24    | 118<br>393<br>24.9  | 115<br>383<br>25.7  | 105<br>350<br>27.5 | 93<br>310<br>28.8    |                    |                    |                      |
| 140<br>467<br>27.5  | 136<br>453<br>28.4  | 132<br>440<br>29.3  | 122<br>407<br>32.8 | 109<br>363<br>34     | 95<br>317<br>34.6  |                    |                      |
| 170<br>567<br>36.2  | 166<br>553<br>35.5  | 162<br>540<br>36.8  | 155<br>517<br>39.2 | 145<br>483<br>41     | 132<br>440<br>43.1 | 112<br>373<br>44.3 |                      |
| 284<br>947<br>56.8  | 280<br>933<br>58.8  | 276<br>920<br>60.8  | 268<br>893<br>67.2 | 262.4<br>875<br>73.6 | 252<br>840<br>74.4 | 236<br>787<br>81.6 | 221.6<br>739<br>84.8 |

|                  |                     |
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| <b>Tipo Type</b> | <b>CS-P653E2TBX</b> |
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nm

|                   |      |      |      |  |  |  |  |
|-------------------|------|------|------|--|--|--|--|
| 81                | 87   | 96   | 108  |  |  |  |  |
| 360               | 387  | 427  | 481  |  |  |  |  |
| 1350              | 1450 | 1600 | 1800 |  |  |  |  |
|                   |      |      |      |  |  |  |  |
|                   |      |      |      |  |  |  |  |
|                   |      |      |      |  |  |  |  |
|                   |      |      |      |  |  |  |  |
| 90<br>300<br>47.5 |      |      |      |  |  |  |  |
| 113               | 69   |      |      |  |  |  |  |

|                   |                   |                   |                   |  |  |  |  |
|-------------------|-------------------|-------------------|-------------------|--|--|--|--|
| 377<br>58.5       | 230<br>60         |                   |                   |  |  |  |  |
| 140<br>467<br>81  | 134<br>447<br>85  |                   |                   |  |  |  |  |
| 240<br>800<br>128 | 232<br>800<br>128 | 224<br>800<br>128 | 208<br>747<br>140 |  |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P65212TBX</b> |
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nm

|                    |                      |                    |  |  |  |  |  |
|--------------------|----------------------|--------------------|--|--|--|--|--|
| 77                 | 83                   | 89                 |  |  |  |  |  |
| 344                | 368                  | 395                |  |  |  |  |  |
| 1290               | 1380                 | 1480               |  |  |  |  |  |
|                    |                      |                    |  |  |  |  |  |
|                    |                      |                    |  |  |  |  |  |
|                    |                      |                    |  |  |  |  |  |
|                    |                      |                    |  |  |  |  |  |
| 48<br>160<br>25.2  |                      |                    |  |  |  |  |  |
| 59<br>197<br>31    | 54<br>180<br>32.1    |                    |  |  |  |  |  |
| 82<br>273<br>40.7  | 76<br>253<br>41.6    | 69<br>230<br>42.9  |  |  |  |  |  |
| 134<br>447<br>69.6 | 127<br>423.3<br>71.2 | 120<br>400<br>72.8 |  |  |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P652A2TBX</b> |
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nm

|     |     |     |     |  |  |  |  |
|-----|-----|-----|-----|--|--|--|--|
| 81  | 87  | 93  | 108 |  |  |  |  |
| 360 | 387 | 414 | 481 |  |  |  |  |

| 1350              | 1450             | 1550               | 1800              |  |  |  |  |
|-------------------|------------------|--------------------|-------------------|--|--|--|--|
|                   |                  |                    |                   |  |  |  |  |
|                   |                  |                    |                   |  |  |  |  |
|                   |                  |                    |                   |  |  |  |  |
|                   |                  |                    |                   |  |  |  |  |
| 78<br>260<br>39   |                  |                    |                   |  |  |  |  |
| 96<br>320<br>48   | 92<br>307<br>50  |                    |                   |  |  |  |  |
| 128<br>427<br>62  | 124<br>413<br>64 | 118<br>393<br>67   |                   |  |  |  |  |
| 196<br>653<br>104 | 192<br>640<br>80 | 188<br>626.7<br>56 | 176<br>587<br>120 |  |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P653A2TBX</b> |
|------------------|---------------------|

