



The electropumps 6SDX, 6SDXL series comply with the European Regulation no. 547/2012.

## Materials

| Components      | 6SDX                        | 6SDXL                       | 8SDX                       | 8SDXL                      |
|-----------------|-----------------------------|-----------------------------|----------------------------|----------------------------|
| External jacket | Cr-Ni steel                 | Cr-Ni-Mo steel              | Cr-Ni steel                | Cr-Ni-Mo steel             |
| Suction lantern | AISI 304                    | AISI 316L                   | AISI 304                   | AISI 316                   |
| Upper cover     | Cr-Ni-Mo steel AISI 316     |                             | -                          | -                          |
| Delivery casing | Cr-Ni-Mo steel<br>AISI 316L |                             | Cr-Ni steel<br>AISI 304    | Cr-Ni-Mo steel<br>AISI 316 |
| Strainer        | Cr-Ni-Mo steel              |                             | Cr-Ni-Mo steel             |                            |
| Valve set       | AISI 316                    |                             | AISI 316                   |                            |
| O-ring valve    | NBR                         |                             |                            |                            |
| Shaft           | Cr-Ni-Mo steel AISI 316     |                             | Cr-Ni-Mo steel AISI 329    |                            |
| Coupling set    | Cr-Ni-Mo steel AISI 316/329 |                             |                            |                            |
| Diffuser        | Cr-Ni steel                 | Cr-Ni-Mo steel              | Cr-Ni steel                | Cr-Ni-Mo steel             |
| Stage casing    | AISI 304                    | AISI 316L                   | AISI 304                   | AISI 316                   |
| Impeller        | Cr-Ni steel<br>AISI 304     | Cr-Ni-Mo steel<br>AISI 316L | Cr-Ni-Mo steel<br>AISI 316 |                            |
| Wear ring       | Teflon (PTFE)               |                             |                            |                            |
| Bearing bush    | NBR                         | HNBR                        | NBR                        | HNBR                       |
| Cable guard     | Cr-Ni-Mo steel              |                             |                            |                            |
| Screws          | AISI 316                    |                             |                            |                            |

## CS, CS-R Motor

| Components     | CS-R 6", 8", CS 10" standard      | I-CS-R 6", 8", I-CS 10" AISI 316                       |
|----------------|-----------------------------------|--------------------------------------------------------|
| External frame | AISI 304 (AISI 316Ti for 10")     | Cr-Ni-Mo steel AISI 316 Ti                             |
| Motor flange   | Cast iron GJL 200 EN 1561         | Cr-Ni-Mo steel AISI 316                                |
| Shaft end      | Steel AISI 431 (AISI 329 for 10") | AISI 316 (AISI 630 from 30 to 93kW) (AISI 429 for 10") |
| Thrust bearing | Oscillating pads                  | Oscillating pads                                       |
| Bushings       | Graphite (Bronze for 8" motor)    | Graphite (Bronze for 8" motor)                         |

## Construction

Submersible borehole pumps for 6" wells (DN 150 mm) and 8" (DN 200 mm).

**6,8SDX:** with external jacket and stages in stainless steel AISI 304.

**6,8SDXL:** with external jacket and stages in stainless steel AISI 316.

### Impellers

| Radial impellers | Mixed flow impellers |
|------------------|----------------------|
| 6SDX(L) 18       | 6SDX(L) 30-46-65     |
|                  | 8SDX(L) 78-97        |

**Connection:** Screwed connection ISO 228

Delivery casing with built-in non-return valve.

## Applications

For water supply.

For civil and industrial applications.

For fire fighting applications.

For irrigation.

## Operating conditions

Liquid temperature up to 60 °C (90 °C for SDXL).

Max. sand quantity into the water: 100 g/m<sup>3</sup>.

Continuous duty.

## Rewindable motor CS-R series

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).

With water wetted winding in rewindable execution.

Sized for connection to the pumps according to NEMA Standards.

Standard voltages:

- three-phase 400 V; 400/690 V.

Voltage tolerance : +6% / -10%.

In order to limit both current and torque at each starting, for rated motor powers equal to or higher than 7.5 kW, one of the following types of starting is necessary: star/delta, soft starter, stator impedance or autotransformer.

## Operating conditions motor

| Motor | Max. Liquid temperature | Cooling: minimum flow velocity | Max. starts per hour | Motor P2  |
|-------|-------------------------|--------------------------------|----------------------|-----------|
| 4CS-R | 35 °C                   | 0,08 m/s                       | 20                   | all types |
| 6CS-R | 30 °C                   | 0,1 m/s                        | 15                   | 4÷11 kW   |
|       |                         | 0,2 m/s                        | 15                   | 13÷15 kW  |
|       | 25 °C                   | 0,2 m/s                        | 15                   | 18,5 kW   |
|       |                         | 0,2 m/s                        | 13                   | 22÷30 kW  |
| 8CS-R | 40 °C                   | 0,1 m/s                        | 13                   | 37 kW     |
|       |                         | 0,3 m/s                        | 6                    | 45 kW     |
|       | 25 °C                   | 0,3 m/s                        | 10                   | 30÷45 kW  |
|       |                         |                                | 8                    | 51÷75 kW  |
| 10CS  | 25 °C                   | 0,50 m/s                       | 6                    | 92 kW     |
|       |                         |                                | 10                   | all types |

Insulation class F for 4" motors, class E for 6-8" motors, PVC coated wire for 10" motors.

Motor suitable operation with frequency converter.

Protection IP 68.

## Special features on request

- Other voltages.
- 60 Hz frequency.
- Other temperatures.
- Encapsulated motor **FK series**.

