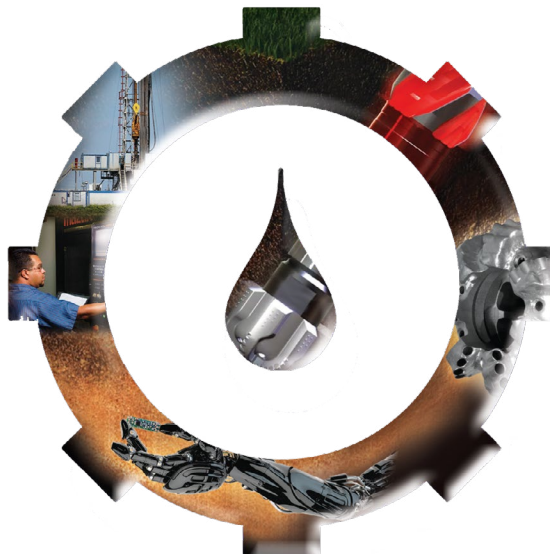




MOTOR SPECIFICATIONS

TURBO SCOUT®



ROTARY STEERABLE ASSIST™



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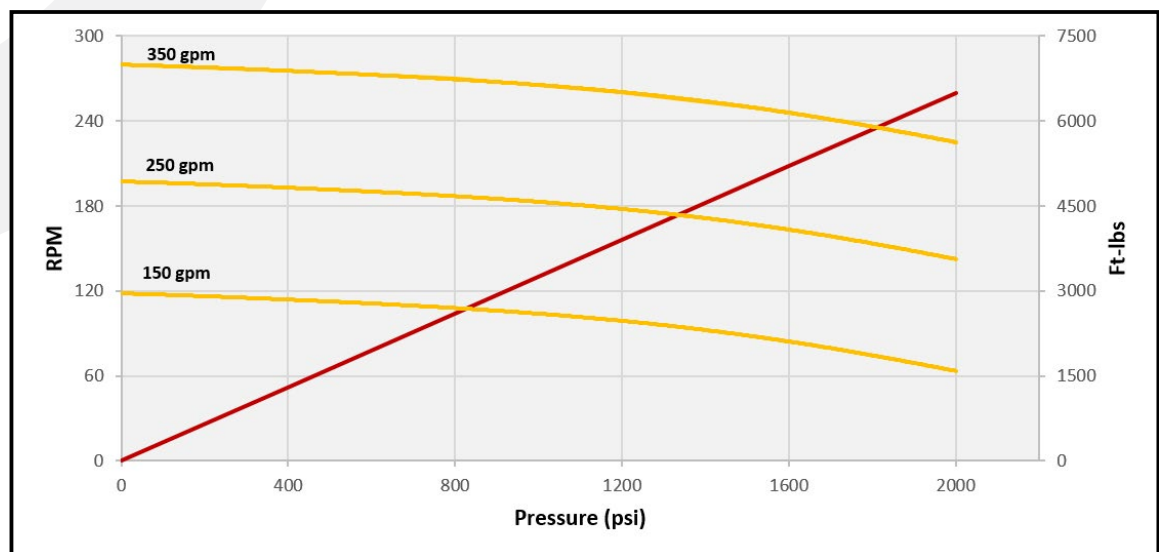
5" Rotary Steerable Assist 6/7 8.0

MOTOR SPECIFICATIONS



Physical Details	
Nominal Length	431.75" (10.96 m)
Weight	2,100 lbs (952.5 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-350 gpm (568- 1,325 l/min)
Revolutions	0.79 rev/gal 0.209 rev/l
Max Differential Pressure	1880 psi (12,962 kPa)
Max Torque	6,110 ft-lbs (8,284 Nm)
Stall Differential Pressure	2,820 psi (19,443 kPa)
Stall Torque	9,165 ft-lbs (12,426 Nm)
Torque Slope	3.3 ft-lbs/psi (0.649 Nm/kPa)
Off-Bottom Pressure	183 psi (1,262 kPa)

Specifications	Tool Size - 5" (127 mm)
Hole Size	6" - 6-3/4" (152 - 171 mm)
Max OD	5-1/4" (133 mm)
Lower Connection	3-1/2 IF Pin or as required*
Mandrel Bore	1-1/4" (32 mm)
Maximum W.O.B.	72,000 lbs (32,027 daN)
Maximum Pull While Back Reaming	58,000 lbs (25,800 daN)
Maximum Bit Overpull to Re-Run	110,000 lbs (48,930 daN)
Sealed Fluid Bypass	0%
Restricted Bypass	2 - 6 %
Float Type (Standard)	4R
Float Type (CET 43)	3-1/2" IF



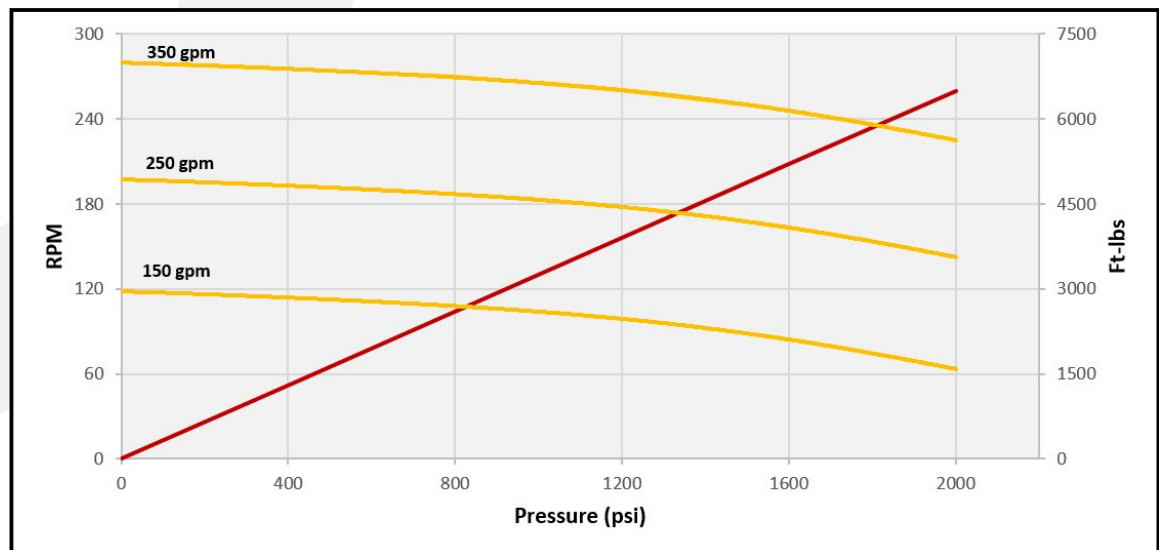
5" Mud Lube (B) 6/7 8.0

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	403" (10.23)
Turbo Scout Nominal Length	388" (9.85 m)
Weight	2,000 lbs (907 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-350 gpm (568- 1,325 l/min)
Revolutions	0.79 rev/gal 0.209 rev/l
Max Differential Pressure	1880 psi (12,962 kPa)
Max Torque	6,110 ft-lbs (8,284 Nm)
Stall Differential Pressure	2,820 psi (19,443 kPa)
Stall Torque	9,165 ft-lbs (12,426 Nm)
Torque Slope	3.3 ft-lbs/psi (0.649 Nm/kPa)
Off-Bottom Pressure	183 psi (1,262 kPa)

Specifications	Tool Size - 5" (127 mm)
Hole Size	5-7/8" - 7-7/8" (127 mm - 178 mm)
Bit Box	3-1/2" REG
Mandrel Bore	1 (25 mm)
Maximum W.O.B. - Dynamic	36,000 lbs (16,014 daN)
Maximum W.O.B. - Static	101,000 lbs (44,927 daN)
Maximum Bit Overpull	125,000 lbs (55,602 daN)
Absolute Overpull	535,000 lbs (237,980 daN)
Bearing Section Torque Capacity	14,000 ft-lbs (18,981 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	62" (1,574 mm)
U-Joint Torque Capacity	13,600 ft-lbs (18,439 Nm)
Float Type (Standard) Float Type (CET 43)	4R 3-1/2" IF



