



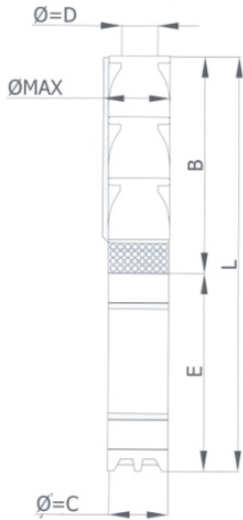
SUBMERSIBLE BOREHOLE PUMP

TYPICAL TECHNICAL DATA

BASED ON WATER DENSITY 1000 kg/m³

VISCOSITY 1.13 cst 113 mm²/s

T 8090



| | | | |
|---|--|---------------------------|-------------------------------------|
| Pumped Liquid: Non - Aggressive. Temperature min = 0° C max = 40° C | | | |
| Maximum allowable solid quantity = 50 g/m ³ solid dimension: Max 2mm | | | |
| Speed - 2900 RPM | CW = 10 - 150 Qmax = 165 m ³ /h | Best efficiency point: | Q = 105 m ³ H = 237 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: | 309 m |
| Impeller type: Mixed Flow | Construction and safety standards: TS 11146:1993 TS EN ISO 12100-1:2007 TS EN 809:2000 TS EN ISO 12100-2:2006 98/37/EC | | |

| PUMP TYPE | MOTOR | | | DIMENSIONS (mm) | | | | | | | | | | WEIGHT (kg) | | | | | |
|-----------|-------|-----|-----|-----------------|------|------|------|------|------|-------|-------|-------|-------|-------------|-------|------|------|-------|-------|
| | 6" | 8" | | 8-6" | 8-8" | 8-6" | 8-8" | 6" | 8" | 6" | 8" | Ø MAX | Ø = D | 6" | 8" | 8-6" | 8-8" | 8-6" | 8-8" |
| | HP | HP | Kw | L | L | B | B | E | E | Ø = C | Ø = C | Ø MAX | Ø = D | MOTOR | MOTOR | PUMP | PUMP | TOTAL | TOTAL |
| T8090/01 | 10 | - | 7.5 | 1251 | - | 560 | - | 691 | - | 145 | - | 200 | 5" | 55 | - | 35 | - | 90 | - |
| T8090/02 | 20 | - | 15 | 1581 | - | 700 | - | 881 | - | 145 | - | 200 | 5" | 77 | - | 46 | - | 123 | - |
| T8090/03 | 30 | 30 | 22 | 1871 | 1831 | 840 | 970 | 1031 | 861 | 145 | 195 | 200 | 5" | 93 | 121 | 57 | 64 | 150 | 185 |
| T8090/04 | 40 | 40 | 30 | 2171 | 2185 | 980 | 1110 | 1191 | 1075 | 145 | 195 | 200 | 5" | 112 | 142 | 68 | 75 | 180 | 217 |
| T8090/05 | 50 | 50 | 37 | 2391 | 2352 | 1120 | 1250 | 1271 | 1102 | 145 | 195 | 200 | 5" | 114 | 148 | 79 | 86 | 193 | 234 |
| T8090/06 | 60 | 60 | 45 | 2531 | 2550 | 1260 | 1390 | 1271 | 1160 | 145 | 195 | 200 | 5" | 114 | 159 | 90 | 97 | 204 | 256 |
| T8090/07 | - | 70 | 55 | - | 2682 | - | 1530 | - | 1152 | - | 195 | 200 | 5" | - | 178 | - | 108 | - | 286 |
| T8090/08 | - | 90 | 67 | - | 2985 | - | 1670 | - | 1315 | - | 195 | 200 | 5" | - | 188 | - | 119 | - | 307 |
| T8090/09 | - | 90 | 67 | - | 3203 | - | 1810 | - | 1393 | - | 195 | 200 | 5" | - | 203 | - | 130 | - | 333 |
| T8090/10 | - | 100 | 75 | - | 3414 | - | 1950 | - | 1464 | - | 195 | 200 | 5" | - | 217 | - | 141 | - | 358 |
| T8090/11 | - | 110 | 83 | - | 3625 | - | 2090 | - | 1535 | - | 195 | 200 | 5" | - | 232 | - | 152 | - | 384 |
| T8090/12 | - | 110 | 83 | - | 3765 | - | 2230 | - | 1535 | - | 195 | 200 | 5" | - | 232 | - | 163 | - | 395 |
| T8090/13 | - | 125 | 90 | - | 4020 | - | 2370 | - | 1650 | - | 195 | 200 | 5" | - | 256 | - | 174 | - | 430 |
| T8090/14 | - | 150 | 110 | - | 4354 | - | 2510 | - | 1844 | - | 195 | 200 | 5" | - | 295 | - | 185 | - | 480 |

| PUMP TYPE | MOTOR | | | M ³ /h | 0 | 73 | 75 | 84 | 90 | 96 | 105 | 108 | 120 | 135 | 150 | 165 |
|-----------|-------|-----|-----|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | HP | HP | | | | | | | | | | | | | | |
| | 6" | 8" | Kw | | | | | | | | | | | | | |
| T8090/01 | 10 | - | 7.5 | Head in Meters | 27 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 16 | 14 | 10 | 7 |
| T8090/02 | 20 | - | 15 | | 54 | 49 | 46 | 43 | 41 | 40 | 38 | 37 | 33 | 28 | 20 | 13 |
| T8090/03 | 30 | 30 | 22 | | 80 | 71 | 66 | 62 | 59 | 57 | 53 | 51 | 46 | 38 | 30 | 17 |
| T8090/04 | 40 | 40 | 30 | | 105 | 88 | 87 | 82 | 79 | 75 | 70 | 68 | 61 | 51 | 45 | 32 |
| T8090/05 | 50 | 50 | 37 | | 130 | 107 | 106 | 100 | 96 | 92 | 85 | 83 | 73 | 61 | 50 | 36 |
| T8090/06 | 60 | 60 | 45 | | 154 | 126 | 124 | 117 | 112 | 107 | 99 | 96 | 85 | 69 | 52 | 39 |
| T8090/07 | - | 70 | 55 | | 180 | 157 | 152 | 141 | 136 | 130 | 121 | 117 | 105 | 85 | 66 | 48 |
| T8090/08 | - | 90 | 67 | | 206 | 190 | 181 | 166 | 161 | 154 | 144 | 141 | 126 | 103 | 81 | 57 |
| T8090/09 | - | 90 | 67 | | 230 | 212 | 202 | 185 | 180 | 172 | 160 | 157 | 139 | 115 | 90 | 64 |
| T8090/10 | - | 100 | 75 | | 253 | 235 | 222 | 204 | 198 | 189 | 176 | 172 | 150 | 126 | 99 | 71 |
| T8090/11 | - | 110 | 83 | | 277 | 251 | 236 | 222 | 213 | 203 | 190 | 184 | 162 | 135 | 106 | 74 |
| T8090/12 | - | 110 | 83 | | 300 | 265 | 248 | 239 | 226 | 217 | 203 | 194 | 173 | 144 | 112 | 76 |
| T8090/13 | - | 125 | 90 | | 325 | 287 | 268 | 259 | 245 | 235 | 220 | 210 | 188 | 156 | 122 | 83 |
| T8090/14 | - | 150 | 110 | | 350 | 309 | 289 | 278 | 264 | 253 | 237 | 226 | 202 | 168 | 131 | 89 |

DATE 07/02/2012

TECHNICAL DATA NO: FPS T-8090