nm

| 81         | 87   | 93   | 108  |  |  |  |  |
|------------|------|------|------|--|--|--|--|
| 360        | 387  | 414  | 481  |  |  |  |  |
| 1350       | 1450 | 1550 | 1800 |  |  |  |  |
|            |      |      |      |  |  |  |  |
|            |      |      |      |  |  |  |  |
|            |      |      |      |  |  |  |  |
|            |      |      |      |  |  |  |  |
| 110<br>367 |      |      |      |  |  |  |  |

|     |     |     |     |  |  |  |  |
|-----|-----|-----|-----|--|--|--|--|
| 55  |     |     |     |  |  |  |  |
| 135 | 130 |     |     |  |  |  |  |
| 450 | 433 |     |     |  |  |  |  |
| 67  | 70  |     |     |  |  |  |  |
| 167 | 153 | 146 |     |  |  |  |  |
| 557 | 510 | 487 |     |  |  |  |  |
| 93  | 96  | 99  |     |  |  |  |  |
| 280 | 272 | 264 | 248 |  |  |  |  |
| 933 | 907 | 880 | 827 |  |  |  |  |
| 144 | 148 | 152 | 164 |  |  |  |  |

|                  |                     |
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| <b>Tipo Type</b> | <b>CS-P653B2TBX</b> |
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nm

|      |      |      |      |  |  |  |  |
|------|------|------|------|--|--|--|--|
| 81   | 87   | 93   | 108  |  |  |  |  |
| 360  | 387  | 414  | 481  |  |  |  |  |
| 1350 | 1450 | 1550 | 1800 |  |  |  |  |
|      |      |      |      |  |  |  |  |
|      |      |      |      |  |  |  |  |
|      |      |      |      |  |  |  |  |
|      |      |      |      |  |  |  |  |
|      |      |      |      |  |  |  |  |
| 103  |      |      |      |  |  |  |  |
| 343  |      |      |      |  |  |  |  |
| 52   |      |      |      |  |  |  |  |
| 126  | 120  |      |      |  |  |  |  |
| 420  | 400  |      |      |  |  |  |  |
| 64   | 66   |      |      |  |  |  |  |
| 156  | 148  | 140  |      |  |  |  |  |
| 520  | 493  | 467  |      |  |  |  |  |
| 89   | 92   | 94   |      |  |  |  |  |
| 266  | 260  | 252  | 232  |  |  |  |  |
| 887  | 867  | 840  | 773  |  |  |  |  |
| 136  | 144  | 152  | 160  |  |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P653C2TBX</b> |
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nm

|    |    |    |     |  |  |  |  |
|----|----|----|-----|--|--|--|--|
| 81 | 87 | 93 | 108 |  |  |  |  |
|----|----|----|-----|--|--|--|--|





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| <b>Tipo Type</b> | <b>CS-P1004CTBX</b> |
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nm

|      |      |      |       |       |  |  |  |
|------|------|------|-------|-------|--|--|--|
| 180  | 195  | 210  | 225   | 240   |  |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 |  |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  |  |  |  |
| 122  | 112  | 109  |       |       |  |  |  |
| 407  | 373  | 363  |       |       |  |  |  |
| 105  | 119  | 122  |       |       |  |  |  |
| 183  | 177  | 172  | 166   | 159   |  |  |  |
| 610  | 590  | 573  | 553   | 530   |  |  |  |
| 172  | 178  | 183  | 196   | 207   |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P1002ATBX</b> |
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nm

|      |      |      |       |       |       |  |  |
|------|------|------|-------|-------|-------|--|--|
| 180  | 195  | 210  | 225   | 240   | 270   |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 | 1,202 |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  | 4500  |  |  |
| 79   | 76   | 73   |       |       |       |  |  |
| 263  | 253  | 243  |       |       |       |  |  |
| 74   | 78   | 79   |       |       |       |  |  |
| 121  | 118  | 115  | 110   | 108   |       |  |  |
| 403  | 393  | 383  | 367   | 360   |       |  |  |
| 117  | 123  | 129  | 132   | 136   |       |  |  |
| 160  | 158  | 153  | 150   | 147   | 136   |  |  |
| 533  | 527  | 510  | 500   | 490   | 453   |  |  |



|     |     |     |     |     |     |  |  |
|-----|-----|-----|-----|-----|-----|--|--|
| 160 | 169 | 174 | 182 | 190 | 200 |  |  |
|-----|-----|-----|-----|-----|-----|--|--|