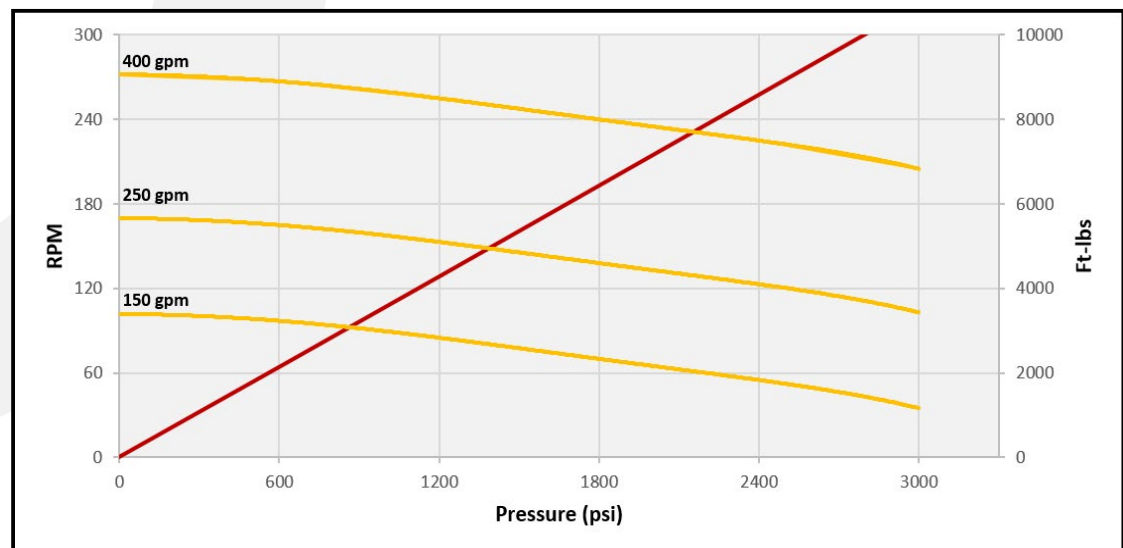
5" Rotary Steerable Assist 6/7 8.8

MOTOR SPECIFICATIONS



Physical Details	
Nominal Length	456.75" (11.60 m)
Weight	2,200 lbs (998 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-400 gpm (568- 1,514 l/min)
Revolutions	0.68 rev/gal 0.180 rev/l
Max Differential Pressure	2240 psi (15,444 kPa)
Max Torque	8,014 ft-lbs (10,865 Nm)
Stall Differential Pressure	3,360 psi (23,166 kPa)
Stall Torque	12,021 ft-lbs (16,298 Nm)
Torque Slope	3.6 ft-lbs/psi (0.708 Nm/kPa)
Off-Bottom Pressure	131 psi (903 kPa)

Specifications	Tool Size 5" (127 mm)
Hole Size	6" - 6-3/4" (152 - 171 mm)
Max OD	5-1/4" (133 mm)
Lower Connection	3-1/2 IF Pin or as required*
Mandrel Bore	1-1/4" (32 mm)
Maximum W.O.B.	72,000 lbs (32,027 daN)
Maximum Pull While Back Reaming	58,000 lbs (25,800 daN)
Maximum Bit Overpull to Re-Run	110,000 lbs (48,930 daN)
Sealed Fluid Bypass	0%
Restricted Bypass:	2 - 6 %
Float Type (Standard)	4R
Float Type (CET 43)	3-1/2" IF



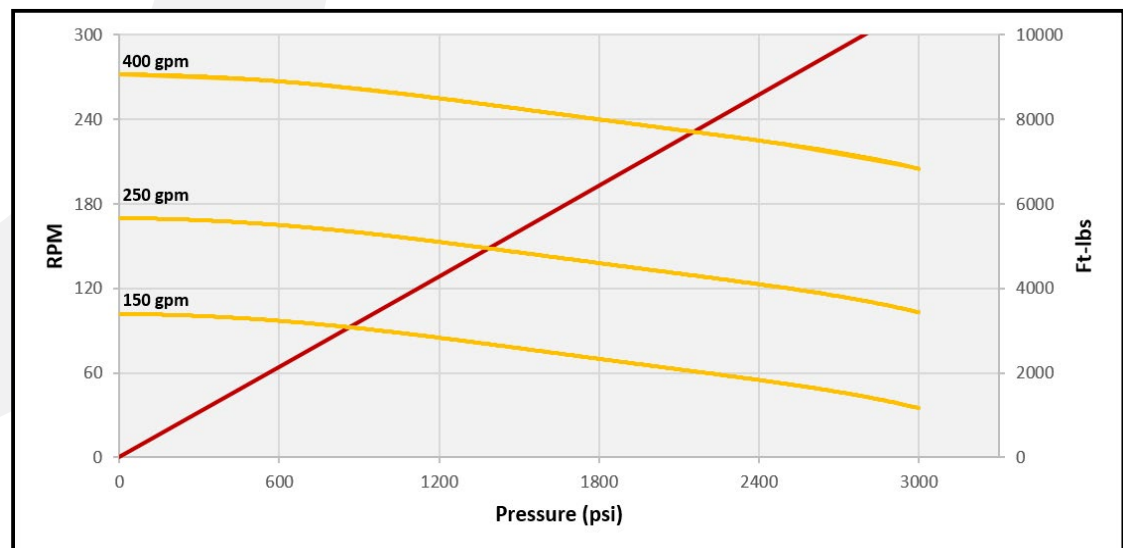
5" Mud Lube (B) 6/7 8.8

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	423" (10.74 m)
Turbo Scout Nominal Length	418" (10.62 m)
Weight	2,300 lbs (1043 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-400 gpm (568- 1,514 l/min)
Revolutions	0.68 rev/gal 0.180 rev/l
Max Differential Pressure	2240 psi (15,444 kPa)
Max Torque	8,014 ft-lbs (10,865 Nm)
Stall Differential Pressure	3,360 psi (23,166 kPa)
Stall Torque	12,021 ft-lbs (16,298 Nm)
Torque Slope	3.6 ft-lbs/psi (0.708 Nm/kPa)
Off-Bottom Pressure	131 psi (903 kPa)

Specifications	Tool Size - 5" (127 mm)
Hole Size	5-7/8" - 7-7/8" (127 mm - 178 mm)
Bit Box	3-1/2" REG
Mandrel Bore	1 (25 mm)
Maximum W.O.B. - Dynamic	36,000 lbs (16,014 daN)
Maximum W.O.B. - Static	101,000 lbs (44,927 daN)
Maximum Bit Overpull	125,000 lbs (55,602 daN)
Absolute Overpull	535,000 lbs (237,980 daN)
Bearing Section Torque Capacity	14,000 ft-lbs (18,981 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	62" (1,574 mm)
U-Joint Torque Capacity	13,600 ft-lbs (18,439 Nm)
Float Type (Standard) Float Type (CET 43)	4R 3-1/2" IF

