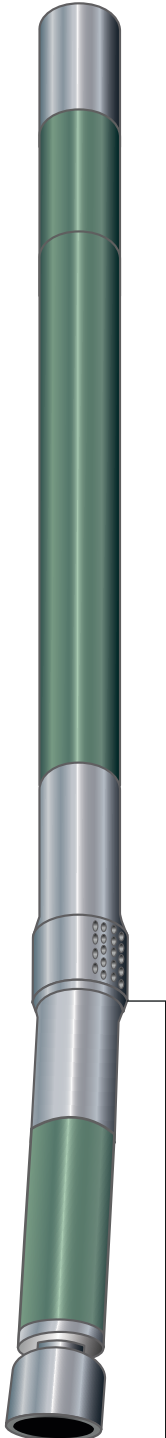


**Drilling motors – Technical data**


| Motor specifications (PH-775-910-40) |                  |                     |
|--------------------------------------|------------------|---------------------|
|                                      | Imperial         | Metric              |
| Tool OD                              | 7.75"            | 197 mm              |
| Recommended bit size                 | 9 7/8" - 12 1/4" | 251 - 311 mm        |
| Weight                               | 2,668 lbs        | 1,210 kg            |
| Length                               | 23.6 ft          | 720 cm              |
| Lobe configuration                   | 9/10 lobe        |                     |
| Number of stages                     | 4.0 stage        |                     |
| Bit speed at full load               | 80 - 180 rpm     |                     |
| Flow rate                            | 300 - 900 gpm    | 1,135 - 3,407 l/min |
| Maximum torque                       | 14,800 ft-lbs    | 20,000 Nm           |
| Maximum power                        | 383 hp           | 286 kW              |
| Bit to bend                          | 86"              | 2,179 mm            |
| Diff. pressure at full load          | 600 psi          | 41 bar              |
| Diff. pressure at max torque         | 800 psi          | 55 bar              |
| Maximum bit pressure drop            | 1,500 psi        | 103 bar             |
| Maximum WOB                          | 80,000 lbs       | 36,287 kg           |
| Maximum pull to re-run motor         | 275,000 lbs      | 124,737 kg          |
| Pull to yield motor                  | 750,000 lbs      | 340,194 kg          |
| Top connection (Box)                 | 6 5/8" reg.      |                     |
| Bit connection (Box)                 | 6 5/8" reg.      |                     |

**Predicted build radius (m)**

| Bend angle | Slick bearing housing |         |         |
|------------|-----------------------|---------|---------|
|            | Hole size             |         |         |
|            | 9 7/8"                | 10 5/8" | 12 1/4" |
| 0.31       |                       |         |         |
| 0.62       |                       |         |         |
| 0.93       | 1290                  | 1110    |         |
| 1.22       | 450                   | 440     |         |
| 1.50       | 280                   | 280     |         |
| 1.76       | 200                   | 210     | 1200    |
| 2.00       | 160                   | 170     | 500     |
| 2.23       | 140                   | 150     | 320     |
| 2.42       | 120                   | 130     | 250     |
| 2.60       | 110                   | 120     | 200     |
| 2.74       | 100                   | 120     | 180     |
| 2.85       | 100                   | 110     | 160     |
| 2.93       | 90                    | 110     | 150     |
| 2.98       | 90                    | 110     | 150     |
| 3.00       | 90                    | 100     | 140     |