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| <b>Tipo Type</b> | <b>CS-P1002BTBX</b> |
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nm

|      |      |      |       |       |       |  |  |
|------|------|------|-------|-------|-------|--|--|
| 180  | 195  | 210  | 225   | 240   | 270   |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 | 1,202 |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  | 4500  |  |  |
| 75   | 72   | 70   |       |       |       |  |  |
| 250  | 240  | 233  |       |       |       |  |  |
| 70   | 74   | 76   |       |       |       |  |  |
| 115  | 112  | 109  | 104   | 103   |       |  |  |
| 383  | 373  | 363  | 347   | 343   |       |  |  |
| 111  | 116  | 122  | 125   | 130   |       |  |  |
| 152  | 150  | 145  | 143   | 140   | 129   |  |  |
| 507  | 500  | 483  | 477   | 467   | 430   |  |  |
| 152  | 160  | 165  | 174   | 181   | 190   |  |  |

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| <b>Tipo Type</b> | <b>CS-P1002CTBX</b> |
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|      |      |      |       |       |       |  |  |
|------|------|------|-------|-------|-------|--|--|
| 180  | 195  | 210  | 225   | 240   | 270   |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 | 1,202 |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  | 4500  |  |  |
| 71   | 68   | 66   |       |       |       |  |  |
| 237  | 227  | 220  |       |       |       |  |  |
| 66   | 69.5 | 71   |       |       |       |  |  |
| 104  | 101  | 98   | 94    | 93    |       |  |  |
| 347  | 337  | 327  | 313   | 310   |       |  |  |
| 100  | 105  | 110  | 112   | 117   |       |  |  |
| 138  | 136  | 131  | 129   | 126   | 116   |  |  |
| 460  | 453  | 437  | 430   | 420   | 387   |  |  |
| 138  | 145  | 149  | 156   | 163   | 170   |  |  |

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| <b>Tipo Type</b> | <b>CS-P1003ATBX</b> |
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|      |      |      |       |       |  |  |  |
|------|------|------|-------|-------|--|--|--|
| 180  | 195  | 210  | 225   | 240   |  |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 |  |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  |  |  |  |
| 110  | 104  | 93   |       |       |  |  |  |
| 367  | 347  | 310  |       |       |  |  |  |
| 95   | 108  | 109  |       |       |  |  |  |
| 167  | 162  | 158  | 153   | 148   |  |  |  |
| 557  | 540  | 527  | 510   | 493   |  |  |  |

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|-----|-----|-----|-----|-----|--|--|--|
| 156 | 161 | 165 | 181 | 188 |  |  |  |
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| <b>Tipo Type</b> | <b>CS-P1003BTBX</b> |
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|------|------|------|-------|-------|--|--|--|
| 180  | 195  | 210  | 225   | 240   |  |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 |  |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  |  |  |  |
| 106  | 99   | 89   |       |       |  |  |  |
| 353  | 330  | 297  |       |       |  |  |  |
| 91   | 103  | 104  |       |       |  |  |  |
| 160  | 155  | 151  | 147   | 142   |  |  |  |
| 533  | 517  | 503  | 490   | 473   |  |  |  |
| 149  | 154  | 157  | 174   | 180   |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P1003CTBX</b> |
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|      |      |      |       |       |  |  |  |
|------|------|------|-------|-------|--|--|--|
| 180  | 195  | 210  | 225   | 240   |  |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 |  |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  |  |  |  |
| 95   | 90   | 79   |       |       |  |  |  |
| 317  | 300  | 263  |       |       |  |  |  |
| 88   | 92   | 95   |       |       |  |  |  |
| 148  | 144  | 138  | 136   | 128   |  |  |  |
| 493  | 480  | 460  | 453   | 427   |  |  |  |
| 138  | 143  | 148  | 154   | 160   |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P1003DTBX</b> |
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|------|------|------|-------|-------|--|--|--|
| 180  | 195  | 210  | 225   | 240   |  |  |  |
| 801  | 868  | 935  | 1,001 | 1,068 |  |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  |  |  |  |
| 91   | 88   | 76   |       |       |  |  |  |
| 303  | 293  | 253  |       |       |  |  |  |
| 79   | 86   | 89   |       |       |  |  |  |
| 146  | 142  | 136  | 134   | 125   |  |  |  |
| 487  | 473  | 453  | 447   | 417   |  |  |  |
| 136  | 141  | 142  | 151   | 155   |  |  |  |