## Designation

6 SDX L 30 / 17

Ø of the well in inches \_\_\_\_\_

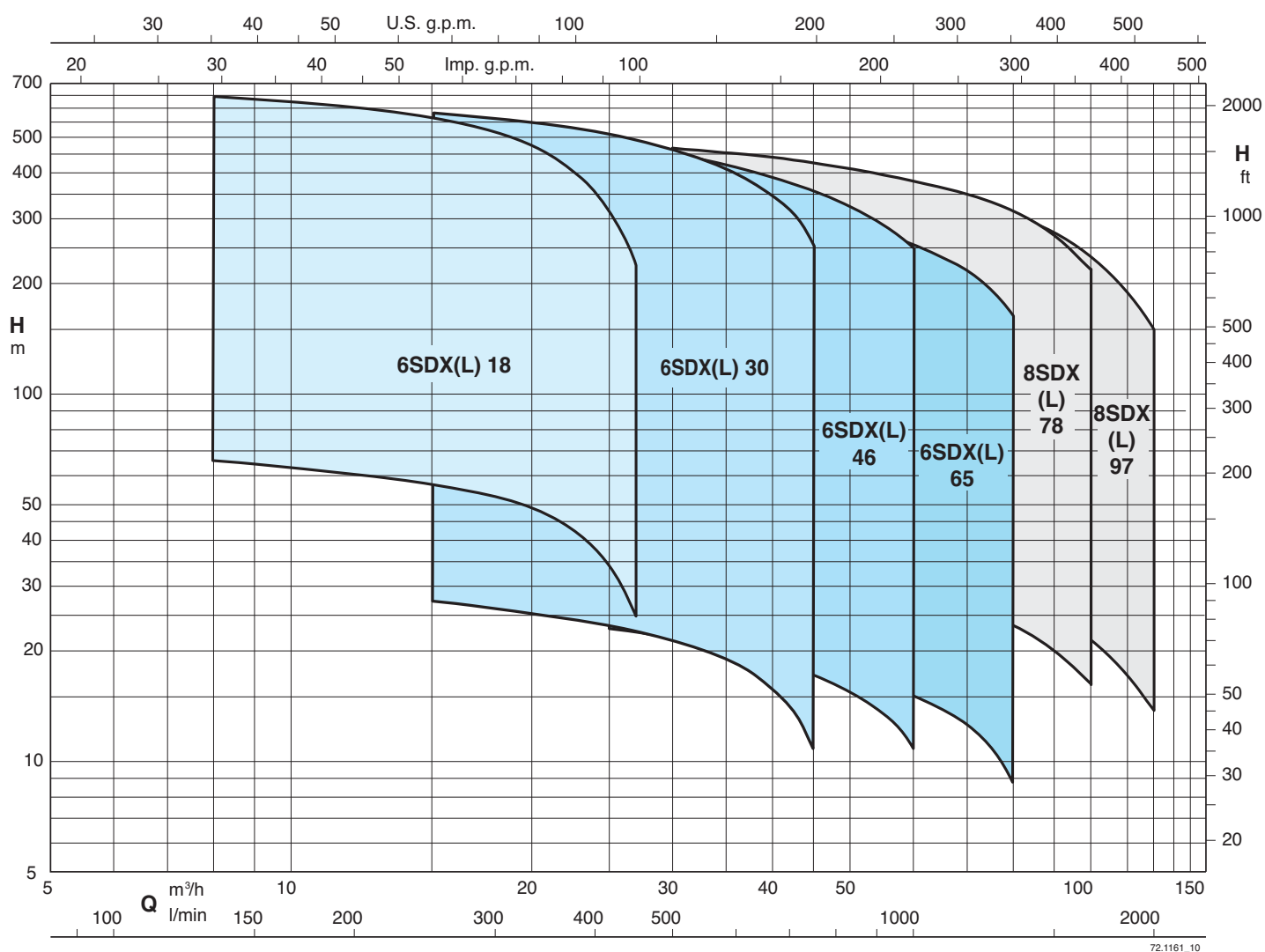
Series \_\_\_\_\_

Cr-Ni-Mo steel AISI 316 construction \_\_\_\_\_

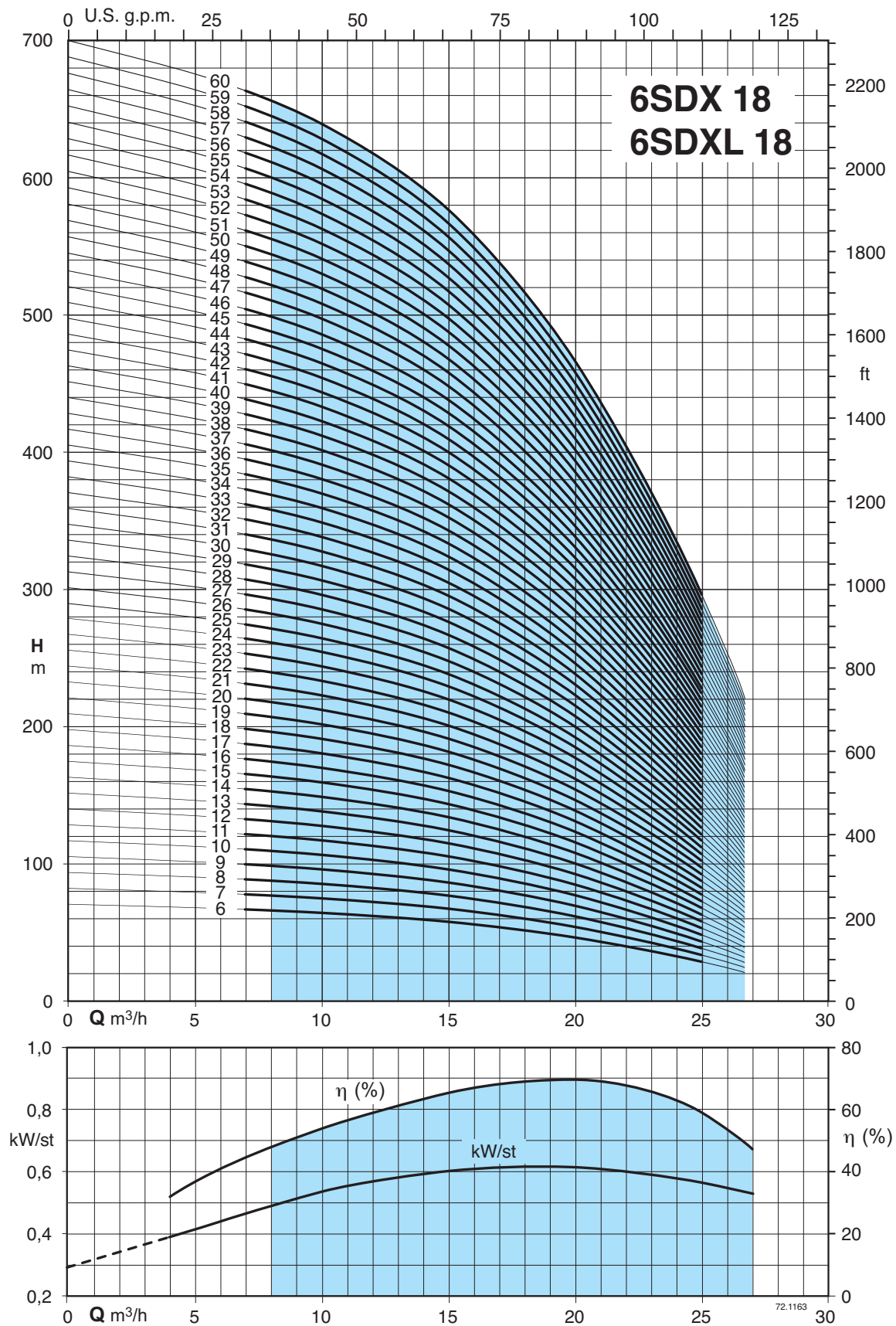
Stage identification \_\_\_\_\_

Number of stages \_\_\_\_\_

Coverage chart  $n \approx 2900$  rpm

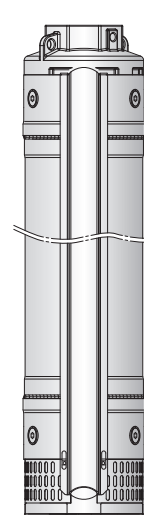
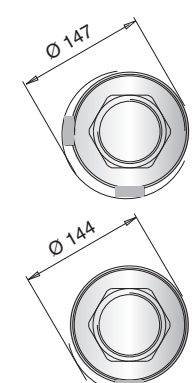
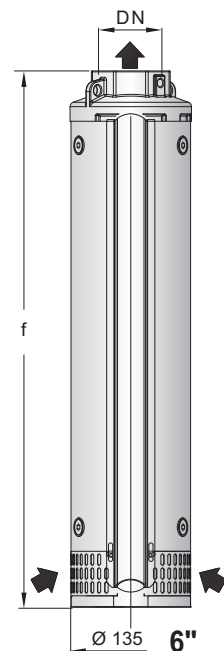


## Characteristic curves



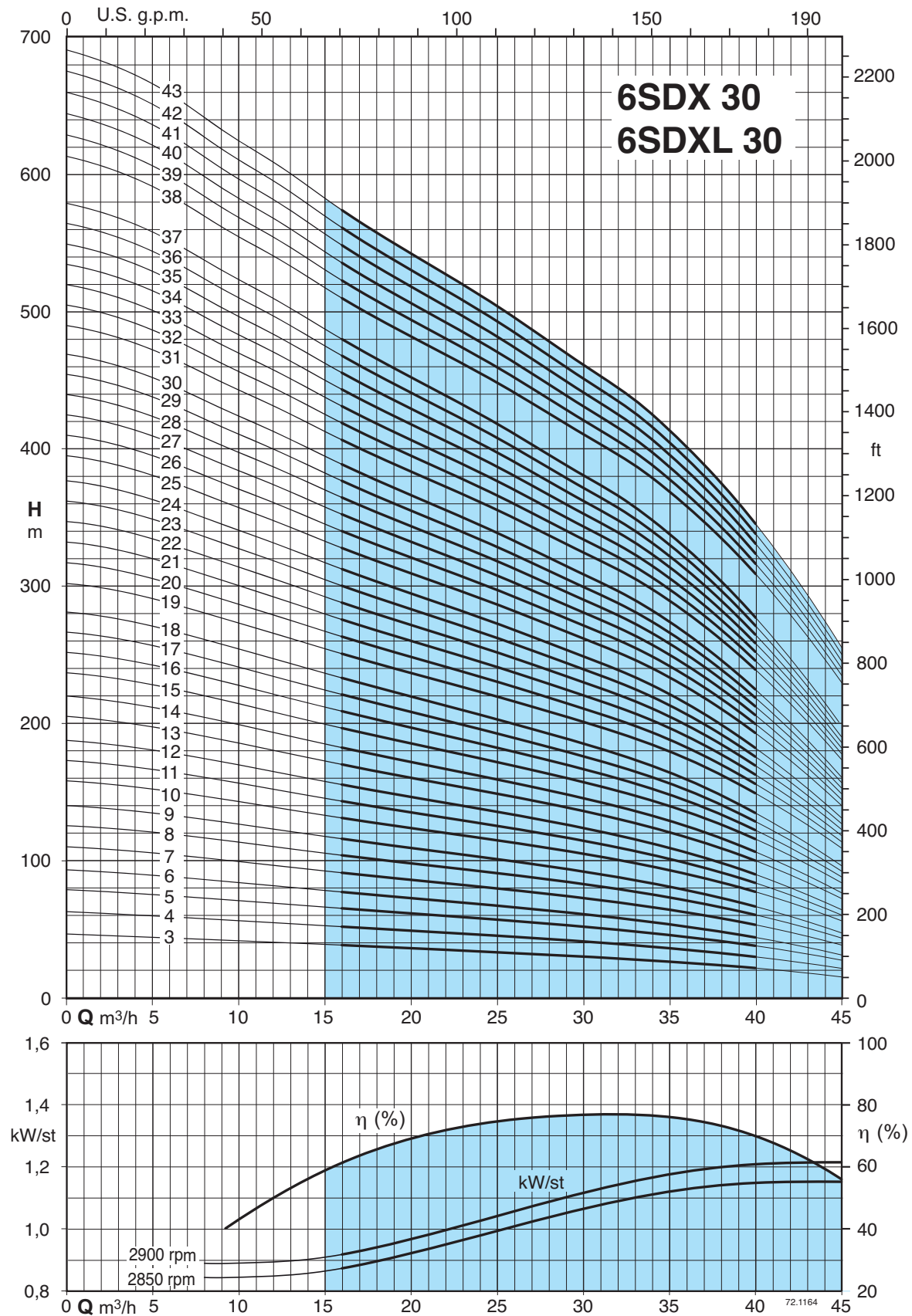
### Performance $n \approx 2900$ rpm, dimensions and weights

