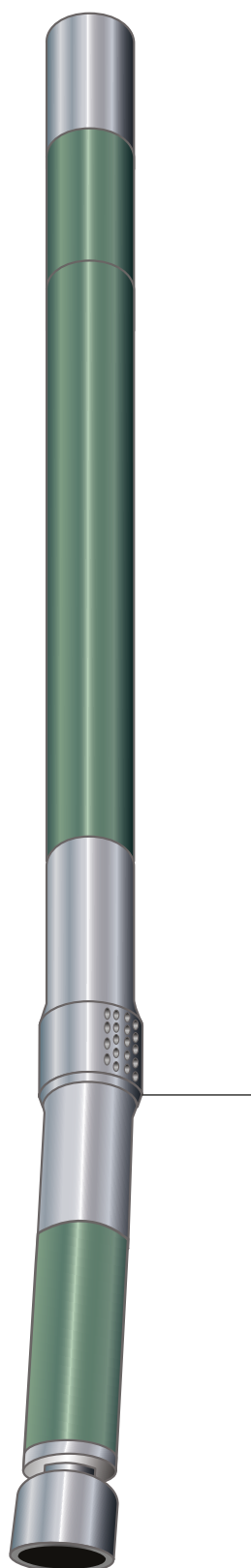




# Mud Motors – 3 3/4" - 5/8 lobe 3.8 stage

## Drilling motors – Technical data



| Motor specifications (PH-375-560-38) |                 |                 |
|--------------------------------------|-----------------|-----------------|
|                                      | Imperial        | Metric          |
| Tool OD                              | 3 3/4"          | 95 mm           |
| Recommended bit size                 | 4 3/4" - 5 7/8" | 121 - 149 mm    |
| Weight                               | 276 lbs         | 125 kg          |
| Length                               | 12.5 ft         | 380 cm          |
| Lobe configuration                   | 5/6 lobe        |                 |
| Number of stages                     | 3.8 stage       |                 |
| Bit speed                            | 90 - 360 rpm    |                 |
| Flow rate                            | 40 - 160 gpm    | 150 - 600 l/min |
| Maximum torque                       | 574 ft-lbs      | 780 Nm          |
| Maximum power                        | 37 hp           | 28 kW           |
| Bit to bend                          | 45"             | 1,147 mm        |
| Maximum rec. diff. pressure          | 460 psi         | 32 bar          |
| Maximum WOB                          | 11,000 lbs      | 5,000 kg        |
| Maximum pull to re-run motor         | 55,000 lbs      | 25,000 kg       |
| Top connection (Box)                 | 2 7/8" reg.     |                 |
| Bit connection (Box)                 | 2 7/8" reg.     |                 |

## Predicted build radius (m)

| Bend angle | Slick bearing housing |     |        |        |
|------------|-----------------------|-----|--------|--------|
|            | Hole size             |     |        |        |
|            | 4 3/4"                | 5"  | 5 1/2" | 5 7/8" |
| 0.35       |                       |     |        |        |
| 0.69       | 1140                  |     |        |        |
| 1.04       | 250                   | 370 | 5930   |        |
| 1.37       | 140                   | 180 | 320    | 800    |
| 1.69       | 100                   | 120 | 170    | 240    |
| 2.00       | 80                    | 90  | 110    | 150    |
| 2.29       | 70                    | 70  | 90     | 100    |
| 2.57       | 60                    | 60  | 70     | 80     |
| 2.83       | 50                    | 60  | 60     | 70     |
| 3.06       | 50                    | 50  | 60     | 60     |
| 3.28       | 40                    | 50  | 50     | 60     |
| 3.46       | 40                    | 40  | 50     | 50     |
| 3.63       | 40                    | 40  | 50     | 50     |
| 3.76       | 40                    | 40  | 40     | 50     |
| 3.86       | 40                    | 40  | 40     | 50     |
| 3.94       | 40                    | 40  | 40     | 40     |
| 3.98       | 40                    | 40  | 40     | 40     |
| 4.00       | 40                    | 40  | 40     | 40     |