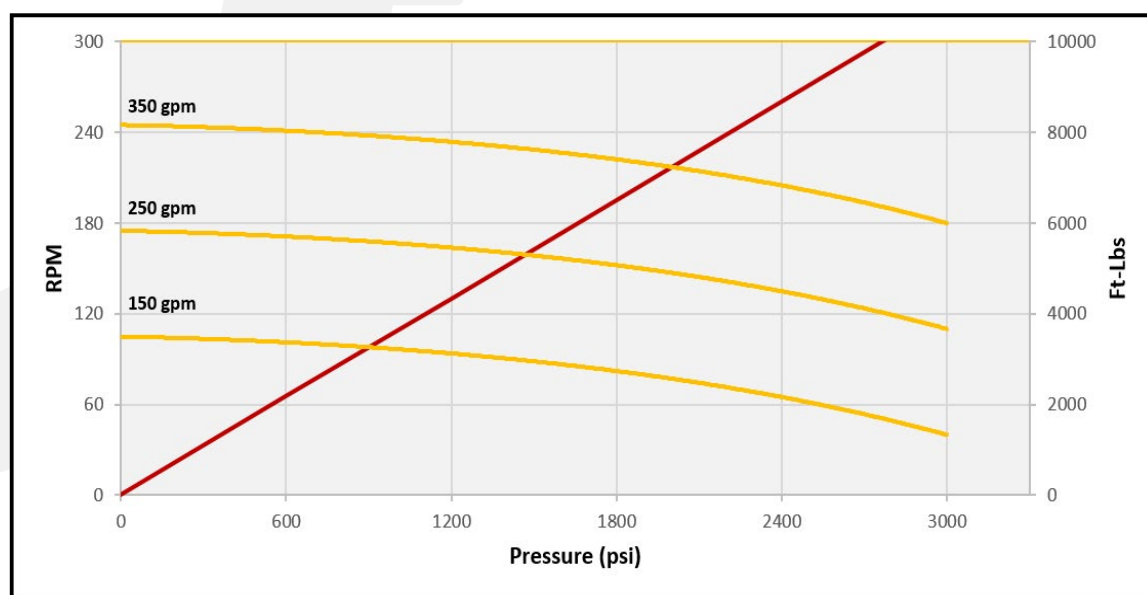


5" Rotary Steerable Assist 7/8 8.2 MOTOR SPECIFICATIONS



Physical Details	
Nominal Length	431.75" (10.97 m)
Weight	2,100 lbs (952.5 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-350 gpm (568- 1,324 l/min)
Revolutions	0.7 rev/gal 0.185 rev/l
Max Differential Pressure	1850 psi (12,755 kPa)
Max Torque	6,700 ft-lbs (9,083 Nm)
Stall Differential Pressure	2,775 psi (19,132 kPa)
Stall Torque	10,050 ft-lbs (13,625 Nm)
Torque Slope	3.6 ft-lbs/psi (0.708 Nm/kPa)
Off-Bottom Pressure	171 psi (1,179 kPa)

Specifications	Tool Size - 5" (127 mm)
Hole Size	6" - 6-3/4" (152 - 171 mm)
Max OD	5-1/4" (133 mm)
Lower Connection	3-1/2 IF Pin or as required*
Mandrel Bore	1-1/4" (32 mm)
Maximum W.O.B.	72,000 lbs (32,027 daN)
Maximum Pull While Back Reaming	58,000 lbs (25,800 daN)
Maximum Bit Overpull to Re-Run	110,000 lbs (48,930 daN)
Sealed Fluid Bypass	0%
Restricted Bypass:	2 - 6 %
Float Type (Standard)	4R
Float Type (CET 43)	3-1/2" IF



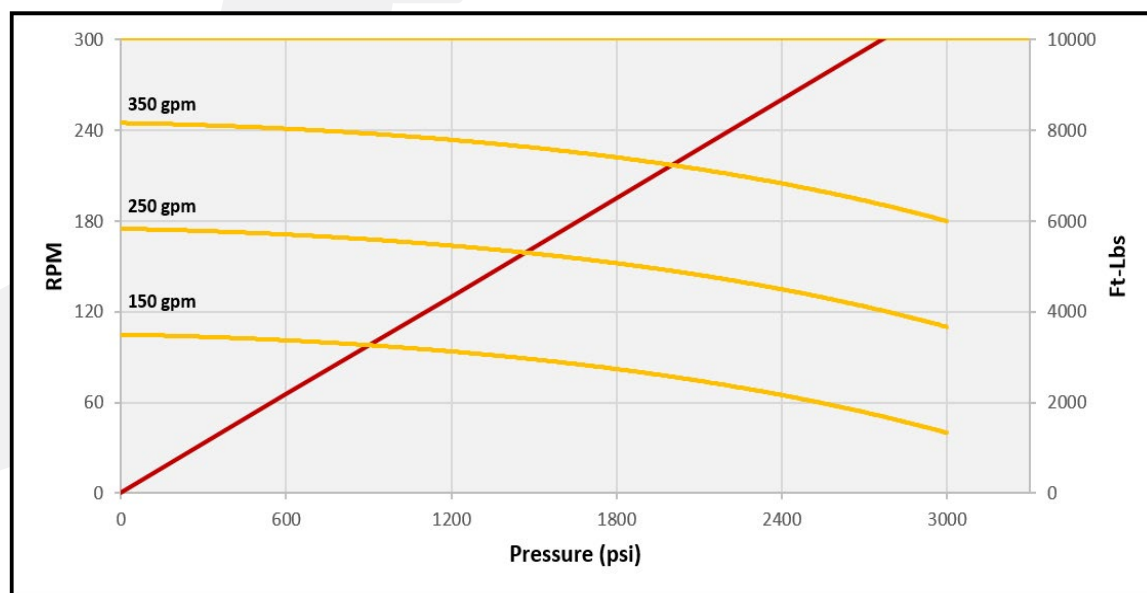
5" Mud Lube (B) 7/8 8.2

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	401" (10.18 m)
Turbo Scout Nominal Length	386" (9.80 m)
Weight	2,200 lbs (998 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-350 gpm (568- 1,324 l/min)
Revolutions	0.7 rev/gal 0.185 rev/l
Max Differential Pressure	1850 psi (12,755 kPa)
Max Torque	6,700 ft-lbs (9,083 Nm)
Stall Differential Pressure	2,775 psi (19,132 kPa)
Stall Torque	10,050 ft-lbs (13,625 Nm)
Torque Slope	3.6 ft-lbs/psi (0.708 Nm/kPa)
Off-Bottom Pressure	171 psi (1,179 kPa)

Specifications	Tool Size - 5" (127 mm)
Hole Size	5-7/8" - 7-7/8" (127 mm - 178 mm)
Bit Box	3-1/2" REG
Mandrel Bore	1 (25 mm)
Maximum W.O.B. - Dynamic	36,000 lbs (16,014 daN)
Maximum W.O.B. - Static	101,000 lbs (44,927 daN)
Maximum Bit Overpull	125,000 lbs (55,602 daN)
Absolute Overpull	535,000 lbs (237,980 daN)
Bearing Section Torque Capacity	14,000 ft-lbs (18,981 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	62" (1,574 mm)
U-Joint Torque Capacity	13,600 ft-lbs (18,439 Nm)
Float Type (Standard)	4R
Float Type (CET 43)	3-1/2" IF



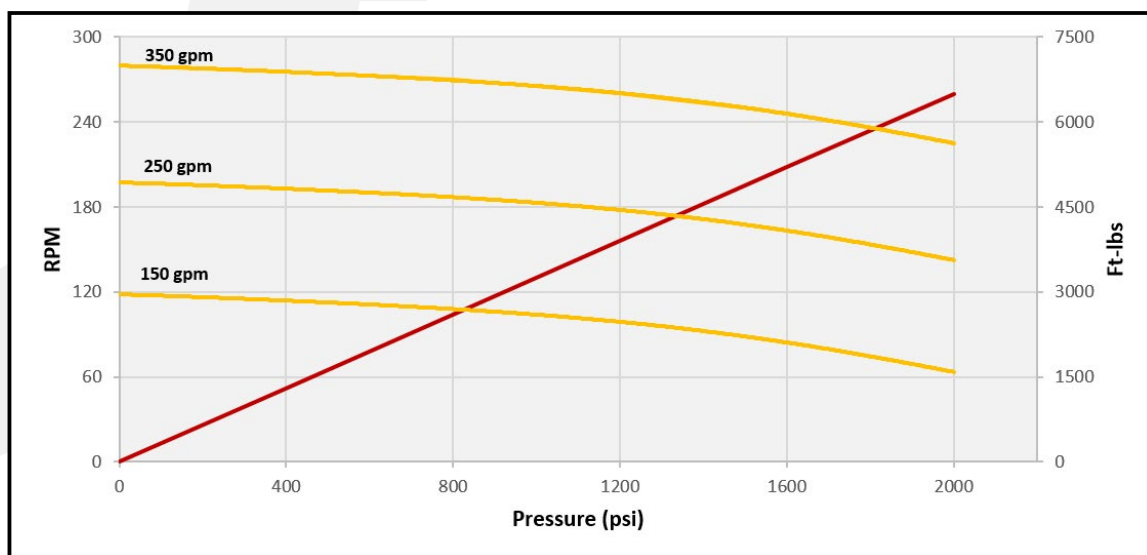
5-3/4" Mud Lube (B) 6/7 8.0

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	410" (10.41 m)
Turbo Scout Nominal Length	395" (10.03 m)
Weight	2,000 lbs (907 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-350 gpm (568- 1,325 l/min)
Revolutions	0.79 rev/gal 0.209 rev/l
Max Differential Pressure	1880 psi (12,962 kPa)
Max Torque	6,110 ft-lbs (8,284 Nm)
Stall Differential Pressure	2,820 psi (19,443 kPa)
Stall Torque	9,165 ft-lbs (12,426 Nm)
Torque Slope	3.3 ft-lbs/psi (0.649 Nm/kPa)
Off-Bottom Pressure	183 psi (1,262 kPa)