| 3 ~            | P <sub>2</sub> |           | Q      | n ≈ 2900 rpm |      |      |      |      |      |      |      |      | DN          | Motore    |           | f    |      |
|----------------|----------------|-----------|--------|--------------|------|------|------|------|------|------|------|------|-------------|-----------|-----------|------|------|
|                |                |           |        |              |      |      |      |      |      |      |      |      |             | CS-R      | FK        |      |      |
|                | m³/h           | 0         | 8      | 10           | 12   | 15   | 18   | 21   | 24   | 27   | mm   | mm   |             | mm        | kg        |      |      |
|                | kW             | HP        | l/min  | 0            | 133  | 167  | 200  | 250  | 300  | 350  | 400  | 450  |             |           |           |      |      |
| 6SDX (L) 18/6  | 4              | 5,5       | H<br>m | 70           | 66,4 | 64   | 62   | 57,6 | 51,6 | 43,2 | 32,9 | 20,5 | Rp<br>2"1/2 | 145<br>6" | 137<br>6" | 494  | 12,5 |
| 6SDX (L) 18/7  | 5,5            | 7,5       |        | 81,7         | 77,5 | 74,7 | 72,3 | 67,2 | 60,2 | 50,4 | 38,4 | 23,9 |             |           |           | 532  | 13,5 |
| 6SDX (L) 18/8  | 5,5            | 7,5       |        | 93,3         | 88,5 | 85,3 | 82,7 | 76,8 | 68,8 | 57,6 | 43,9 | 27,4 |             |           |           | 569  | 14,3 |
| 6SDX (L) 18/9  | 5,5            | 7,5       |        | 105          | 99,6 | 96   | 93   | 86,4 | 77,4 | 64,8 | 49,4 | 30,8 |             |           |           | 607  | 15   |
| 6SDX (L) 18/10 | 7,5            | 10        |        | 117          | 111  | 107  | 103  | 96   | 86   | 72,0 | 54,9 | 34,2 |             |           |           | 644  | 16   |
| 6SDX (L) 18/11 | 7,5            | 10        |        | 128          | 122  | 117  | 114  | 106  | 94,6 | 79,2 | 60,4 | 37,6 |             |           |           | 682  | 17   |
| 6SDX (L) 18/12 | 7,5            | 10        |        | 140          | 133  | 128  | 124  | 115  | 103  | 86,4 | 65,8 | 41,0 |             |           |           | 719  | 17,5 |
| 6SDX (L) 18/13 | 9,2            | 12,5      |        | 152          | 144  | 139  | 134  | 125  | 112  | 93,6 | 71,3 | 44,5 |             |           |           | 757  | 18,5 |
| 6SDX (L) 18/14 | 9,2            | 12,5      |        | 163          | 155  | 149  | 145  | 134  | 120  | 101  | 76,8 | 47,9 |             |           |           | 794  | 19,3 |
| 6SDX (L) 18/15 | 9,2            | 12,5      |        | 175          | 166  | 160  | 155  | 144  | 129  | 108  | 82,3 | 51,3 |             |           |           | 832  | 20   |
| 6SDX (L) 18/16 | 11             | 15        |        | 187          | 177  | 171  | 165  | 154  | 138  | 115  | 87,8 | 54,7 |             |           |           | 869  | 21   |
| 6SDX (L) 18/17 | 11             | 15        |        | 198          | 188  | 181  | 176  | 163  | 146  | 122  | 93,3 | 58,1 |             |           |           | 907  | 22   |
| 6SDX (L) 18/18 | 11             | 15        |        | 210          | 199  | 192  | 186  | 173  | 155  | 130  | 98,8 | 61,6 |             |           |           | 944  | 22,5 |
| 6SDX (L) 18/19 | 13 (15)        | 17,5 (20) |        | 222          | 210  | 203  | 196  | 182  | 163  | 137  | 104  | 65,0 |             |           |           | 982  | 23,5 |
| 6SDX (L) 18/20 | 13 (15)        | 17,5 (20) |        | 233          | 221  | 213  | 207  | 192  | 172  | 144  | 110  | 68,4 |             |           |           | 1019 | 24   |
| 6SDX (L) 18/21 | 13 (15)        | 17,5 (20) |        | 245          | 232  | 224  | 217  | 202  | 181  | 151  | 115  | 71,8 |             |           |           | 1057 | 25   |
| 6SDX (L) 18/22 | 15             | 20        |        | 257          | 243  | 235  | 227  | 211  | 189  | 158  | 121  | 75,2 |             |           |           | 1094 | 26   |
| 6SDX (L) 18/23 | 15             | 20        |        | 268          | 254  | 245  | 238  | 221  | 198  | 166  | 126  | 78,7 |             |           |           | 1132 | 26,5 |
| 6SDX (L) 18/24 | 15             | 20        |        | 280          | 266  | 256  | 248  | 230  | 206  | 173  | 132  | 82,1 |             |           |           | 1169 | 27,5 |
| 6SDX (L) 18/25 | 18,5           | 25        |        | 292          | 277  | 267  | 258  | 240  | 215  | 180  | 137  | 85,5 |             |           |           | 1207 | 28,3 |
| 6SDX (L) 18/26 | 18,5           | 25        |        | 303          | 288  | 277  | 269  | 250  | 224  | 187  | 143  | 88,9 |             |           |           | 1244 | 29   |
| 6SDX (L) 18/27 | 18,5           | 25        |        | 315          | 299  | 288  | 279  | 259  | 232  | 194  | 148  | 92,3 |             |           |           | 1282 | 31   |
| 6SDX (L) 18/28 | 18,5           | 25        |        | 327          | 310  | 299  | 289  | 269  | 241  | 202  | 154  | 95,8 |             |           |           | 1319 | 31   |
| 6SDX (L) 18/29 | 18,5           | 25        |        | 338          | 321  | 309  | 300  | 278  | 249  | 209  | 159  | 99,2 |             |           |           | 1356 | 31,5 |
| 6SDX (L) 18/30 | 18,5           | 25        |        | 350          | 332  | 320  | 310  | 288  | 258  | 216  | 165  | 103  |             |           |           | 1394 | 32,5 |
| 6SDX (L) 18/31 | 22             | 30        |        | 362          | 343  | 331  | 320  | 298  | 267  | 223  | 170  | 106  |             |           |           | 1431 | 33,3 |
| 6SDX (L) 18/32 | 22             | 30        |        | 373          | 354  | 342  | 331  | 307  | 275  | 230  | 176  | 109  |             |           |           | 1469 | 34   |
| 6SDX (L) 18/33 | 22             | 30        |        | 385          | 365  | 352  | 341  | 317  | 284  | 238  | 181  | 113  |             |           |           | 1506 | 35   |
| 6SDX (L) 18/34 | 22             | 30        |        | 397          | 376  | 363  | 351  | 326  | 292  | 245  | 187  | 116  |             |           |           | 1544 | 35,7 |
| 6SDX (L) 18/35 | 22             | 30        |        | 408          | 387  | 373  | 362  | 336  | 301  | 252  | 192  | 120  |             |           |           | 1581 | 36,3 |
| 6SDX (L) 18/36 | 22             | 30        |        | 420          | 398  | 384  | 372  | 346  | 310  | 259  | 198  | 123  |             |           |           | 1619 | 37   |
| 6SDX (L) 18/37 | 26 (30)        | 35 (40)   |        | 432          | 409  | 395  | 382  | 355  | 318  | 266  | 203  | 127  |             |           |           | 1656 | 38,4 |
| 6SDX (L) 18/38 | 26 (30)        | 35 (40)   |        | 443          | 420  | 405  | 393  | 365  | 327  | 274  | 209  | 130  |             |           |           | 1694 | 39,8 |
| 6SDX (L) 18/39 | 26 (30)        | 35 (40)   |        | 455          | 432  | 416  | 403  | 374  | 335  | 281  | 214  | 133  |             |           |           | 1731 | 40   |
| 6SDX (L) 18/40 | 26 (30)        | 35 (40)   |        | 467          | 443  | 427  | 413  | 384  | 344  | 288  | 220  | 137  |             |           |           | 1769 | 40,5 |
| 6SDX (L) 18/41 | 26 (30)        | 35 (40)   |        | 478          | 454  | 437  | 424  | 394  | 353  | 295  | 225  | 140  |             |           |           | 1806 | 41,8 |
| 6SDX (L) 18/42 | 26 (30)        | 35 (40)   |        | 490          | 465  | 448  | 434  | 403  | 361  | 302  | 230  | 144  |             |           |           | 1844 | 43   |
| 6SDX (L) 18/43 | 30             | 40        |        | 502          | 476  | 459  | 444  | 413  | 370  | 310  | 236  | 147  |             |           |           | 1881 | 44   |
| 6SDX (L) 18/44 | 30             | 40        |        | 513          | 487  | 469  | 455  | 422  | 378  | 317  | 241  | 151  |             |           |           | 1919 | 45   |
| 6SDX (L) 18/45 | 30             | 40        |        | 525          | 498  | 480  | 465  | 432  | 387  | 324  | 247  | 154  |             |           |           | 1956 | 46   |
| 6SDX (L) 18/46 | 30             | 40        |        | 537          | 509  | 491  | 475  | 442  | 396  | 331  | 252  | 157  |             |           |           | 1993 | 47   |
| 6SDX (L) 18/47 | 30             | 40        |        | 548          | 520  | 501  | 486  | 451  | 404  | 338  | 258  | 161  |             |           |           | 2031 | 47,5 |
| 6SDX (L) 18/48 | 30             | 40        |        | 560          | 531  | 512  | 496  | 461  | 413  | 346  | 263  | 164  |             |           |           | 2068 | 48   |
| 6SDX (L) 18/49 | 30             | 40        |        | 572          | 542  | 523  | 506  | 470  | 421  | 353  | 269  | 168  |             |           |           | 2106 | 50   |
| 6SDX (L) 18/50 | 37             | 50        |        | 583          | 553  | 533  | 517  | 480  | 430  | 360  | 274  | 171  |             |           |           | 2143 | 51   |
| 6SDX (L) 18/51 | 37             | 50        |        | 595          | 564  | 544  | 527  | 490  | 439  | 367  | 280  | 174  |             |           |           | 2181 | 52   |
| 6SDX (L) 18/52 | 37             | 50        |        | 607          | 575  | 555  | 537  | 499  | 447  | 374  | 285  | 178  |             |           |           | 2218 | 53   |
| 6SDX (L) 18/53 | 37             | 50        |        | 618          | 586  | 565  | 548  | 509  | 456  | 382  | 291  | 181  |             |           |           | 2256 | 54   |
| 6SDX (L) 18/54 | 37             | 50        |        | 630          | 598  | 576  | 558  | 518  | 464  | 389  | 296  | 185  |             |           |           | 2293 | 55   |
| 6SDX (L) 18/55 | 37             | 50        |        | 642          | 609  | 587  | 568  | 528  | 473  | 396  | 302  | 188  |             |           |           | 2331 | 56   |
| 6SDX (L) 18/56 | 37             | 50        |        | 653          | 620  | 597  | 579  | 538  | 482  | 403  | 307  | 192  |             |           |           | 2368 | 57   |
| 6SDX (L) 18/57 | 37             | 50        |        | 665          | 631  | 608  | 589  | 547  | 490  | 410  | 313  | 195  |             |           |           | 2406 | 58   |
| 6SDX (L) 18/58 | 37             | 50        |        | 677          | 642  | 619  | 599  | 557  | 499  | 418  | 318  | 198  |             |           |           | 2443 | 59   |
| 6SDX (L) 18/59 | 37             | 50        |        | 688          | 653  | 629  | 610  | 566  | 507  | 425  | 324  | 202  |             |           |           | 2481 | 60   |
| 6SDX (L) 18/60 | 37             | 50        |        | 700          | 664  | 640  | 620  | 576  | 516  | 432  | 329  | 205  |             |           |           | 2518 | 61   |



Reinforced with special collar from 6SDX(L) 18/47

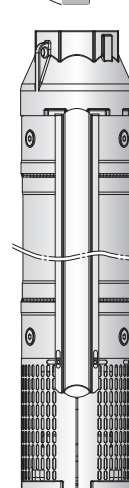
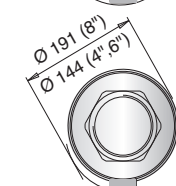
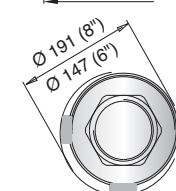
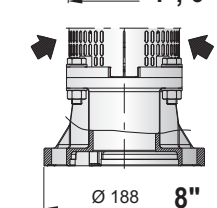
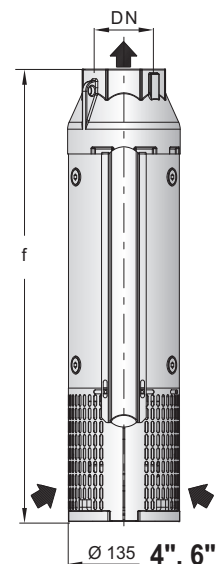
## Characteristic curves





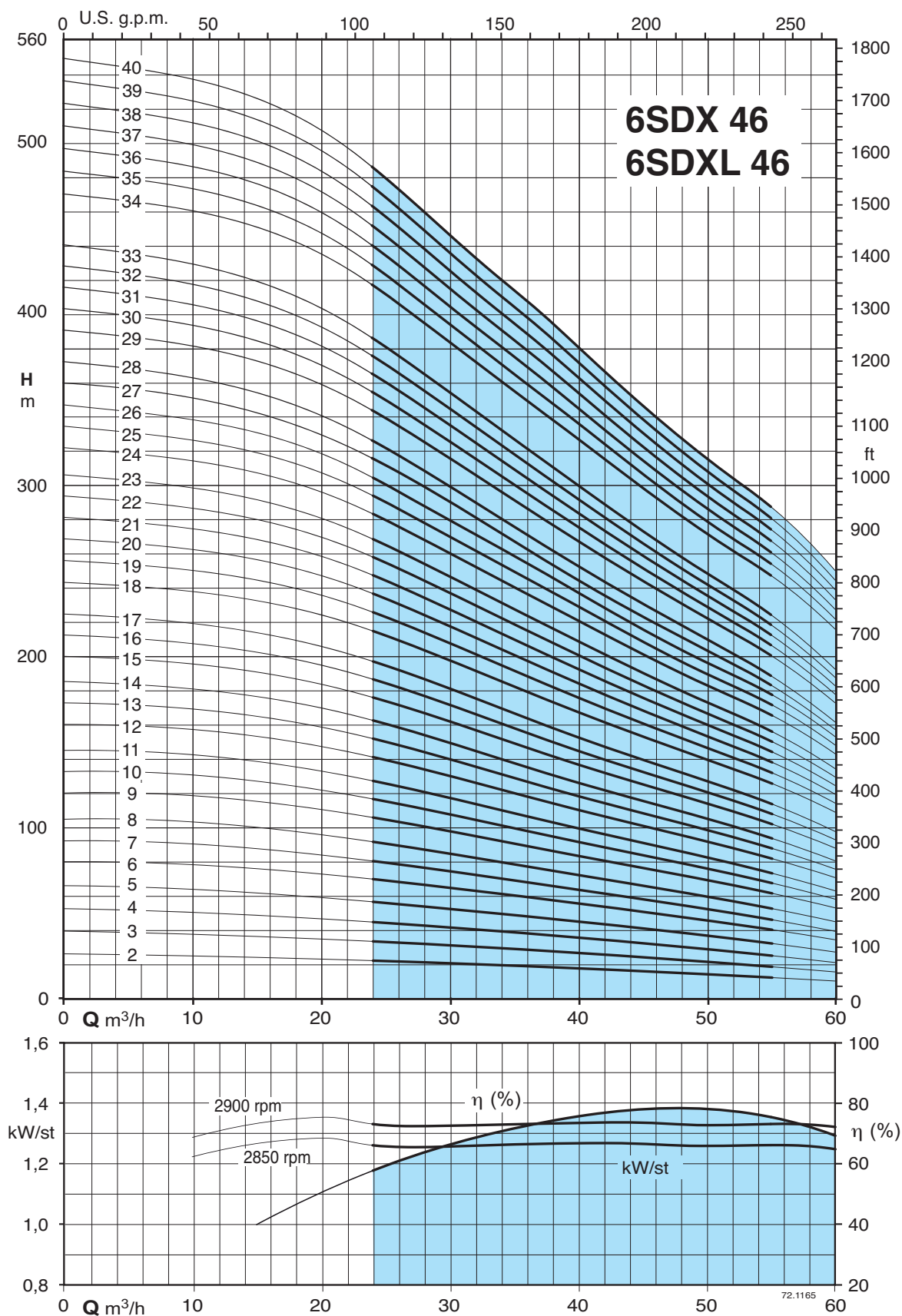
### Performance $n \approx 2900$ rpm, dimensions and weights

