



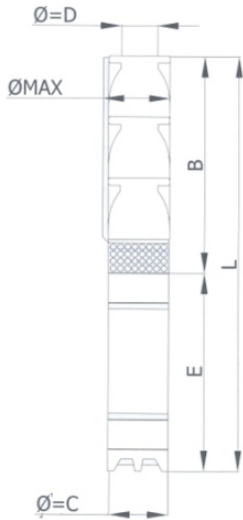
**SUBMERSIBLE BOREHOLE PUMP**

TYPICAL TECHNICAL DATA

BASED ON WATER DENSITY 1000 kg/m<sup>3</sup>

VISCOSITY 1.13 cst 113 mm<sup>2</sup>/s

**T 8180**



|   |   |   |                                     |
|---|---|---|-------------------------------------|
| Pumped Liquid: Non - Aggressive. Temperature min = 0° C max = 40° C             |   |   |                                     |
| Maximum allowable solid quantity = 50 g/m <sup>3</sup> solid dimension: Max 2mm |   |   |                                     |
| Speed - 2900 RPM  | CW = 12,5 - 110<br>Qmax = 274 m <sup>3</sup> /h | Best efficiency point:  | Q = 210 m <sup>3</sup><br>H = 130 m |
| Maximum pump diameter (including cable guard): 205 mm                           | Discharge diameter:                             | 5 "   |                                     |
| Maximum depth of application: Up to 250 m below the water level                 | Maximum working pressure:                       | 25 atm  |                                     |
| Minimum liquid level: 1200 mm from bottom of suction grid                       | Maximum head:                                   | 184 m   |                                     |
| Impeller type: Mixed Flow   | Construction and safety standards:              | TS 11146:1993 TS EN ISO 12100-1:2007<br>TS EN 809:2000 TS EN ISO 12100-2:2006<br>98/37/EC |                                     |