Specifications	Tool Size - 5-3/4" (127 mm)
Hole Size	6-3/4" - 7-7/8" (152 mm - 179 mm)
Bit Box	3-1/2" REG
Mandrel Bore	1-1/4" (25 mm)
Maximum W.O.B. - Dynamic	41,500 lbs (18,460 daN)
Maximum W.O.B. - Static	116,000 lbs (51,599 daN)
Maximum Bit Overpull	132,000 lbs (58,171 daN)
Absolute Overpull	615,000 lbs (273,565 daN)
Bearing Section Torque Capacity	19,000 ft-lbs (25,760 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	N/A
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type (Standard)	4R
Float Type (CET 43)	3-1/2" IF



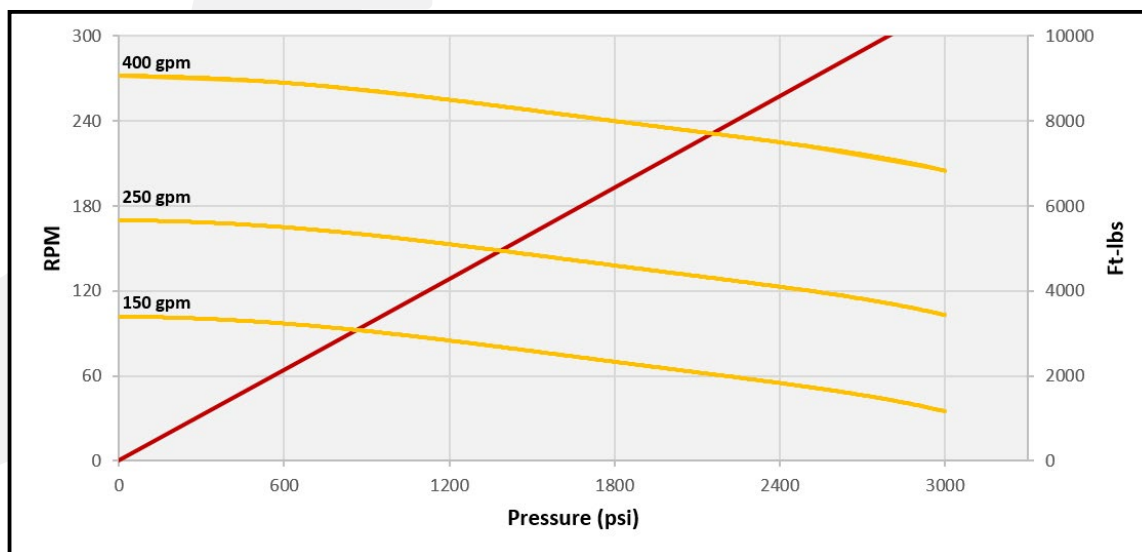
5-3/4" Mud Lube (B) 6/7 8.8

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	426" (10.82 m)
Turbo Scout Nominal Length	411" (10.43 m)
Weight	2,300 lbs (1043 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-400 gpm (568- 1,514 l/min)
Revolutions	0.68 rev/gal 0.180 rev/l
Max Differential Pressure	2240 psi (15,444 kPa)
Max Torque	8,014 ft-lbs (10,865 Nm)
Stall Differential Pressure	3,360 psi (23,166 kPa)
Stall Torque	12,021 ft-lbs (16,298 Nm)
Torque Slope	3.6 ft-lbs/psi (0.708 Nm/kPa)
Off-Bottom Pressure	131 psi (903 kPa)

Specifications	Tool Size - 5-3/4" (127 mm)
Hole Size	6-3/4" - 7-7/8" (152 mm - 179 mm)
Bit Box	3-1/2" REG
Mandrel Bore	1-1/4 (25 mm)
Maximum W.O.B. - Dynamic	41,500 lbs (18,460 daN)
Maximum W.O.B. - Static	116,000 lbs (51,599 daN)
Maximum Bit Overpull	132,000 lbs (58,717 daN)
Absolute Overpull	615,000 lbs (273,565 daN)
Bearing Section Torque Capacity	19,000 ft-lbs (25,760 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	N/A
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type (Standard) Float Type (CET 43)	4R 3-1/2" IF



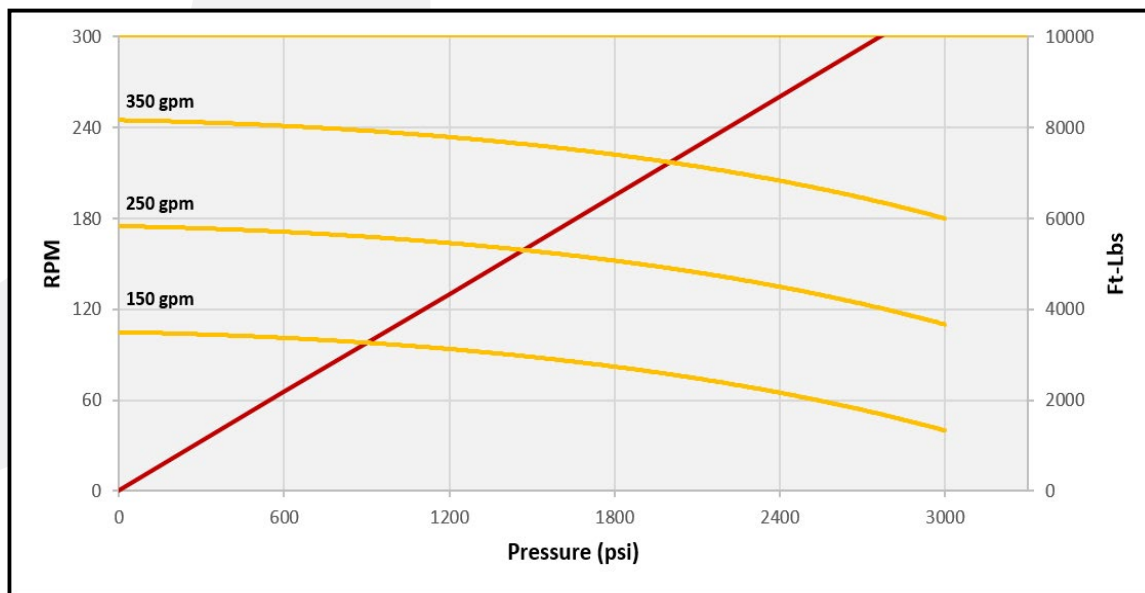
5-3/4" Mud Lube (B) 7/8 8.2

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	401" (10.18")
Turbo Scout Nominal Length	386" (9.80 m)
Weight	2,200 lbs (998 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	150-350 gpm (568- 1,324 l/min)
Revolutions	0.7 rev/gal 0.185 rev/l
Max Differential Pressure	1850 psi (12,755 kPa)
Max Torque	6,700 ft-lbs (9,083 Nm)
Stall Differential Pressure	2,775 psi (19,132 kPa)
Stall Torque	10,050 ft-lbs (13,625 Nm)
Torque Slope	3.6 ft-lbs/psi (0.708 Nm/kPa)
Off-Bottom Pressure	171 psi (1,179 kPa)