| 3 ~            | P <sub>2</sub> |           | Q      | n ≈ 2900 rpm |      |      |      |      |      |      |      |    | DN       | Motore    |           | f     |      |
|----------------|----------------|-----------|--------|--------------|------|------|------|------|------|------|------|----|----------|-----------|-----------|-------|------|
|                |                |           |        | m³/h         | 0    | 15   | 20   | 25   | 30   | 35   | 40   | 45 |          | -         | CS-R      |       |      |
|                | kW             | HP        | l/min  | 0            | 250  | 333  | 416  | 500  | 583  | 666  | 750  | -  |          | mm        | mm        | mm    | kg   |
| 6SDX (L) 30/3  | 4              | 5,5       | H<br>m | 46,3         | 38,9 | 36   | 33,3 | 30,2 | 26,7 | 21,7 | 15,3 | -  | Rp<br>3" | 145<br>6" | 137<br>6" | 620   | 14,7 |
| 6SDX (L) 30/4  | 5,5            | 7,5       |        | 62,5         | 52,6 | 48,8 | 45,2 | 41,1 | 36,5 | 30   | 21,4 |    |          |           |           | 705   | 16,8 |
| 6SDX (L) 30/5  | 7,5            | 10        |        | 78,6         | 66,2 | 61,5 | 56,9 | 51,8 | 46,1 | 38   | 27,4 |    |          |           |           | 790   | 18,9 |
| 6SDX (L) 30/6  | 7,5            | 10        |        | 93,1         | 78,4 | 72,6 | 67,1 | 61   | 54   | 44,1 | 31,2 |    |          |           |           | 876   | 21   |
| 6SDX (L) 30/7  | 9,2            | 12,5      |        | 110          | 92,6 | 86   | 79,7 | 72,6 | 64,6 | 53,3 | 38,4 |    |          |           |           | 961,5 | 23,1 |
| 6SDX (L) 30/8  | 11             | 15        |        | 125          | 106  | 98,1 | 90,9 | 82,7 | 73,6 | 60,5 | 43,5 |    |          |           |           | 1047  | 25,4 |
| 6SDX (L) 30/9  | 11             | 15        |        | 140          | 118  | 109  | 101  | 91,8 | 81,4 | 66,6 | 47,3 |    |          |           |           | 1132  | 27,3 |
| 6SDX (L) 30/10 | 13 (15)        | 17,5 (20) |        | 158          | 133  | 124  | 115  | 105  | 93,5 | 77,3 | 56,1 |    |          |           |           | 1218  | 29,4 |
| 6SDX (L) 30/11 | 15             | 20        |        | 173          | 146  | 135  | 125  | 114  | 102  | 83,8 | 60,4 |    |          |           |           | 1303  | 31,5 |
| 6SDX (L) 30/12 | 15             | 20        |        | 188          | 158  | 147  | 136  | 123  | 110  | 90   | 64,4 |    |          |           |           | 1389  | 33,6 |
| 6SDX (L) 30/13 | 18,5           | 25        |        | 205          | 173  | 161  | 149  | 136  | 121  | 100  | 72,4 |    |          |           |           | 1474  | 35,7 |
| 6SDX (L) 30/14 | 18,5           | 25        |        | 220          | 185  | 172  | 159  | 145  | 129  | 106  | 76,7 |    |          |           |           | 1560  | 37,8 |
| 6SDX (L) 30/15 | 22             | 30        |        | 237          | 200  | 185  | 172  | 157  | 140  | 116  | 84   |    |          |           |           | 1645  | 39,9 |
| 6SDX (L) 30/16 | 22             | 30        |        | 252          | 212  | 197  | 183  | 166  | 148  | 122  | 88,3 |    |          |           |           | 1730  | 42   |
| 6SDX (L) 30/17 | 22             | 30        |        | 267          | 224  | 208  | 193  | 176  | 156  | 129  | 92,5 |    |          |           |           | 1816  | 44,1 |
| 6SDX (L) 30/18 | 22             | 30        |        | 281          | 237  | 220  | 203  | 185  | 164  | 135  | 96,5 |    |          |           |           | 1901  | 46,1 |
| 6SDX (L) 30/19 | 26 (30)        | 35 (40)   |        | 302          | 255  | 237  | 220  | 201  | 180  | 149  | 109  |    |          |           |           | 1987  | 48,2 |
| 6SDX (L) 30/20 | 26 (30)        | 35 (40)   |        | 317          | 267  | 249  | 231  | 210  | 188  | 156  | 114  |    |          |           |           | 2072  | 50,3 |
| 6SDX (L) 30/21 | 26 (30)        | 35 (40)   |        | 332          | 280  | 260  | 241  | 220  | 197  | 163  | 118  |    |          |           |           | 2157  | 52,4 |
| 6SDX (L) 30/22 | 30             | 40        |        | 347          | 293  | 272  | 252  | 230  | 205  | 169  | 123  |    |          |           |           | 2243  | 54,5 |
| 6SDX (L) 30/23 | 30             | 40        |        | 362          | 305  | 283  | 263  | 239  | 213  | 176  | 127  |    |          |           |           | 2328  | 56,6 |
| 6SDX (L) 30/24 | 30             | 40        |        | 377          | 317  | 295  | 273  | 249  | 221  | 182  | 131  |    |          | 2414      | 58,7      |       |      |
| 6SDX (L) 30/25 | 37             | 50        |        | 395          | 333  | 309  | 287  | 261  | 233  | 193  | 140  |    |          | 2499      | 60,8      |       |      |
| 6SDX (L) 30/26 | 37             | 50        |        | 410          | 345  | 321  | 297  | 271  | 242  | 200  | 144  |    |          | 2584      | 62,9      |       |      |
| 6SDX (L) 30/27 | 37             | 50        |        | 425          | 358  | 332  | 308  | 280  | 250  | 206  | 149  |    |          | 2670      | 65        |       |      |
| 6SDX (L) 30/28 | 37             | 50        |        | 440          | 370  | 344  | 318  | 290  | 258  | 212  | 153  |    |          | 2755      | 67,2      |       |      |
| 6SDX (L) 30/29 | 37             | 50        |        | 454          | 383  | 355  | 329  | 299  | 266  | 219  | 157  |    |          | 2840      | 69,2      |       |      |
| 6SDX (L) 30/30 | 37             | 50        |        | 469          | 395  | 366  | 339  | 308  | 274  | 225  | 161  |    |          | 2926      | 71,3      |       |      |
| 6SDX (L) 30/31 | 45             | 60        |        | 490          | 413  | 384  | 356  | 324  | 289  | 239  | 174  |    |          | 3011      | 75,2      |       |      |
| 6SDX (L) 30/32 | 45             | 60        |        | 505          | 425  | 395  | 366  | 334  | 298  | 246  | 178  |    |          | 3096      | 78,3      |       |      |
| 6SDX (L) 30/33 | 45             | 60        |        | 520          | 438  | 407  | 377  | 343  | 306  | 252  | 182  |    |          | 3182      | 80,4      |       |      |
| 6SDX (L) 30/34 | 45             | 60        |        | 535          | 450  | 418  | 387  | 353  | 314  | 259  | 186  |    |          | 3267      | 82,5      |       |      |
| 6SDX (L) 30/35 | 45             | 60        |        | 549          | 463  | 429  | 398  | 362  | 322  | 265  | 190  |    |          | 3352      | 84,6      |       |      |
| 6SDX (L) 30/36 | 45             | 60        |        | 564          | 475  | 441  | 408  | 371  | 330  | 271  | 194  |    |          | 3438      | 87,9      |       |      |
| 6SDX (L) 30/37 | 45             | 60        |        | 579          | 487  | 452  | 418  | 380  | 338  | 277  | 198  |    |          | 3523      | 90        |       |      |
| 6SDX (L) 30/38 | 51 (55)        | 70 (75)   |        | 613          | 517  | 482  | 448  | 410  | 369  | 309  | 229  |    |          | 3709      | 92,3      |       |      |
| 6SDX (L) 30/39 | 51 (55)        | 70 (75)   |        | 628          | 530  | 494  | 459  | 420  | 378  | 316  | 234  |    |          | 3794      | 94,5      |       |      |
| 6SDX (L) 30/40 | 51 (55)        | 70 (75)   |        | 644          | 543  | 506  | 471  | 430  | 387  | 323  | 240  |    |          | 3879      | 96,6      |       |      |
| 6SDX (L) 30/41 | 51 (55)        | 70 (75)   |        | 659          | 557  | 518  | 482  | 440  | 396  | 330  | 245  |    |          | 3965      | 97,6      |       |      |
| 6SDX (L) 30/42 | 55             | 75        |        | 675          | 569  | 530  | 493  | 450  | 404  | 338  | 250  |    |          | 4050      | 98,7      |       |      |
| 6SDX (L) 30/43 | 55             | 75        |        | 690          | 582  | 542  | 504  | 460  | 413  | 345  | 255  |    |          | 4135      | 99,8      |       |      |



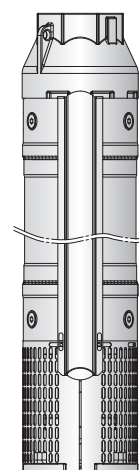
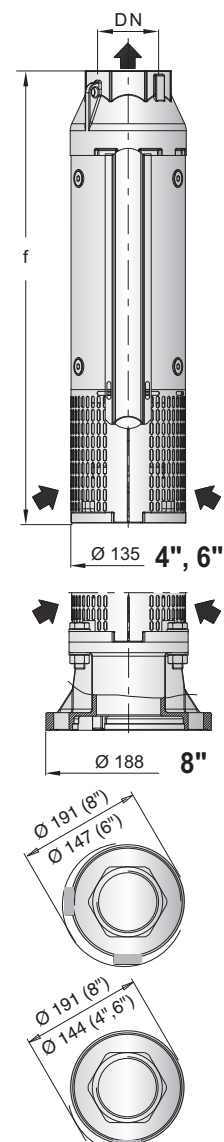
Reinforced with special collar from 6SDX(L) 30/36