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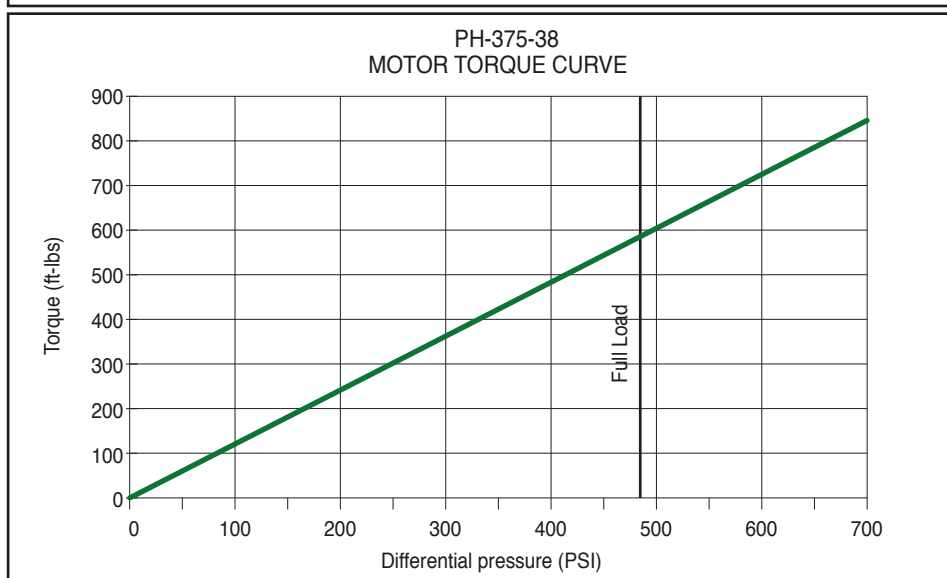
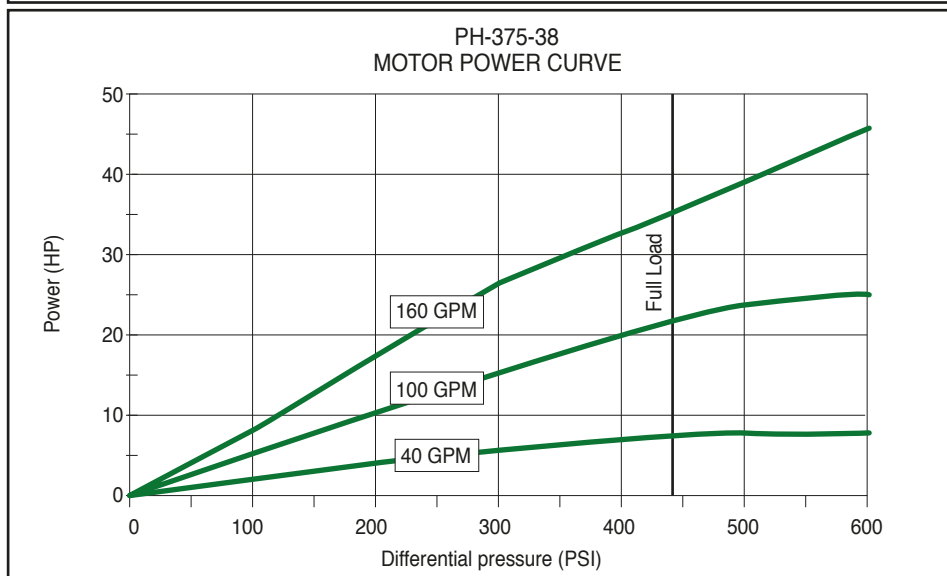
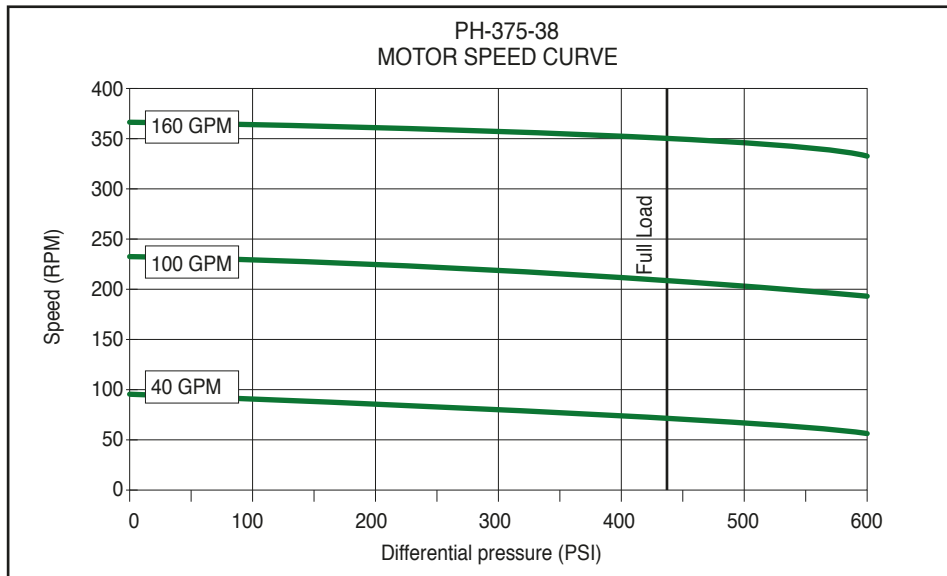
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