Specifications	Tool Size - 5-3/4" (178 mm)
Hole Size	6-3/4" - 7-7/8" (152 mm - 178 mm)
Bit Box	3-1/2" REG
Mandrel Bore	1-1/4" (25.4 mm)
Maximum W.O.B. - Dynamic	41,500 lbs (18,460 daN)
Maximum W.O.B. - Static	116,000 lbs (51,599 daN)
Maximum Bit Overpull	132,000 lbs (58,717 daN)
Absolute Overpull	615,000 lbs (273,565 daN)
Bearing Section Torque Capacity	19,000 ft-lbs (25,760 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	N/A
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type (Standard)	4R
Float Type (CET 43)	3-1/2" IF

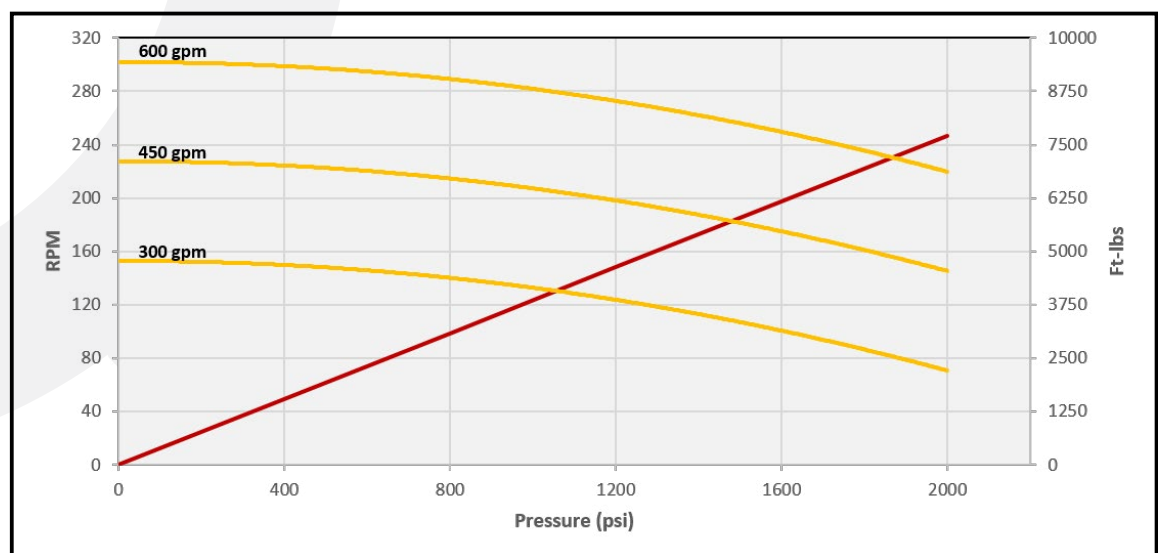


6-1/2" Mud Lube (B) 4/5 7.0 MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	384" (9.75 m)
Turbo Scout Nominal Length	369" (9.37 m)
Weight	2,580 lbs (1,170 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-600 gpm (1,136 - 2,271 l/min)
Revolutions	0.497 rev/gal (0.131 rev/l)
Max Differential Pressure	2,360 psi (16,272 kPa)
Max Torque	9,090 ft-lbs (12,324 Nm)
Stall Differential Pressure	3540 psi (24,407 kPa)
Stall Torque	13,635 ft-lbs (18,487 Nm)
Torque Slope	3.9 ft-lbs/psi (0.767 Nm/kPa)
Off-Bottom Pressure	256 psi (1,765 kPa)

Specifications	Tool Size - 6-1/2" (165 mm)
Hole Size	7-7/8" - 9-7/8" (200 mm - 251 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-1/2" (38 mm)
Maximum W.O.B. - Dynamic	56,000 lbs (24,910 daN)
Maximum W.O.B. - Static	160,000 lbs (71,172 daN)
Maximum Bit Overpull	197,000 lbs (87,630 daN)
Absolute Overpull	845,000 lbs (376,141 daN)
Bearing Section Torque Capacity	35,000 ft-lbs (47,454 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	67-3/4" (1,721 mm)
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type	5R



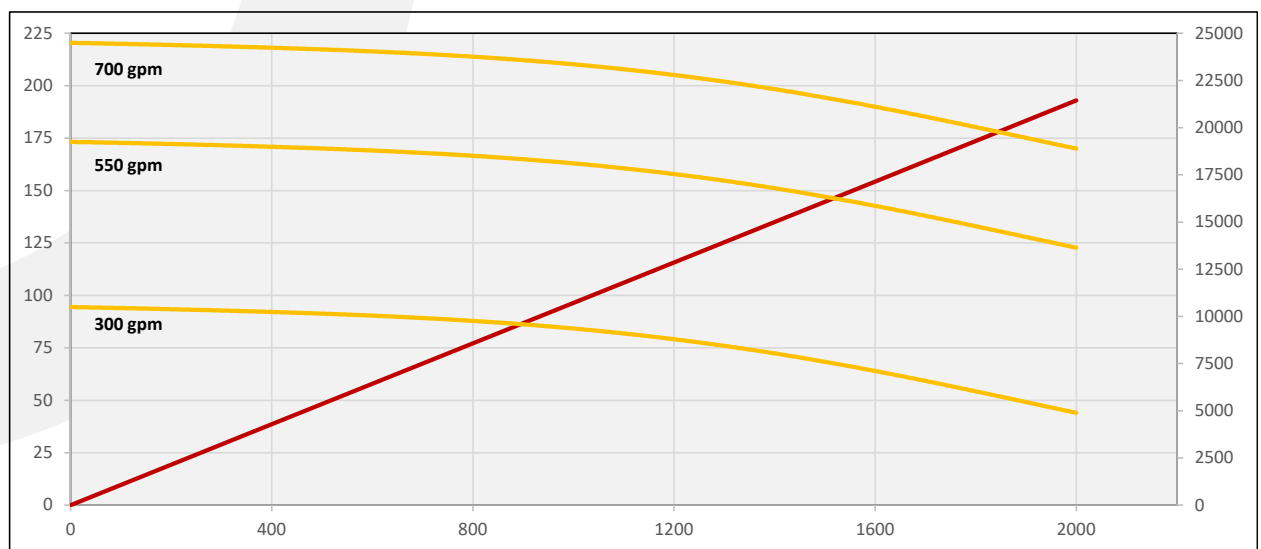
6-1/2" Mud Lube (B) 6/7 7.6

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout (Double Stabilized) Nominal Length	444" (11.27 m)
Turbo Scout Nominal Length	459" (11.65 m)
Weight	2,825 lbs (1281 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-700 gpm (1,136- 2,650 l/min)
Revolutions	0.315 rev/gal 0.083 rev/l
Max Differential Pressure	1808 psi (12,465 kPa)
Max Torque	14,898 ft-lbs (20,199 Nm)
Stall Differential Pressure	2,712 psi (18,700 kPa)
Stall Torque	22,347 ft-lbs (30,298 Nm)
Torque Slope	8.2 ft-lbs/psi (1.612 Nm/kPa)
Off-Bottom Pressure	435 psi (2,999 kPa)

Specifications	Tool Size - 6-1/2" (165 mm)
Hole Size	7-7/8" - 9-7/8" (177 mm - 229 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-1/2" (38 mm)
Maximum W.O.B. - Dynamic	56,000 lbs (24,910 daN)
Maximum W.O.B. - Static	160,000 lbs (71,172 daN)
Maximum Bit Overpull	197,000 lbs (87,630 daN)
Absolute Overpull	845,000 lbs (375,875 daN)
Bearing Section Torque Capacity	35,000 ft-lbs (47,454 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	67-3/4" (1,721 mm)
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type	5R