## Characteristic curves



### Performance $n \approx 2900$ rpm, dimensions and weights

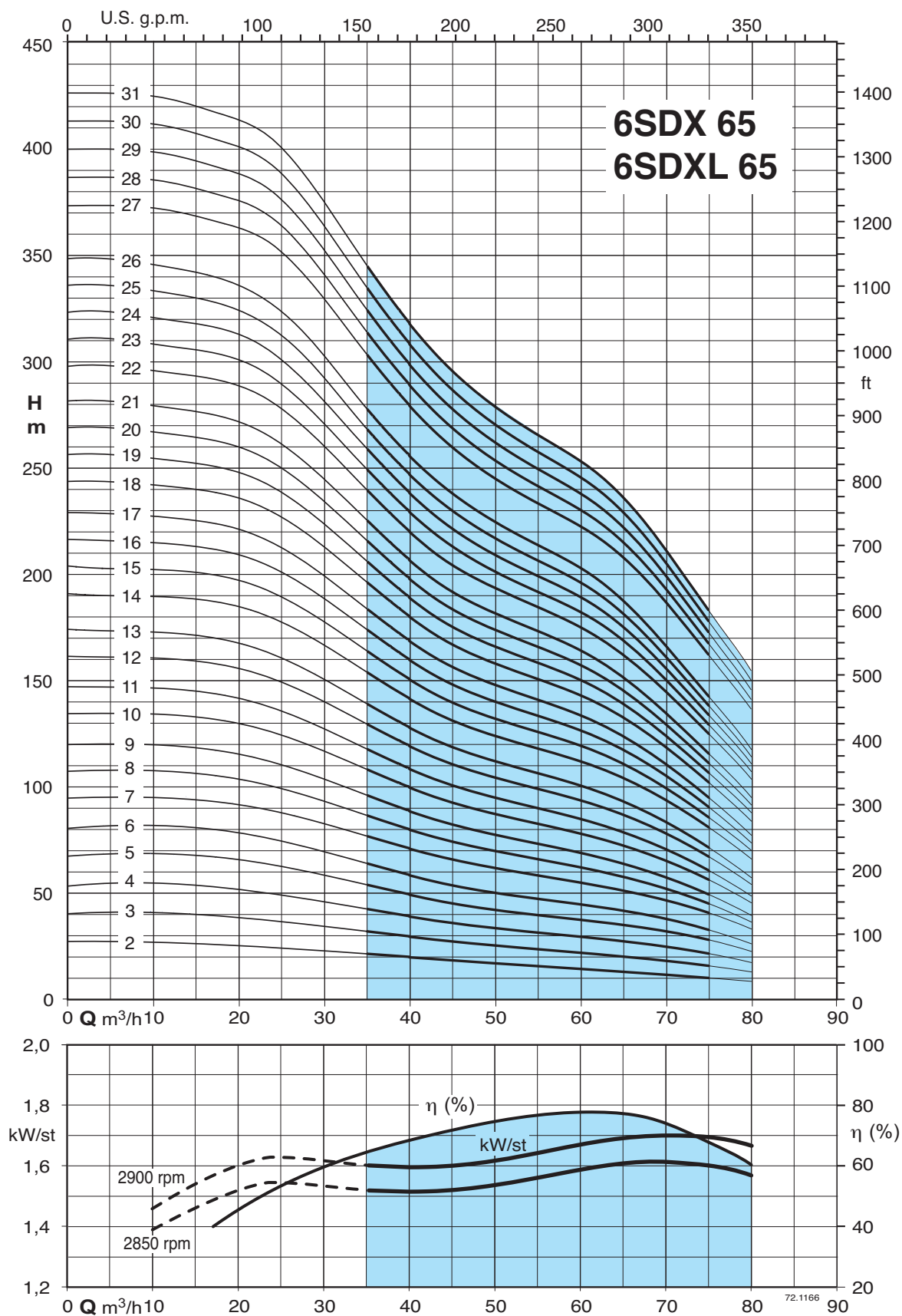
| 3 ~            | P <sub>2</sub> |           | Q      | n ≈ 2900 rpm |      |      |      |      |      |      |      |      |    |   |          | DN        | Motore    |         |         |     |      |      |      |      |
|----------------|----------------|-----------|--------|--------------|------|------|------|------|------|------|------|------|----|---|----------|-----------|-----------|---------|---------|-----|------|------|------|------|
|                |                |           |        | m³/h         | 0    | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60 | - | -        |           | CS-R      | FK      | f       |     |      |      |      |      |
|                | kW             | HP        | l/min  | 0            | 416  | 500  | 583  | 666  | 750  | 833  | 916  | 1000 | -  | - | mm       |           | mm        | mm      | kg      |     |      |      |      |      |
|                |                |           |        |              |      |      |      |      |      |      |      |      |    |   |          |           |           |         |         |     |      |      |      |      |
| 6SDX (L) 46/2  | 3              | 4         | H<br>m | 26,4         | 22,6 | 20,9 | 19,3 | 17,8 | 16,6 | 15,1 | 13,4 | 11,3 | -  | - | Rp<br>3" | 145<br>6" | 137<br>6" | 96 - 4" | 96 - 4" | 594 | 13,5 |      |      |      |
| 6SDX (L) 46/3  | 4              | 5,5       |        | 39,4         | 33,8 | 31,2 | 28,8 | 26,6 | 24,7 | 22,5 | 19,9 | 16,8 |    |   |          |           |           |         |         |     |      |      | 705  | 16,2 |
| 6SDX (L) 46/4  | 5,5            | 7,5       |        | 52,5         | 45   | 41,5 | 38,3 | 35,5 | 32,9 | 29,9 | 26,5 | 22,3 |    |   |          |           |           |         |         |     |      |      | 819  | 18,8 |
| 6SDX (L) 46/5  | 7,5            | 10        |        | 66,1         | 56,8 | 52,3 | 48,3 | 44,7 | 41,5 | 37,8 | 33,6 | 28,4 |    |   |          |           |           |         |         |     |      |      | 933  | 21,4 |
| 6SDX (L) 46/6  | 9,2            | 12,5      |        | 80,7         | 70   | 65,2 | 60,4 | 55,5 | 50,3 | 46   | 41,6 | 35,7 |    |   |          |           |           |         |         |     |      |      | 1047 | 24,0 |
| 6SDX (L) 46/7  | 9,2            | 12,5      |        | 93,1         | 80,4 | 74,8 | 69,3 | 63,5 | 57,6 | 52,7 | 47,5 | 40,5 |    |   |          |           |           |         |         |     |      |      | 1161 | 26,6 |
| 6SDX (L) 46/8  | 11             | 15        |        | 106          | 91,6 | 85,1 | 78,9 | 72,2 | 65,5 | 59,9 | 54   | 46   |    |   |          |           |           |         |         |     |      |      | 1275 | 29,2 |
| 6SDX (L) 46/9  | 13 (15)        | 17,5 (20) |        | 121          | 105  | 98,2 | 91   | 83,7 | 75,9 | 69,5 | 62,9 | 54,1 |    |   |          |           |           |         |         |     |      |      | 1389 | 31,8 |
| 6SDX (L) 46/10 | 13 (15)        | 17,5 (20) |        | 134          | 116  | 108  | 100  | 91,9 | 83,3 | 76,2 | 68,9 | 59   |    |   |          |           |           |         |         |     |      |      | 1503 | 34,4 |
| 6SDX (L) 46/11 | 15             | 20        |        | 146          | 126  | 118  | 109  | 99,9 | 90,5 | 82,8 | 74,7 | 63,7 |    |   |          |           |           |         |         |     |      |      | 1617 | 37,0 |
| 6SDX (L) 46/12 | 18,5           | 25        |        | 161          | 140  | 130  | 120  | 111  | 101  | 92   | 83,3 | 71,4 |    |   |          |           |           |         |         |     |      |      | 1730 | 39,6 |
| 6SDX (L) 46/13 | 18,5           | 25        |        | 174          | 150  | 140  | 130  | 119  | 108  | 98,7 | 89,2 | 76,3 |    |   |          |           |           |         |         |     |      |      | 1844 | 42,2 |
| 6SDX (L) 46/14 | 18,5           | 25        |        | 186          | 161  | 149  | 139  | 127  | 115  | 105  | 95   | 81   |    |   |          |           |           |         |         |     |      |      | 1958 | 44,8 |
| 6SDX (L) 46/15 | 22             | 30        |        | 201          | 174  | 162  | 150  | 138  | 125  | 114  | 103  | 88,4 |    |   |          |           |           |         |         |     |      |      | 2072 | 47,4 |
| 6SDX (L) 46/16 | 22             | 30        |        | 213          | 184  | 171  | 159  | 146  | 132  | 121  | 109  | 93,2 |    |   |          |           |           |         |         |     |      |      | 2186 | 50,1 |
| 6SDX (L) 46/17 | 22             | 30        |        | 225          | 195  | 181  | 168  | 154  | 139  | 127  | 115  | 97,8 |    |   |          |           |           |         |         |     |      |      | 2300 | 52,7 |
| 6SDX (L) 46/18 | 26 (30)        | 35 (40)   |        | 244          | 212  | 198  | 183  | 169  | 153  | 140  | 127  | 109  |    |   |          |           |           |         |         |     |      |      | 2414 | 55,3 |
| 6SDX (L) 46/19 | 26 (30)        | 35 (40)   |        | 257          | 223  | 208  | 192  | 177  | 160  | 147  | 133  | 114  |    |   |          |           |           |         |         |     |      |      | 2527 | 57,9 |
| 6SDX (L) 46/20 | 30             | 40        |        | 269          | 234  | 218  | 208  | 185  | 168  | 154  | 139  | 119  |    |   |          |           |           |         |         |     | 2641 | 60,5 |      |      |
| 6SDX (L) 46/21 | 30             | 40        |        | 282          | 244  | 227  | 211  | 193  | 175  | 160  | 145  | 124  |    |   |          |           |           |         |         |     | 2755 | 63,1 |      |      |
| 6SDX (L) 46/22 | 30             | 40        |        | 294          | 255  | 237  | 220  | 202  | 183  | 167  | 151  | 129  |    |   |          |           |           |         |         |     | 2869 | 65,7 |      |      |
| 6SDX (L) 46/23 | 30             | 40        |        | 307          | 265  | 247  | 229  | 209  | 190  | 174  | 157  | 134  |    |   |          |           |           |         |         |     | 2983 | 68,3 |      |      |
| 6SDX (L) 46/24 | 37             | 50        |        | 322          | 280  | 260  | 241  | 222  | 201  | 184  | 166  | 143  |    |   |          |           |           |         |         |     | 3096 | 70,9 |      |      |
| 6SDX (L) 46/25 | 37             | 50        |        | 335          | 290  | 270  | 250  | 230  | 208  | 191  | 172  | 147  |    |   |          |           |           |         |         |     | 3210 | 73,5 |      |      |
| 6SDX (L) 46/26 | 37             | 50        |        | 347          | 301  | 280  | 259  | 238  | 216  | 197  | 178  | 152  |    |   |          |           |           |         |         |     | 3324 | 76,1 |      |      |
| 6SDX (L) 46/27 | 37             | 50        |        | 360          | 311  | 289  | 268  | 246  | 223  | 204  | 184  | 157  |    |   |          |           |           |         |         |     | 3438 | 79,3 |      |      |
| 6SDX (L) 46/28 | 37             | 50        |        | 372          | 321  | 299  | 277  | 254  | 230  | 210  | 190  | 162  |    |   |          |           |           |         |         |     | 3552 | 82,0 |      |      |
| 6SDX (L) 46/29 | 45             | 60        |        | 390          | 339  | 315  | 292  | 268  | 243  | 223  | 201  | 173  |    |   |          |           |           |         |         |     | 3665 | 87,4 |      |      |
| 6SDX (L) 46/30 | 45             | 60        |        | 403          | 349  | 325  | 301  | 276  | 251  | 229  | 207  | 178  |    |   |          |           |           |         |         |     | 3779 | 90,0 |      |      |
| 6SDX (L) 46/31 | 45             | 60        |        | 415          | 360  | 334  | 310  | 284  | 258  | 236  | 213  | 183  |    |   |          |           |           |         |         |     | 3893 | 92,6 |      |      |
| 6SDX (L) 46/32 | 45             | 60        |        | 427          | 370  | 344  | 319  | 292  | 265  | 243  | 219  | 187  |    |   |          |           |           |         |         |     | 4007 | 95,2 |      |      |
| 6SDX (L) 46/33 | 45             | 60        |        | 440          | 380  | 353  | 328  | 300  | 272  | 249  | 225  | 192  |    |   |          |           |           |         |         |     | 4121 | 97,8 |      |      |
| 6SDX (L) 46/34 | 51 (55)        | 70 (75)   |        | 469          | 411  | 383  | 355  | 328  | 298  | 272  | 248  | 216  |    |   |          |           |           |         |         |     | 4335 | 101  |      |      |
| 6SDX (L) 46/35 | 51 (55)        | 70 (75)   |        | 482          | 422  | 394  | 365  | 337  | 306  | 279  | 255  | 221  |    |   |          |           |           |         |         |     | 4449 | 103  |      |      |
| 6SDX (L) 46/36 | 51 (55)        | 70 (75)   |        | 496          | 434  | 404  | 374  | 346  | 314  | 287  | 261  | 227  |    |   |          |           |           |         |         |     | 4562 | 106  |      |      |
| 6SDX (L) 46/37 | 51 (55)        | 70 (75)   |        | 509          | 445  | 415  | 384  | 355  | 322  | 294  | 268  | 233  |    |   |          |           |           |         |         |     | 4676 | 109  |      |      |
| 6SDX (L) 46/38 | 55             | 75        |        | 522          | 456  | 425  | 394  | 364  | 330  | 302  | 275  | 238  |    |   |          |           |           |         |         |     | 4790 | 111  |      |      |
| 6SDX (L) 46/39 | 55             | 75        |        | 535          | 467  | 436  | 403  | 372  | 338  | 309  | 281  | 244  |    |   |          |           |           |         |         |     | 4904 | 114  |      |      |
| 6SDX (L) 46/40 | 55             | 75        |        | 548          | 479  | 446  | 413  | 381  | 346  | 316  | 288  | 249  |    |   |          |           |           |         |         |     | 5018 | 117  |      |      |