| PUMP TYPE | MOTOR |     |      | DIMENSIONS (mm) |      |      |      |      |     |     |     |       |       | WEIGHT (kg) |       |      |      |      |
|-----------|-------|-----|------|-----------------|------|------|------|------|-----|-----|-----|-------|-------|-------------|-------|------|------|------|
|           | 6"    | 8"  | Kw   | 8.6"            | 8.8" | 6"   | 8"   | 6"   | 8"  | 6"  | 8"  | Ø MAX | Ø = D | 6"          | 8"    | PUMP | 8.6" | 8.8" |
| T8180/01z | 12.5  | -   | 9.3  | 1451            | -    | 720  | 731  | -    | 145 | -   | 200 | 5"    | 60    | -           | 44    | 104  | -    | -    |
| T8180/01x | 15    | -   | 11   | 1501            | -    | 720  | 781  | -    | 145 | -   | 200 | 5"    | 65    | -           | 43.9  | 109  | -    | -    |
| T8180/02z | 25    | -   | 18.5 | 1886            | -    | 905  | 981  | -    | 145 | -   | 200 | 5"    | 88    | -           | 59    | 147  | -    | -    |
| T8180/02x | 30    | 30  | 22   | 1936            | 1766 | 905  | 1031 | 861  | 145 | 195 | 205 | 5"    | 93    | 121         | 59.5  | 152  | 180  | 180  |
| T8180/03z | 40    | 40  | 30   | 2281            | 2165 | 1090 | 1191 | 1075 | 145 | 195 | 205 | 5"    | 112   | 142         | 75    | 187  | 217  | 217  |
| T8180/03x | 50    | 50  | 37   | 2361            | 2192 | 1090 | 1271 | 1102 | 145 | 195 | 205 | 5"    | 114   | 148         | 75.1  | 189  | 223  | 223  |
| T8180/04z | 50    | 50  | 37   | 2546            | 2377 | 1275 | 1271 | 1102 | 145 | 195 | 205 | 5"    | 114   | 148         | 91    | 205  | 239  | 239  |
| T8180/04x | 60    | 60  | 45   | 2546            | 2435 | 1275 | 1271 | 1160 | 145 | 195 | 205 | 5"    | 114   | 159         | 90.7  | 205  | 250  | 250  |
| T8180/05z | -     | 70  | 55   | -               | 2612 | 1460 | -    | 1162 | -   | 195 | 205 | 5"    | -     | 178         | 106   | -    | 284  | 284  |
| T8180/05x | -     | 75  | 55   | -               | 2742 | 1460 | -    | 1282 | -   | 195 | 205 | 5"    | -     | 183         | 106.3 | -    | 289  | 289  |
| T8180/06z | -     | 75  | 55   | -               | 2927 | 1645 | -    | 1282 | -   | 195 | 205 | 5"    | -     | 183         | 122   | -    | 305  | 305  |
| T8180/06x | -     | 90  | 67   | -               | 3038 | 1645 | -    | 1393 | -   | 195 | 205 | 5"    | -     | 203         | 121.9 | -    | 325  | 325  |
| T8180/07z | -     | 90  | 67   | -               | 3223 | 1830 | -    | 1393 | -   | 195 | 205 | 5"    | -     | 203         | 137   | -    | 340  | 340  |
| T8180/08z | -     | 100 | 75   | -               | 3479 | 2015 | -    | 1464 | -   | 195 | 205 | 5"    | -     | 217         | 153.1 | -    | 370  | 370  |
| T8180/07x | -     | 110 | 83   | -               | 3365 | 1830 | -    | 1535 | -   | 195 | 205 | 5"    | -     | 232         | 137   | -    | 369  | 369  |
| T8180/08x | -     | 125 | 90   | -               | 3665 | 2015 | -    | 1650 | -   | 195 | 205 | 5"    | -     | 256         | 153.1 | -    | 409  | 409  |
| T8180/09z | -     | 125 | 90   | -               | 3850 | 2200 | -    | 1650 | -   | 195 | 205 | 5"    | -     | 256         | 169   | -    | 425  | 425  |
| T8180/10z | -     | 125 | 90   | -               | 4035 | 2385 | -    | 1650 | -   | 195 | 205 | 5"    | -     | 256         | 184.3 | -    | 440  | 440  |
| T8180/09x | -     | 150 | 110  | -               | 4044 | 2200 | -    | 1844 | -   | 195 | 205 | 5"    | -     | 295         | 169   | -    | 464  | 464  |
| T8180/11z | -     | 150 | 110  | -               | 4414 | 2570 | -    | 1844 | -   | 195 | 205 | 5"    | -     | 295         | 199.9 | -    | 495  | 495  |
| T8180/10x | -     | 150 | 110  | -               | 4229 | 2385 | -    | 1844 | -   | 195 | 205 | 5"    | -     | 295         | 184   | -    | 479  | 479  |