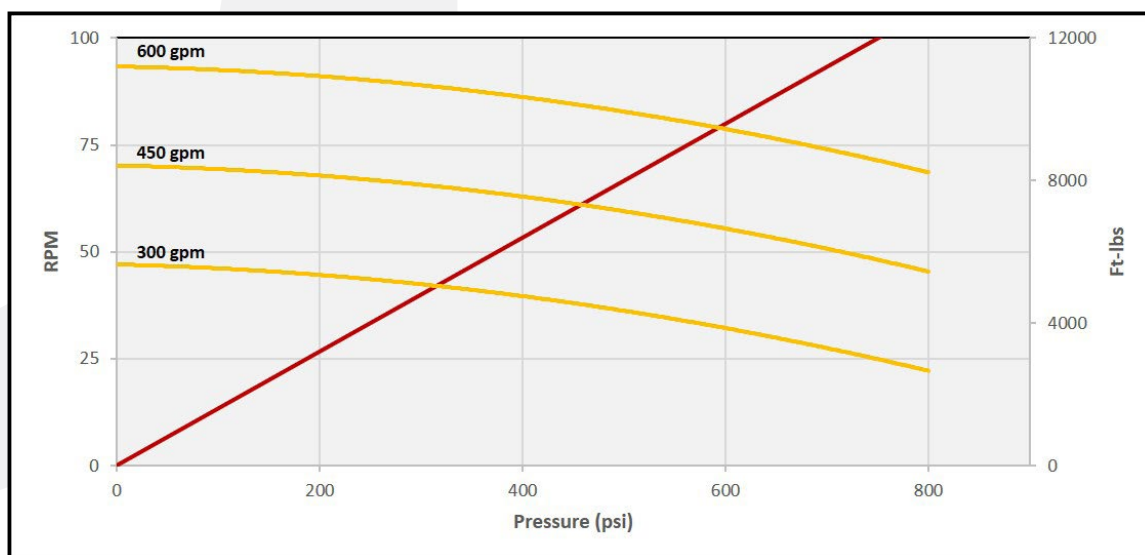


6-1/2" Mud Lube (B) 7/8 3.0 Slow MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	378" (9.60 m)
Turbo Scout Nominal Length	363" (9.22 m)
Weight	2,570 lbs (1,166 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-600 gpm 1,135 - 2,271 l/min)
Revolutions	0.155 rev/gal (0.041 rev/l)
Max Differential Pressure	680 psi (4,688 kPa)
Max Torque	10,880 ft-lbs (14,751 Nm)
Stall Differential Pressure	1,020 psi (7,032 kPa)
Stall Torque	16,320 ft-lbs (22,127 Nm)
Torque Slope	16.0 ft-lbs/psi (3.146 Nm/kPa)
Off-Bottom Pressure	137 psi (945 kPa)

Specifications	Tool Size - 6-1/2" (165 mm)
Hole Size	7-7/8" - 9-7/8" (200 mm - 251 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-1/2" (38 mm)
Maximum W.O.B. - Dynamic	56,000 lbs (24,910 daN)
Maximum W.O.B. - Static	160,000 lbs (71,172 daN)
Maximum Bit Overpull	197,000 lbs (87,630 daN)
Absolute Overpull	845,000 lbs (375,875 daN)
Bearing Section Torque Capacity	38,000 ft-lbs (51,521 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	67-3/4" (1,721 mm)
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type	5R

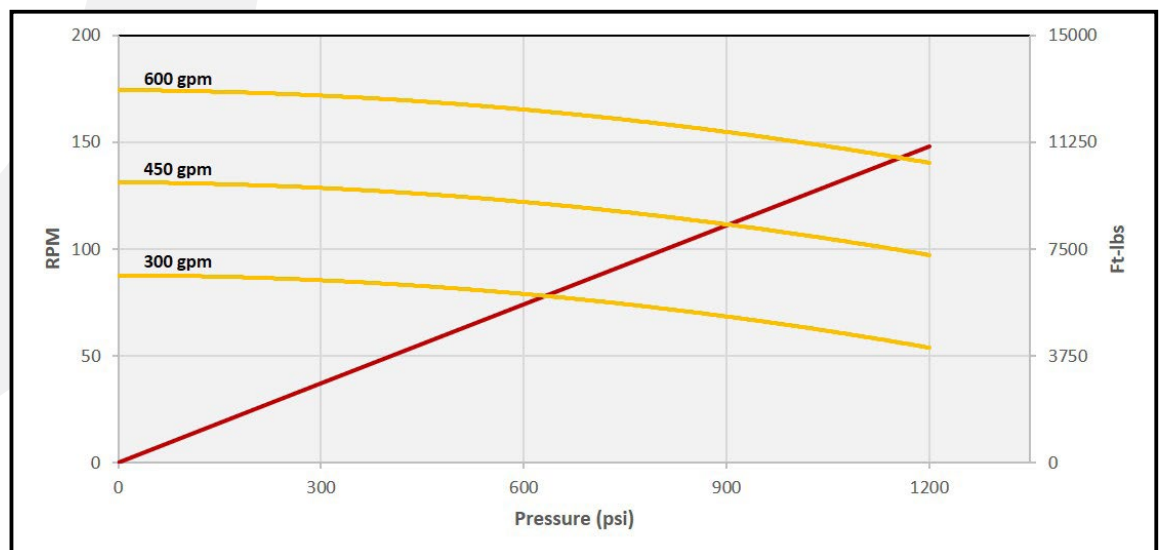


6-1/2" Mud Lube (B) 7/8 5.0 MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	369" (9.37 m)
Turbo Scout Nominal Length	354" (8.99 m)
Weight	2,495 lbs (1,132 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-600 gpm 1,135 - 2,271 l/min)
Revolutions	0.288 rev/gal (0.076 rev/l)
Max Differential Pressure	1,130 psi (7,791 kPa)
Max Torque	10,460 ft-lbs (14,182 Nm)
Stall Differential Pressure	1,695 psi (11,686 kPa)
Stall Torque	15,690 ft-lbs (21,273 Nm)
Torque Slope	9.3 ft-lbs/psi (1.829 Nm/kPa)
Off-Bottom Pressure	193 psi (1,330 kPa)

Specifications	Tool Size - 6-1/2" (165 mm)
Hole Size	7-7/8" - 9-7/8" (200 mm - 251 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-1/2" (38 mm)
Maximum W.O.B. - Dynamic	56,000 lbs (24,910 daN)
Maximum W.O.B. - Static	160,000 lbs (71,172 daN)
Maximum Bit Overpull	197,000 lbs (87,630 daN)
Absolute Overpull	845,000 lbs (375,875 daN)
Bearing Section Torque Capacity	35,000 ft-lbs (47,454 Nm)
Bit to Bend Fixed	48" (914 mm)
Bit to Bend Adjustable	67-3/4" (1721 mm)
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type	5R