Reinforced with special collar from 6SDX(L) 46/27

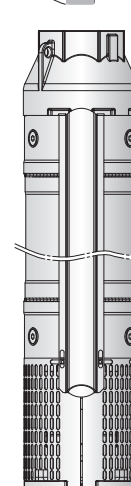
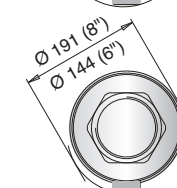
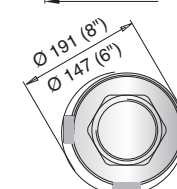
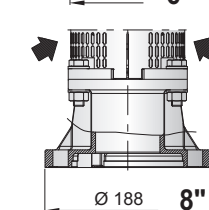
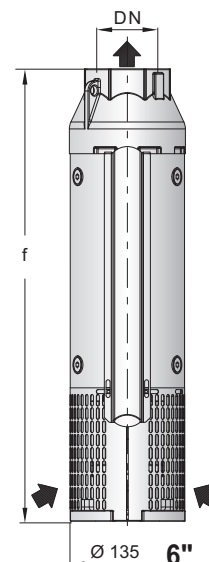


## Characteristic curves



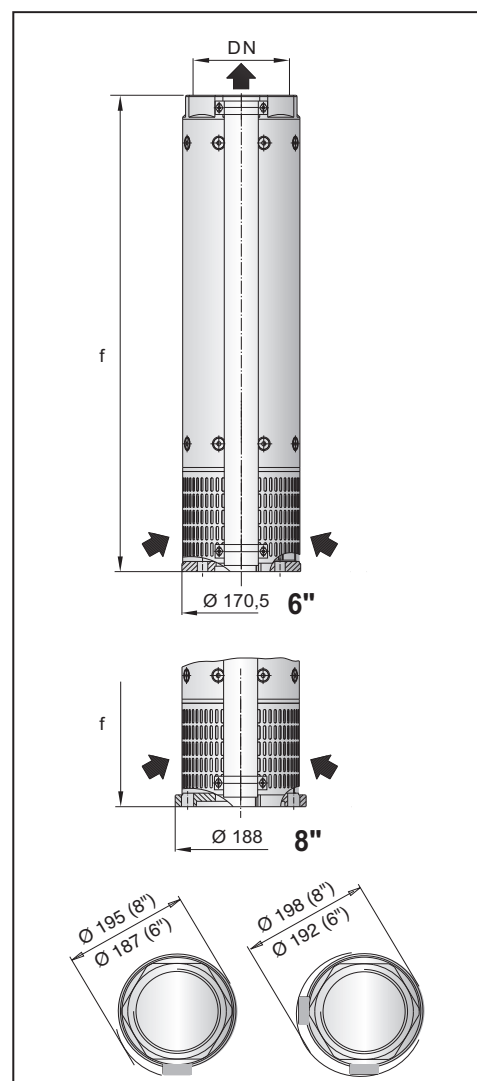
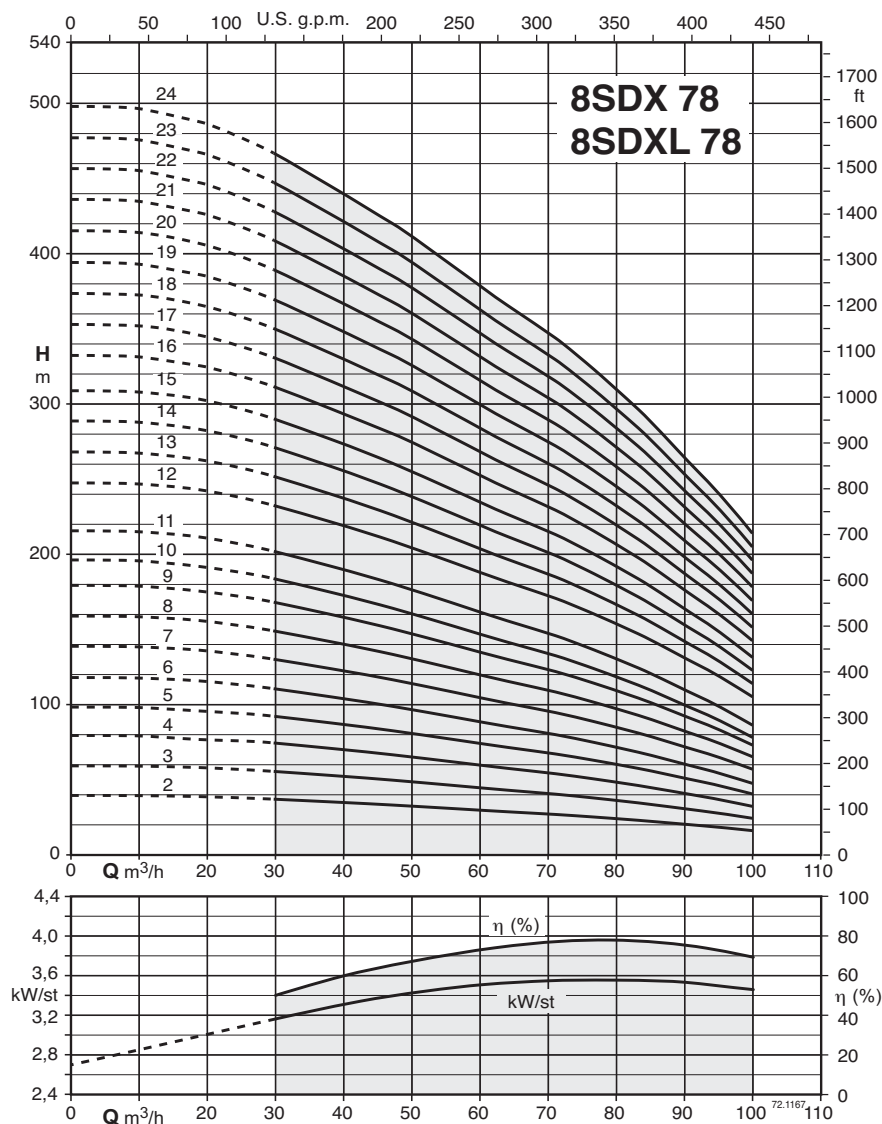
### Performance $n \approx 2900$ rpm, dimensions and weights