| PUMP TYPE | MOTOR |      | m <sup>3</sup> /h | Head in Meters |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|-------|------|-------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           | HP    | Kw   |                   | 0              | 120  | 130  | 136  | 140  | 150  | 160  | 170  | 180  | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 257  |
| T8180/01z | 12.5  | 9.3  | 0.0               | 33.3           | 36.1 | 37.8 | 38.9 | 41.7 | 44.4 | 47.2 | 50.0 | 52.8 | 53.6 | 58.3 | 61.1 | 63.9 | 66.7 | 69.4 | 71.5 | 73.8 |
| T8180/01x | 15    | 11   | 0.0               | 36             | 38   | 39   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 54   | 56   | 58   | 60   | 62   | 64   | 66   |
| T8180/02z | 25    | 18.5 | 0.0               | 49             | 51   | 52   | 53   | 55   | 57   | 59   | 61   | 63   | 65   | 67   | 69   | 71   | 73   | 75   | 77   | 79   |
| T8180/02x | 30    | 22   | 0.0               | 56             | 58   | 59   | 60   | 62   | 64   | 66   | 68   | 70   | 72   | 74   | 76   | 78   | 80   | 82   | 84   | 86   |
| T8180/03z | 40    | 30   | 0.0               | 71             | 73   | 74   | 75   | 77   | 79   | 81   | 83   | 85   | 87   | 89   | 91   | 93   | 95   | 97   | 99   | 101  |
| T8180/03x | 50    | 37   | 0.0               | 84             | 86   | 87   | 88   | 90   | 92   | 94   | 96   | 98   | 100  | 102  | 104  | 106  | 108  | 110  | 112  | 114  |
| T8180/04z | 50    | 37   | 0.0               | 90             | 92   | 93   | 94   | 96   | 98   | 100  | 102  | 104  | 106  | 108  | 110  | 112  | 114  | 116  | 118  | 120  |
| T8180/04x | 60    | 45   | 0.0               | 110            | 112  | 113  | 114  | 116  | 118  | 120  | 122  | 124  | 126  | 128  | 130  | 132  | 134  | 136  | 138  | 140  |
| T8180/05z | 70    | 55   | 0.0               | 114            | 116  | 117  | 118  | 120  | 122  | 124  | 126  | 128  | 130  | 132  | 134  | 136  | 138  | 140  | 142  | 144  |
| T8180/05x | 75    | 55   | 0.0               | 137            | 139  | 140  | 141  | 143  | 145  | 147  | 149  | 151  | 153  | 155  | 157  | 159  | 161  | 163  | 165  | 167  |
| T8180/06z | 75    | 55   | 0.0               | 136            | 138  | 139  | 140  | 142  | 144  | 146  | 148  | 150  | 152  | 154  | 156  | 158  | 160  | 162  | 164  | 166  |
| T8180/06x | 90    | 67   | 0.0               | 161            | 163  | 164  | 165  | 167  | 169  | 171  | 173  | 175  | 177  | 179  | 181  | 183  | 185  | 187  | 189  | 191  |
| T8180/07z | 90    | 67   | 0.0               | 157            | 159  | 160  | 161  | 163  | 165  | 167  | 169  | 171  | 173  | 175  | 177  | 179  | 181  | 183  | 185  | 187  |
| T8180/08z | 100   | 75   | 0.0               | 179            | 181  | 182  | 183  | 185  | 187  | 189  | 191  | 193  | 195  | 197  | 199  | 201  | 203  | 205  | 207  | 209  |
| T8180/07x | 110   | 83   | 0.0               | 187            | 189  | 190  | 191  | 193  | 195  | 197  | 199  | 201  | 203  | 205  | 207  | 209  | 211  | 213  | 215  | 217  |
| T8180/08x | 125   | 90   | 0.0               | 212            | 214  | 215  | 216  | 218  | 220  | 222  | 224  | 226  | 228  | 230  | 232  | 234  | 236  | 238  | 240  | 242  |
| T8180/09z | 125   | 90   | 0.0               | 201            | 202  | 203  | 204  | 205  | 206  | 207  | 208  | 209  | 210  | 211  | 212  | 213  | 214  | 215  | 216  | 217  |
| T8180/10z | 125   | 90   | 0.0               | 223            | 224  | 225  | 226  | 227  | 228  | 229  | 230  | 231  | 232  | 233  | 234  | 235  | 236  | 237  | 238  | 239  |
| T8180/09x | 150   | 110  | 0.0               | 239            | 240  | 241  | 242  | 243  | 244  | 245  | 246  | 247  | 248  | 249  | 250  | 251  | 252  | 253  | 254  | 255  |
| T8180/11z | 150   | 110  | 0.0               | 246            | 247  | 248  | 249  | 250  | 251  | 252  | 253  | 254  | 255  | 256  | 257  | 258  | 259  | 260  | 261  | 262  |
| T8180/10x | 150   | 110  | 0.0               | 265            | 266  | 267  | 268  | 269  | 270  | 271  | 272  | 273  | 274  | 275  | 276  | 277  | 278  | 279  | 280  | 281  |

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