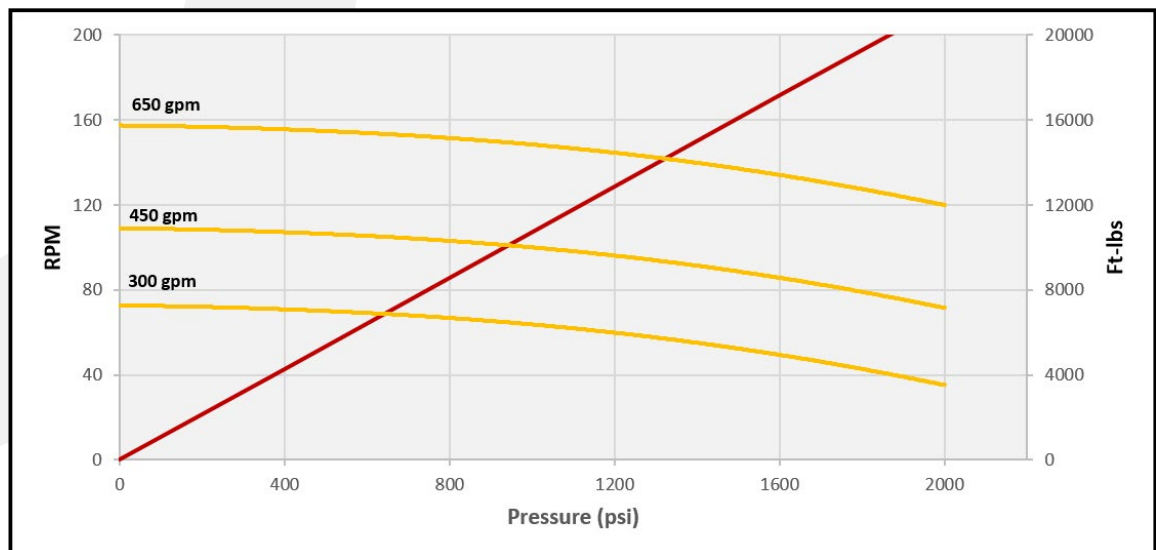


6-1/2" Mud Lube (B) 7/8 5.7 MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	434" (11.02 m)
Turbo Scout Nominal Length	419" (10.64 m)
Weight	2,600 lbs (1,179 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-650 gpm (1,136- 2461 l/min)
Revolutions	0.242 rev/gal 0.064 rev/l
Max Differential Pressure	1280 psi (8,825 kPa)
Max Torque	13,270 ft-lbs (17,992 Nm)
Stall Differential Pressure	1,920 psi (13,237 kPa)
Stall Torque	20,580 ft-lbs (27,903 Nm)
Torque Slope	10.7 ft-lbs/psi (2.104 Nm/kPa)
Off-Bottom Pressure	150 psi (1,034 kPa)

Specifications	Tool Size - 6-1/2" (152 mm)
Hole Size	7-7/8" - 9-7/8" (178 mm - 229 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-1/2" (25 mm)
Maximum W.O.B. - Dynamic	56,000 lbs (24,910 daN)
Maximum W.O.B. - Static	160,000 lbs (71,171 daN)
Maximum Bit Overpull	197,000 lbs (87,630 daN)
Absolute Overpull	845,000 lbs (375,874 daN)
Bearing Section Torque Capacity	35,000 ft-lbs (47,453 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	67-7/8" (1,702 mm)
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type	5R



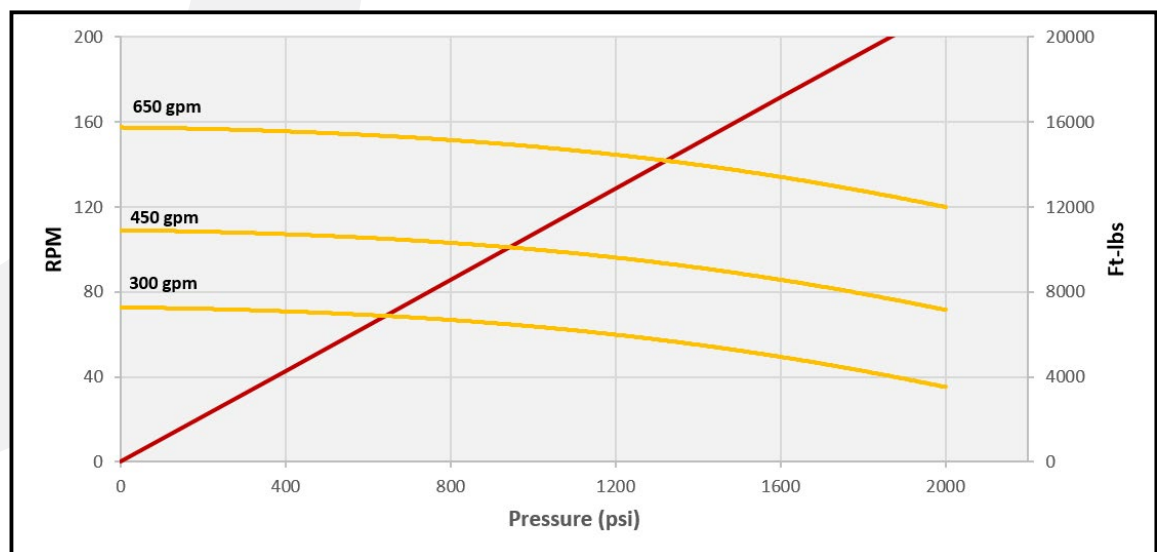
6-5/8" Mud Lube (B) 6/7 7.6

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	459" (11.65 m)
Turbo Scout Nominal Length	444" (11.28 m)
Weight	2,825 lbs (1,281 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-700 gpm (1,136- 2650 l/min)
Revolutions	0.315 rev/gal 0.083 rev/l
Max Differential Pressure	1808 psi (20,199 kPa)
Max Torque	14,898 ft-lbs (17,992 Nm)
Stall Differential Pressure	2,712 psi (18,699 kPa)
Stall Torque	22,347 ft-lbs (30,298 Nm)
Torque Slope	8.24 ft-lbs/psi (1.620 Nm/kPa)
Off-Bottom Pressure	400 psi (2,758 kPa)

Specifications	Tool Size - 6-5/8" (152 mm)
Hole Size	7-7/8" - 9-7/8" (178 mm - 229 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-1/2" (25 mm)
Maximum W.O.B. - Dynamic	58,000 lbs (25,800 daN)
Maximum W.O.B. - Static	170,000 lbs (71,171 daN)
Maximum Bit Overpull	290,000 lbs (128,999 daN)
Absolute Overpull	820,000 lbs (364,754 daN)
Bearing Section Torque Capacity	38,500 ft-lbs (52,199 Nm)
Bit to Bend Fixed	36" (914 mm)
Bit to Bend Adjustable	56" (1,422 mm)
U-Joint Torque Capacity	27,000 ft-lbs (36,607 Nm)
Float Type	5R



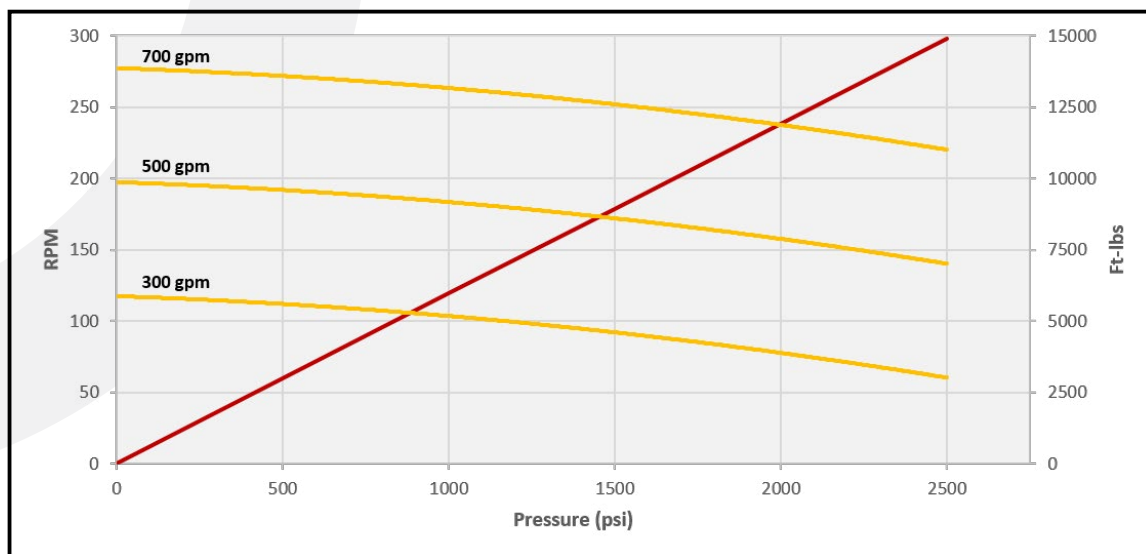
7-1/8" Mud Lube (B) 5/6 9.4

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	448" (11.38 m)
Turbo Scout Nominal Length	433' (10.99 m)
Weight	4,500 lbs (2041 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-700 gpm (1,136- 2,650 l/min)
Revolutions	0.4 rev/gal 0.106 rev/l
Max Differential Pressure	1880 psi (12,962 kPa)
Max Torque	11,214 ft-lbs (15,204 Nm)
Stall Differential Pressure	2,820 psi (19,443 kPa)
Stall Torque	16,821 ft-lbs (22,806 Nm)
Torque Slope	6.0 ft-lbs/psi (1.180 Nm/kPa)
Off-Bottom Pressure	128 psi (883 kPa)