| 3 ~            | P <sub>2</sub> |           | Q      | n ≈ 2900 rpm |      |      |      |      |      |      |      |      |      |      |          | DN        | Motore    |      | f    |  |
|----------------|----------------|-----------|--------|--------------|------|------|------|------|------|------|------|------|------|------|----------|-----------|-----------|------|------|--|
|                |                |           |        | m³/h         | 0    | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80       |           | CS-R      | FK   |      |  |
|                | kW             | HP        | l/min  | 0            | 583  | 666  | 750  | 833  | 916  | 1000 | 1083 | 1166 | 1250 | 1333 | mm       |           | mm        | mm   |      |  |
| 6SDX (L) 65/2  | 4              | 5,5       | H<br>m | 26,8         | 21,1 | 19   | 17,3 | 16,5 | 15,7 | 14,9 | 13,9 | 12,4 | 10,5 | 8,2  | Rp<br>3" | 145<br>6" | 137<br>6" | 592  | 13,6 |  |
| 6SDX (L) 65/3  | 5,5            | 7,5       |        | 40,4         | 31,8 | 28,8 | 26,2 | 24,9 | 23,7 | 22,5 | 21   | 18,9 | 16   | 12,6 |          |           |           | 705  | 16,2 |  |
| 6SDX (L) 65/4  | 7,5            | 10        |        | 54           | 42,5 | 38,4 | 35   | 33,2 | 31,6 | 30,1 | 28   | 25,2 | 21,4 | 16,9 |          |           |           | 819  | 18,8 |  |
| 6SDX (L) 65/5  | 9,2            | 12,5      |        | 68           | 53,8 | 48,7 | 44,3 | 41,9 | 40,1 | 38,2 | 35,6 | 32,2 | 27,5 | 22   |          |           |           | 933  | 21,4 |  |
| 6SDX (L) 65/6  | 11             | 15        |        | 81,2         | 64   | 57,9 | 52,7 | 50   | 47,7 | 45,3 | 42,3 | 38,1 | 32,3 | 25,7 |          |           |           | 1047 | 24,0 |  |
| 6SDX (L) 65/7  | 13 (15)        | 17,5 (20) |        | 94,9         | 76,2 | 70,1 | 65,2 | 61,7 | 58,6 | 55,7 | 52,1 | 46,1 | 39,7 | 33,4 |          |           |           | 1161 | 26,7 |  |
| 6SDX (L) 65/8  | 15             | 20        |        | 108          | 86   | 79,1 | 73,5 | 69,7 | 66,1 | 62,8 | 58,5 | 51,6 | 44,3 | 37   |          |           |           | 1275 | 29,3 |  |
| 6SDX (L) 65/9  | 15             | 20        |        | 120          | 95,5 | 87,8 | 81,5 | 77,4 | 73,4 | 69,6 | 64,6 | 56,8 | 48,6 | 40,2 |          |           |           | 1389 | 31,9 |  |
| 6SDX (L) 65/10 | 18,5           | 25        |        | 134          | 108  | 99   | 91,9 | 87,2 | 82,7 | 78,5 | 73,2 | 64,6 | 55,5 | 46,3 |          |           |           | 1503 | 34,5 |  |
| 6SDX (L) 65/11 | 18,5           | 25        |        | 147          | 117  | 108  | 100  | 95   | 90   | 85,4 | 79,4 | 69,8 | 59,9 | 49,6 |          |           |           | 1617 | 37,1 |  |
| 6SDX (L) 65/12 | 22             | 30        |        | 161          | 129  | 118  | 110  | 104  | 99,1 | 94,1 | 87,6 | 77,3 | 66,3 | 55,3 |          |           |           | 1730 | 39,7 |  |
| 6SDX (L) 65/13 | 22             | 30        |        | 174          | 138  | 127  | 118  | 112  | 106  | 101  | 93,8 | 82,5 | 70,8 | 58,6 |          |           |           | 1844 | 42,4 |  |
| 6SDX (L) 65/14 | 26 (30)        | 35 (40)   |        | 190          | 153  | 141  | 131  | 124  | 118  | 112  | 105  | 93   | 80,2 | 67,7 |          |           |           | 1958 | 44,9 |  |
| 6SDX (L) 65/15 | 26 (30)        | 35 (40)   |        | 203          | 163  | 150  | 140  | 132  | 126  | 119  | 111  | 98,7 | 85   | 71,5 |          |           |           | 2072 | 47,5 |  |
| 6SDX (L) 65/16 | 30             | 40        |        | 216          | 173  | 159  | 148  | 140  | 133  | 126  | 118  | 104  | 89,7 | 75,2 |          |           |           | 2186 | 50,2 |  |
| 6SDX (L) 65/17 | 30             | 40        |        | 229          | 183  | 168  | 156  | 148  | 141  | 133  | 124  | 110  | 94,3 | 78,8 |          |           |           | 2300 | 52,8 |  |
| 6SDX (L) 65/18 | 37             | 50        |        | 243          | 195  | 180  | 167  | 158  | 150  | 143  | 133  | 118  | 101  | 85,2 |          |           |           | 2414 | 55,4 |  |
| 6SDX (L) 65/19 | 37             | 50        |        | 256          | 205  | 189  | 175  | 166  | 158  | 150  | 140  | 123  | 106  | 88,9 |          |           |           | 2527 | 58,0 |  |
| 6SDX (L) 65/20 | 37             | 50        |        | 269          | 215  | 198  | 184  | 174  | 165  | 157  | 146  | 129  | 111  | 92,4 |          |           |           | 2641 | 60,7 |  |
| 6SDX (L) 65/21 | 37             | 50        |        | 281          | 225  | 206  | 192  | 182  | 173  | 164  | 152  | 134  | 115  | 95,7 |          |           |           | 2755 | 63,3 |  |
| 6SDX (L) 65/22 | 45             | 60        |        | 298          | 239  | 220  | 204  | 194  | 184  | 175  | 163  | 144  | 124  | 104  |          |           |           | 2869 | 68,7 |  |
| 6SDX (L) 65/23 | 45             | 60        |        | 310          | 249  | 229  | 213  | 202  | 191  | 182  | 170  | 150  | 129  | 108  |          |           |           | 2983 | 71,3 |  |
| 6SDX (L) 65/24 | 45             | 60        |        | 323          | 259  | 238  | 221  | 209  | 199  | 189  | 176  | 155  | 133  | 111  |          |           |           | 3096 | 73,9 |  |
| 6SDX (L) 65/25 | 45             | 60        |        | 336          | 268  | 247  | 229  | 217  | 206  | 196  | 182  | 161  | 138  | 115  |          |           |           | 3210 | 76,5 |  |
| 6SDX (L) 65/26 | 45             | 60        |        | 348          | 278  | 255  | 237  | 225  | 213  | 202  | 188  | 166  | 142  | 118  |          |           |           | 3324 | 79,1 |  |
| 6SDX (L) 65/27 | 51 (55)        | 70 (75)   |        | 373          | 303  | 279  | 259  | 245  | 233  | 222  | 208  | 186  | 162  | 137  |          | 191<br>8" | 196<br>8" | 3538 | 82,6 |  |
| 6SDX (L) 65/28 | 51 (55)        | 70 (75)   |        | 386          | 313  | 288  | 268  | 253  | 241  | 229  | 216  | 193  | 167  | 142  |          |           |           | 3652 | 85,3 |  |
| 6SDX (L) 65/29 | 51 (55)        | 70 (75)   |        | 399          | 324  | 298  | 277  | 262  | 249  | 237  | 223  | 199  | 172  | 146  |          |           |           | 3765 | 87,9 |  |
| 6SDX (L) 65/30 | 55             | 75        |        | 413          | 334  | 308  | 286  | 270  | 258  | 245  | 230  | 205  | 177  | 151  |          |           |           | 3879 | 90,5 |  |
| 6SDX (L) 65/31 | 55             | 75        |        | 426          | 345  | 317  | 295  | 279  | 265  | 252  | 237  | 211  | 183  | 155  |          |           |           | 3993 | 93,2 |  |



Reinforced with special collar from 6SDX(L) 65/27

### Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3 ~                      | P <sub>2</sub> |          | Q      | n ≈ 2900 rpm |      |      |      |      |      |      |      |      |  | DN       | Motor     |           | f    | 8SDXL |
|--------------------------|----------------|----------|--------|--------------|------|------|------|------|------|------|------|------|--|----------|-----------|-----------|------|-------|
|                          |                |          |        |              |      |      |      |      |      |      |      |      |  |          | CS-R      | FK        |      |       |
|                          | kW             | HP       | m³/h   | 0            | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  |  |          | mm        | mm        |      |       |
| 8SDX 78/2 - 8SDXL 78/2   | 7,5            | 10       | H<br>m | 39,9         | 37,1 | 34,9 | 32,6 | 29,7 | 27,1 | 24,3 | 20,4 | 16,3 |  | Rp<br>5" | 145<br>6" | 137<br>6" | 644  | 31,5  |
| 8SDX 78/3 - 8SDXL 78/3   | 11             | 15       |        | 59,8         | 55,7 | 52,3 | 48,9 | 44,6 | 40,7 | 36,4 | 30,6 | 24,4 |  |          |           |           | 770  | 36,5  |
| 8SDX 78/4 - 8SDXL 78/4   | 15             | 20       |        | 79,7         | 74,3 | 69,7 | 65,1 | 59,4 | 54,3 | 48,6 | 40,9 | 32,6 |  |          |           |           | 896  | 41,5  |
| 8SDX 78/5 - 8SDXL 78/5   | 18,5           | 25       |        | 99,6         | 92,9 | 87,1 | 81,4 | 74,3 | 67,9 | 60,7 | 51,1 | 40,7 |  |          |           |           | 1022 | 46,5  |
| 8SDX 78/6 - 8SDXL 78/6   | 22             | 30       |        | 120          | 111  | 105  | 97,7 | 89,1 | 81,4 | 72,9 | 61,3 | 48,9 |  |          |           |           | 1148 | 51    |
| 8SDX 78/7 - 8SDXL 78/7   | 26 (30)        | 35 (40)  |        | 140          | 130  | 122  | 114  | 104  | 95   | 85   | 71,5 | 57   |  |          |           |           | 1274 | 56    |
| 8SDX 78/8 - 8SDXL 78/8   | 30             | 40       |        | 156          | 146  | 138  | 128  | 117  | 107  | 94,5 | 80   | 63,3 |  |          |           |           | 1400 | 61    |
| 8SDX 78/9 - 8SDXL 78/9   | 37             | 50       |        | 176          | 164  | 155  | 144  | 132  | 120  | 106  | 90   | 71,2 |  |          |           |           | 1526 | 66    |
| 8SDX 78/10 - 8SDXL 78/10 | 37             | 50       |        | 195          | 183  | 173  | 160  | 147  | 134  | 118  | 100  | 79,1 |  |          |           |           | 1652 | 71    |
| 8SDX 78/11 - 8SDXL 78/11 | 45             | 60       |        | 215          | 201  | 190  | 176  | 162  | 147  | 130  | 110  | 87   |  |          |           |           | 1778 | 76    |
| 8SDX 78/12 - 8SDXL 78/12 | 45             | 60       |        | 248          | 232  | 218  | 203  | 187  | 171  | 154  | 130  | 105  |  |          | 1909      | 82        |      |       |
| 8SDX 78/13 - 8SDXL 78/13 | 51 (55)        | 70 (75)  |        | 268          | 251  | 237  | 220  | 203  | 185  | 166  | 141  | 114  |  |          | 2035      | 87        |      |       |
| 8SDX 78/14 - 8SDXL 78/14 | 51 (55)        | 70 (75)  |        | 289          | 271  | 255  | 237  | 218  | 200  | 179  | 152  | 122  |  |          | 2161      | 92        |      |       |
| 8SDX 78/15 - 8SDXL 78/15 | 55             | 75       |        | 310          | 290  | 273  | 254  | 234  | 214  | 192  | 163  | 131  |  |          | 2287      | 97        |      |       |
| 8SDX 78/16 - 8SDXL 78/16 | 59 (75)        | 80 (100) |        | 332          | 312  | 293  | 274  | 252  | 232  | 206  | 176  | 143  |  |          | 2413      | 101,5     |      |       |
| 8SDX 78/17 - 8SDXL 78/17 | 66 (75)        | 90 (100) |        | 353          | 332  | 311  | 292  | 268  | 247  | 219  | 187  | 152  |  |          | 2539      | 106,5     |      |       |
| 8SDX 78/18 - 8SDXL 78/18 | 66 (75)        | 90 (100) |        | 374          | 351  | 329  | 309  | 284  | 261  | 232  | 198  | 161  |  |          | 2665      | 111,5     |      |       |
| 8SDX 78/19 - 8SDXL 78/19 | 75             | 100      |        | 394          | 371  | 348  | 326  | 299  | 276  | 245  | 209  | 170  |  |          | 2791      | 116,5     |      |       |
| 8SDX 78/20 - 8SDXL 78/20 | 75             | 100      |        | 415          | 390  | 366  | 343  | 315  | 290  | 258  | 220  | 179  |  |          | 2917      | 121       |      |       |
| 8SDX 78/21 - 8SDXL 78/21 | 75             | 100      |        | 436          | 409  | 385  | 361  | 331  | 304  | 271  | 231  | 187  |  |          | 3043      | 126       |      |       |
| 8SDX 78/22 - 8SDXL 78/22 | 92             | 125      |        | 457          | 428  | 403  | 378  | 347  | 318  | 284  | 242  | 196  |  |          | 3169      | 131       |      |       |
| 8SDX 78/23 - 8SDXL 78/23 | 92             | 125      |        | 478          | 448  | 422  | 395  | 363  | 333  | 297  | 253  | 205  |  |          | 3295      | 136       |      |       |
| 8SDX 78/24 - 8SDXL 78/24 | 92             | 125      |        | 499          | 467  | 440  | 412  | 379  | 347  | 310  | 264  | 214  |  |          | 3421      | 141       |      |       |

