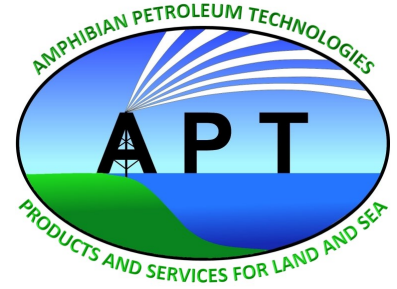


# Downhole Motor

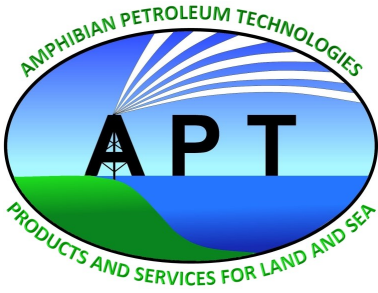


APT offers a complete line of down-hole, mud lubricated motors from 1-11/16" OD to 11-1/4" OD which are designed to provide our customers with a product that will withstand the rigors of today's drilling conditions.

**APT is committed to providing the highest quality motor the industry can offer. We are confident our new design will change the way drilling is done with a down-hole motor.**

- We provide an extreme bearing assembly design to allow for harsh and high torque drilling conditions without the fear of losing components in the hole
- The design is mud lubricated and able to perform better in any condition than the conventional oil sealed bearing assembly
- We provide options for two variations of top subs
  - Float sub, rotor catch combo
  - Bypass Valve, rotor catch combo
- Rotors are offered with or without an ID bore. They can be coated with chrome or tungsten alloy
- Stators are offered with different rubber compounds and fit to cater to the demands of the customer





# Downhole Motor Specification

APT									
DIAMETER	LOBE	STAGE	REV/GAL	BIT SPEED	TORQUE @ FULL LOAD	FLOW RATE	MAX DIFF.	LENGTH	BIT TO BEND (ABH)
in (mm)	-	-	-	RPM	ft-lbs (N-m)	gpm	psi (kpa)	ft (mm)	ft (mm)
5 (127)	3/4	5.4	1.18	118 - 354	2088 (2830)	100 - 300	945 (6515)	25.36 (7731)	4.63 (1411)
5 (127)	5/6	8.3	1.04	104 - 312	3000 (4067)	100 - 300	1420 (9790)	28.74 (8762)	4.63 (1411)
5 (127)	7/8	2.6	0.26	26 - 78	5250 (7118)	100 - 300	590 (4,067)	27.63 (8423)	4.63 (1411)
5 (127)	7/8	3.0	0.66	66 - 182	1495 (2026)	100 - 300	400 (2757)	19.58 (5970)	4.63 (1411)
5 (127)	7/8	3.8	0.58	58 - 174	2660 (3606)	100 - 300	580 (3999)	24.11 (2350)	4.63 (1411)
5 (127)	7/8	6.4	0.63	63 - 189	4088 (5542)	100 - 300	1120 (7722)	24.69 (7527)	4.63 (1411)
6 1/4 (159)	4/5	7.5	0.66	132 - 330	7100 (9626)	200 - 500	1450 (9997)	27.09 (8258)	5.42 (1652)
6 1/4 (159)	7/8	2.9	0.19	38 - 95	7300 (9897)	200 - 500	440 (3033)	29.20 (8901)	5.42 (1652)
6 1/4 (159)	7/8	4.8	0.34	68 - 170	5065 (6867)	200 - 500	650 (4481)	27.06 (8250)	5.42 (1652)
6 1/2 (165)	4/5	7.5	0.66	132 - 330	7100 (9626)	200 - 500	1450 (9997)	27.09 (8258)	5.42 (1652)
6 1/2 (165)	7/8	2.9	0.19	38 - 95	7300 (9897)	200 - 500	440 (3033)	29.20 (8901)	5.42 (1652)
6 1/2 (165)	7/8	4.8	0.34	68 - 170	5065 (6867)	200 - 500	650 (4481)	27.06 (8250)	5.42 (1652)
6 7/8 (175)	4/5	7	0.49	147 - 294	6355 (8616)	300 - 600	1120 (7722)	27.93 (8516)	5.59 (1705)
6 7/8 (175)	6/7	5	0.28	84 - 168	7964 (10797)	300 - 600	840 (5791)	26.5 (8079)	5.59 (1705)
6 7/8 (175)	7/8	3.3	0.14	42 - 84	9506 (12888)	300 - 600	511 (3523)	30.85 (9405)	5.59 (1705)
6 7/8 (175)	7/8	5	0.28	84 - 168	7994 (10838)	300 - 600	850 (3,516)	26.5 (8079)	5.59 (1705)
7 3/4 (197)	7/8	4	0.16	48 - 144	9859 (13367)	300 - 900	600 (4,136)	28.15 (8583)	6.23 (1900)
8 (203)	7/8	4	0.16	48 - 144	9859 (13367)	300 - 900	600 (4,136)	28.15 (8583)	6.23 (1900)
9 5/8 (244)	5/6	4	0.23	138 - 276	10841 (14698))	600 - 1,200	850 (5,860)	31.65 (9649)	7.53 (2294)