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| <b>Tipo Type</b> | <b>CS-P1004BTBX</b> |
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|     |     |     |     |     |  |  |  |
|-----|-----|-----|-----|-----|--|--|--|
| 180 | 195 | 210 | 225 | 240 |  |  |  |
|-----|-----|-----|-----|-----|--|--|--|

|      |      |      |       |       |  |  |  |
|------|------|------|-------|-------|--|--|--|
| 801  | 868  | 935  | 1,001 | 1,068 |  |  |  |
| 3000 | 3250 | 3500 | 3750  | 4000  |  |  |  |
| 128  | 118  | 115  |       |       |  |  |  |
| 427  | 393  | 383  |       |       |  |  |  |
| 113  | 128  | 130  |       |       |  |  |  |
| 193  | 186  | 181  | 174   | 167   |  |  |  |
| 643  | 620  | 603  | 580   | 557   |  |  |  |
| 181  | 187  | 192  | 205   | 217   |  |  |  |

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|-------|-------|-------|--|--|--|--|--|
| 270   | 285   |       |  |  |  |  |  |
| 1,202 | 1,268 |       |  |  |  |  |  |
| 4500  | 4750  |       |  |  |  |  |  |
| 75.5  |       |       |  |  |  |  |  |
| 252   |       |       |  |  |  |  |  |
| 120   |       |       |  |  |  |  |  |
| 104   | 98    |       |  |  |  |  |  |
| 347   | 327   |       |  |  |  |  |  |
| 152   | 157   |       |  |  |  |  |  |
| 136.8 | 130.3 | 121   |  |  |  |  |  |
| 456   | 434   | 403   |  |  |  |  |  |
| 191.8 | 197   | 203.9 |  |  |  |  |  |

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|-------|-------|-------|--|--|--|--|--|
| 270   | 285   |       |  |  |  |  |  |
| 1,202 | 1,268 |       |  |  |  |  |  |
| 4500  | 4750  |       |  |  |  |  |  |
| 115   | 110   |       |  |  |  |  |  |
| 383   | 367   |       |  |  |  |  |  |
| 152   | 158   |       |  |  |  |  |  |
|       |       |       |  |  |  |  |  |
| 180   | 175.7 | 171.4 |  |  |  |  |  |
| 600   | 586   | 571   |  |  |  |  |  |
| 231.6 | 240.2 | 254   |  |  |  |  |  |

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|-------|-------|--|--|--|--|--|--|
| 270   | 285   |  |  |  |  |  |  |
| 1,202 | 1,268 |  |  |  |  |  |  |
| 4500  | 4750  |  |  |  |  |  |  |

|       |       |       |  |  |  |  |  |
|-------|-------|-------|--|--|--|--|--|
| 95    | 86    |       |  |  |  |  |  |
| 317   | 287   |       |  |  |  |  |  |
| 137   | 138   |       |  |  |  |  |  |
|       |       |       |  |  |  |  |  |
| 158.4 | 152.6 | 145.4 |  |  |  |  |  |
| 528   | 509   | 485   |  |  |  |  |  |
| 212.5 | 221.2 | 231.6 |  |  |  |  |  |

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|-------|-------|-------|--|--|--|--|--|
| 270   | 285   | 300   |  |  |  |  |  |
| 1,202 | 1,268 | 1,335 |  |  |  |  |  |
| 4500  | 4750  | 5000  |  |  |  |  |  |
| 40    |       |       |  |  |  |  |  |
| 133   |       |       |  |  |  |  |  |
| 66    |       |       |  |  |  |  |  |
| 57    | 53    |       |  |  |  |  |  |
| 190   | 177   |       |  |  |  |  |  |
| 85    | 86    |       |  |  |  |  |  |
| 82    | 76    | 68    |  |  |  |  |  |
| 273   | 253   | 227   |  |  |  |  |  |
| 115   | 118   | 120   |  |  |  |  |  |

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|       |       |  |  |  |  |  |  |
|-------|-------|--|--|--|--|--|--|
| 285   | 300   |  |  |  |  |  |  |
| 1,268 | 1,335 |  |  |  |  |  |  |
| 4750  | 5000  |  |  |  |  |  |  |
| 156   |       |  |  |  |  |  |  |
| 520   |       |  |  |  |  |  |  |
| 96    |       |  |  |  |  |  |  |
| 84    |       |  |  |  |  |  |  |
| 280   |       |  |  |  |  |  |  |
| 123   |       |  |  |  |  |  |  |
| 116   | 110   |  |  |  |  |  |  |
| 387   | 367   |  |  |  |  |  |  |
| 169   | 174   |  |  |  |  |  |  |