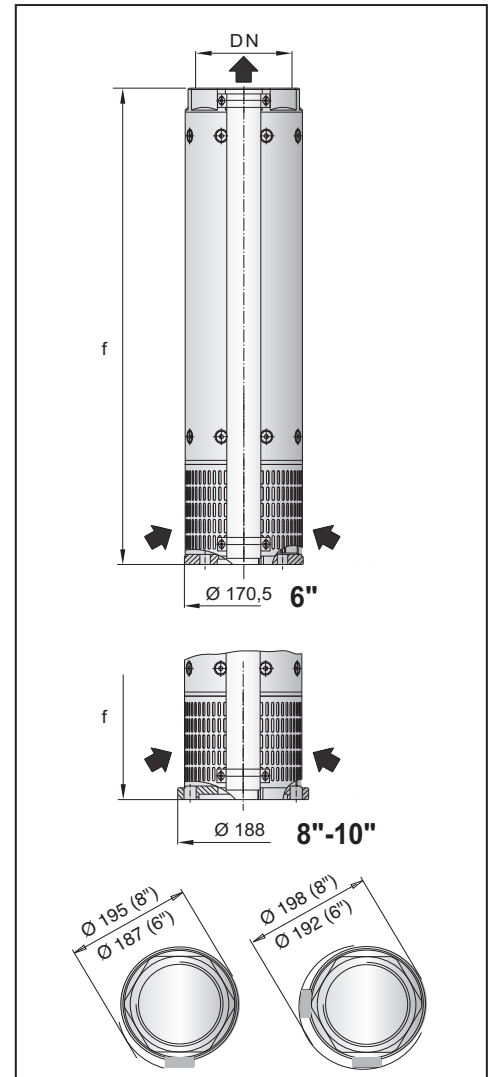
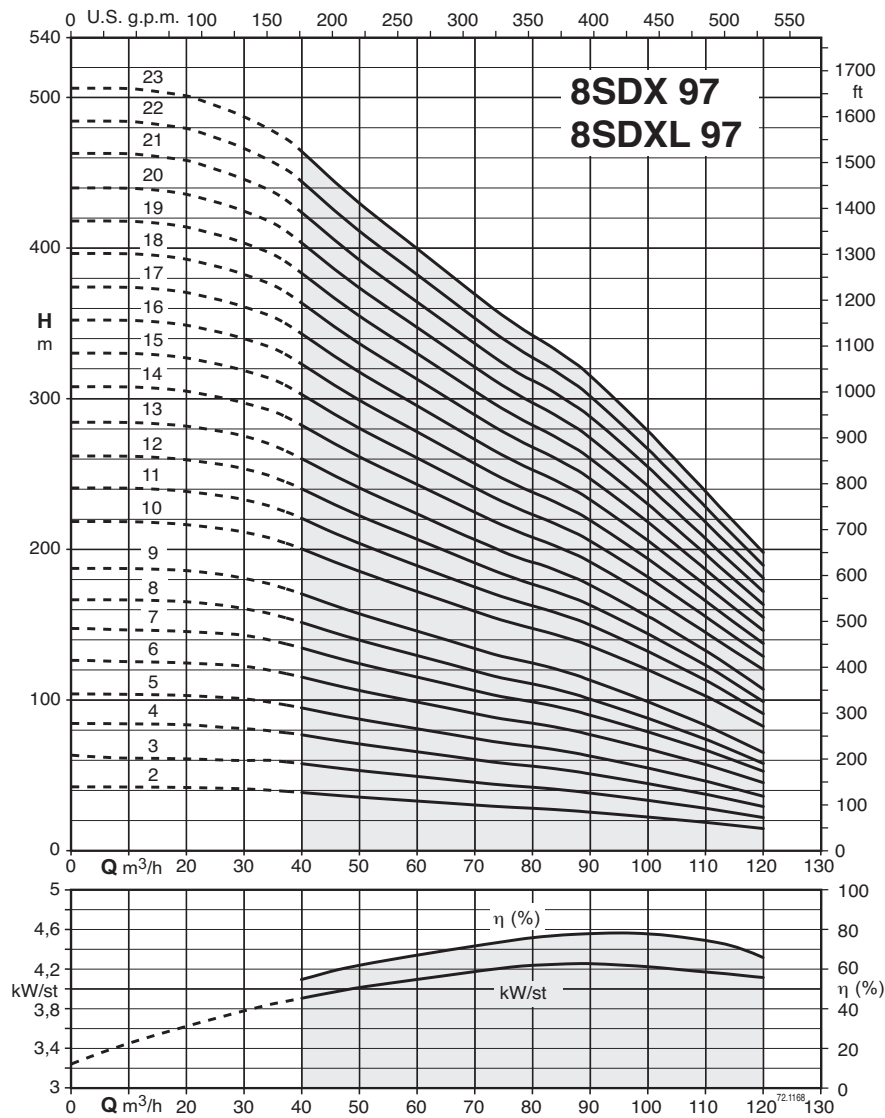
P<sub>2</sub> Rated motor power output

(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012

### Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3 ~                      | P <sub>2</sub> |           | Q      | n ≈ 2900 rpm |      |      |      |      |      |      |      |      |      | DN         | Motor     |      | f     | 8SDXL |
|--------------------------|----------------|-----------|--------|--------------|------|------|------|------|------|------|------|------|------|------------|-----------|------|-------|-------|
|                          |                |           |        |              |      |      |      |      |      |      |      |      |      |            | CS-R      | FK   |       |       |
|                          | kW             | HP        | m³/h   | 0            | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  |            | mm        | mm   |       |       |
|                          |                |           | l/min  | 0            | 666  | 833  | 1000 | 1166 | 1333 | 1500 | 1666 | 1833 | 2000 |            |           |      |       |       |
| 8SDX 97/2 - 8SDXL 97/2   | 9,2            | 12,5      | H<br>m | 41,2         | 38,6 | 35,2 | 32,2 | 29,8 | 27,8 | 24,8 | 21,8 | 18,6 | 14,8 | 145<br>6"  | 137<br>6" | 644  | 31,5  |       |
| 8SDX 97/3 - 8SDXL 97/3   | 13 (15)        | 17,5 (20) |        | 61,8         | 57,9 | 52,8 | 48,3 | 44,7 | 41,7 | 37,2 | 32,7 | 27,9 | 22,2 |            |           | 770  | 36,5  |       |
| 8SDX 97/4 - 8SDXL 97/4   | 18,5           | 25        |        | 82,4         | 77,2 | 70,4 | 64,4 | 59,6 | 55,6 | 49,6 | 43,6 | 37,2 | 29,6 |            |           | 896  | 41,5  |       |
| 8SDX 97/5 - 8SDXL 97/5   | 22             | 30        |        | 103          | 96,5 | 88   | 80,5 | 74,5 | 69,5 | 62   | 54,5 | 46,5 | 37   |            |           | 1022 | 46    |       |
| 8SDX 97/6 - 8SDXL 97/6   | 26 (30)        | 35 (40)   |        | 125          | 113  | 105  | 96,7 | 89   | 82,7 | 75   | 66,3 | 55   | 44   |            |           | 1148 | 51    |       |
| 8SDX 97/7 - 8SDXL 97/7   | 30             | 40        |        | 146          | 132  | 123  | 113  | 104  | 96,4 | 87,5 | 77,4 | 64,2 | 51,3 |            |           | 1274 | 56    |       |
| 8SDX 97/8 - 8SDXL 97/8   | 37             | 50        |        | 167          | 151  | 140  | 129  | 119  | 110  | 100  | 88,4 | 73,3 | 58,7 |            |           | 1400 | 61    |       |
| 8SDX 97/9 - 8SDXL 97/9   | 37             | 50        |        | 188          | 170  | 158  | 145  | 134  | 124  | 113  | 99,5 | 82,5 | 66   |            |           | 1526 | 66    |       |
| 8SDX 97/10 - 8SDXL 97/10 | 45             | 60        |        | 219          | 200  | 185  | 172  | 158  | 147  | 135  | 119  | 102  | 83,1 |            |           | 1657 | 72    |       |
| 8SDX 97/11 - 8SDXL 97/11 | 51 (55)        | 70 (75)   |        | 241          | 220  | 204  | 189  | 174  | 162  | 149  | 131  | 112  | 91,4 | 191<br>8"  | 196<br>8" | 1783 | 77    |       |
| 8SDX 97/12 - 8SDXL 97/12 | 51 (55)        | 70 (75)   |        | 263          | 240  | 222  | 206  | 190  | 176  | 162  | 143  | 122  | 99,7 |            |           | 1909 | 82    |       |
| 8SDX 97/13 - 8SDXL 97/13 | 55             | 75        |        | 285          | 260  | 241  | 223  | 206  | 191  | 176  | 155  | 132  | 108  |            |           | 2035 | 87    |       |
| 8SDX 97/14 - 8SDXL 97/14 | 59 (75)        | 80 (100)  |        | 309          | 281  | 262  | 242  | 224  | 208  | 191  | 169  | 144  | 120  |            |           | 2161 | 92    |       |
| 8SDX 97/15 - 8SDXL 97/15 | 66 (75)        | 90 (100)  |        | 331          | 302  | 279  | 261  | 240  | 222  | 205  | 182  | 156  | 129  |            |           | 2287 | 97    |       |
| 8SDX 97/16 - 8SDXL 97/16 | 75             | 100       |        | 353          | 322  | 298  | 278  | 256  | 237  | 219  | 194  | 166  | 138  |            |           | 2413 | 102   |       |
| 8SDX 97/17 - 8SDXL 97/17 | 75             | 100       |        | 375          | 342  | 317  | 295  | 272  | 251  | 233  | 206  | 176  | 147  |            |           | 2539 | 106,5 |       |
| 8SDX 97/18 - 8SDXL 97/18 | 92             | 125       |        | 397          | 362  | 335  | 313  | 288  | 266  | 246  | 218  | 187  | 155  |            |           | 2665 | 111,5 |       |
| 8SDX 97/19 - 8SDXL 97/19 | 92             | 125       |        | 419          | 382  | 354  | 330  | 304  | 281  | 260  | 230  | 197  | 164  |            |           | 2791 | 116,5 |       |
| 8SDX 97/20 - 8SDXL 97/20 | 92             | 125       |        | 440          | 403  | 374  | 348  | 322  | 298  | 274  | 244  | 209  | 173  |            |           | 2917 | 121   |       |
| 8SDX 97/21 - 8SDXL 97/21 | 92             | 125       |        | 462          | 424  | 393  | 365  | 338  | 313  | 288  | 257  | 219  | 182  |            |           | 3043 | 126   |       |
| 8SDX 97/22 - 8SDXL 97/22 | 110            | 150       |        | 484          | 444  | 411  | 383  | 354  | 328  | 301  | 269  | 230  | 190  | 240<br>10" |           | 3169 | 131   |       |
| 8SDX 97/23 - 8SDXL 97/23 | 110            | 150       |        | 507          | 464  | 430  | 400  | 370  | 343  | 315  | 281  | 240  | 199  |            |           | 3295 | 136   |       |