Specifications	Tool Size - 7-1/8" (178 mm)
Hole Size	8-3/8" - 9-7/8" (203 mm - 229 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-3/4" (25 mm)
Maximum W.O.B. - Dynamic	58,000 lbs (25,800 daN)
Maximum W.O.B. - Static	164,000 lbs (72,951 daN)
Maximum Bit Overpull	202,000 lbs (89,854 daN)
Absolute Overpull	865,000 lbs (384,771 daN)
Bearing Section Torque Capacity	43,000 ft-lbs (58,300 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	69-1/4" (1,753 mm)
U-Joint Torque Capacity	31,000 ft-lbs (42,030 Nm)
Float Type	5R



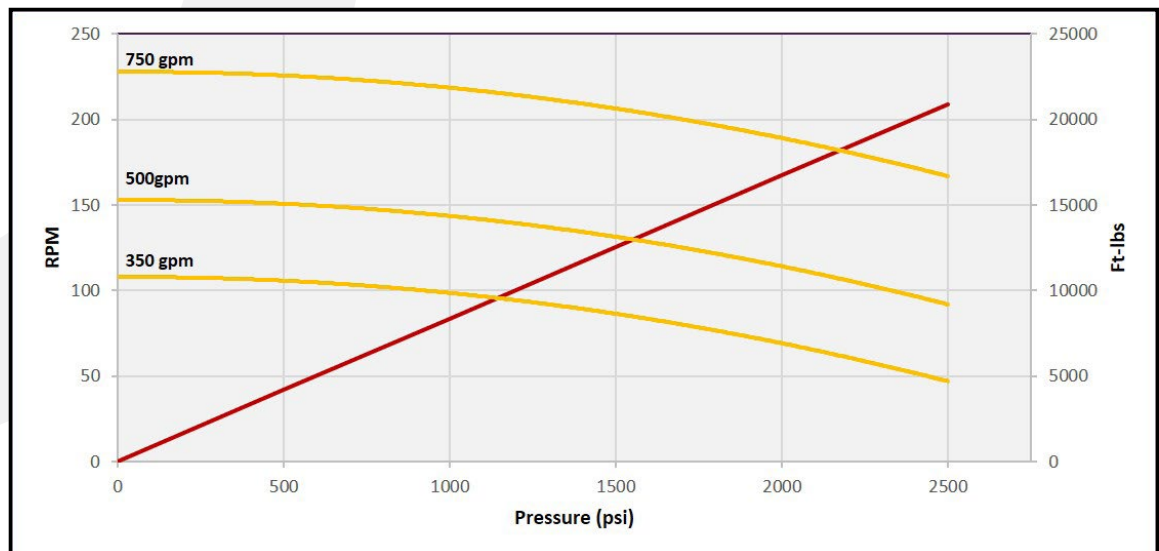
7-1/8" Mud Lube (B) 6/7 8.4

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	448" (11.38 m)
Turbo Scout Nominal Length	433" (10.99 m)
Weight	4,500 lbs (2041 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	350-750 gpm (1,325- 2,839 l/min)
Revolutions	0.30 rev/gal .079 rev/l
Max Differential Pressure	1980 psi (13,652 kPa)
Max Torque	16,550 ft-lbs (22,439 Nm)
Stall Differential Pressure	3,110 psi (21,443 kPa)
Stall Torque	26,060 ft-lbs (35,333 Nm)
Torque Slope	8.4 ft-lbs/psi (1.648 Nm/kPa)
Off-Bottom Pressure	160 psi (1,103 kPa)

Specifications	Tool Size - 7-1/8" (178 mm)
Hole Size	8-3/8" - 9-7/8" (203 mm - 229 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-3/4" (25 mm)
Maximum W.O.B. - Dynamic	58,000 lbs (25,800 daN)
Maximum W.O.B. - Static	164,000 lbs (72,951 daN)
Maximum Bit Overpull	202,000 lbs (89,854 daN)
Absolute Overpull	865,000 lbs (384,771 daN)
Bearing Section Torque Capacity	43,000 ft-lbs (58,300 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	69-1/4" (1,753 mm)
U-Joint Torque Capacity	31,000 ft-lbs (42,030 Nm)
Float Type	5R



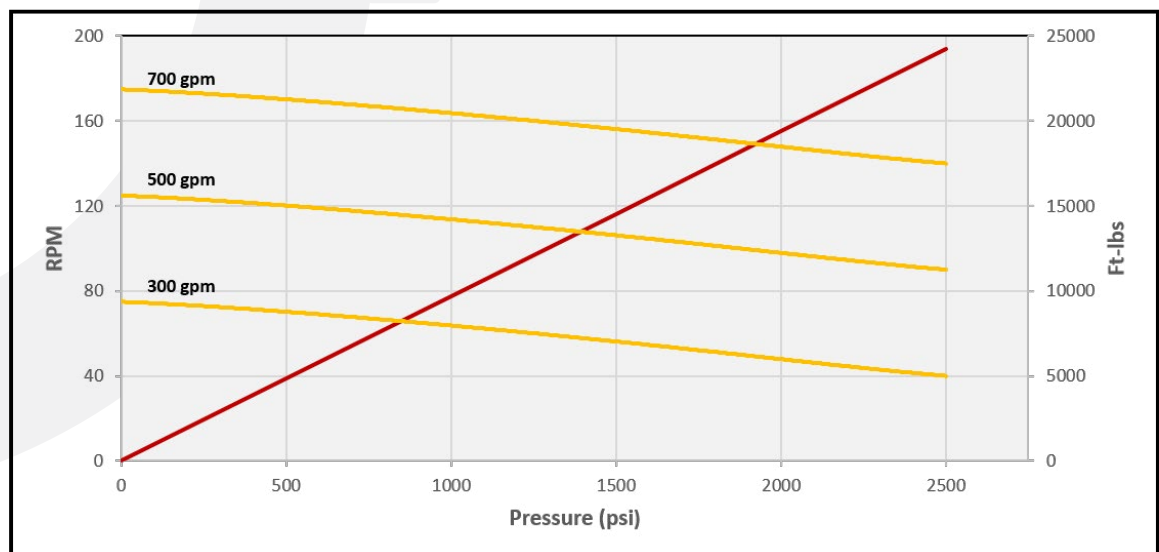
7-1/8" Mud Lube (B) 7/8 6.9

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	448" (11.38 m)
Turbo Scout Nominal Length	433" (10.99 m)
Weight	4,500 lbs (2041 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-750 gpm (1,136- 2,839 l/min)
Revolutions	0.25 rev/gal 0.066 rev/l
Max Differential Pressure	1960 psi (13,514 kPa)
Max Torque	19,010 ft-lbs (25,774 Nm)
Stall Differential Pressure	2,940 psi (20,270 kPa)
Stall Torque	28,515 ft-lbs (38,661 Nm)
Torque Slope	9.7 ft-lbs/psi (1.907 Nm/kPa)
Off-Bottom Pressure	127 psi (876 kPa)

Specifications	Tool Size - 7-1/8" (178 mm)
Hole Size	8-3/8" - 9-7/8" (203 mm - 229 mm)
Bit Box	4-1/2" REG
Mandrel Bore	1-3/4" (25 mm)
Maximum W.O.B. - Dynamic	58,000 lbs (25,800 daN)
Maximum W.O.B. - Static	164,000 lbs (72,951 daN)
Maximum Bit Overpull	202,000 lbs (89,854 daN)
Absolute Overpull	865,000 lbs (384,771 daN)
Bearing Section Torque Capacity	43,000 ft-lbs (58,300 Nm)
Bit to Bend Fixed	48" (1,219 mm)
Bit to Bend Adjustable	69-1/4" (1,753 mm)
U-Joint Torque Capacity	31,000 ft-lbs (42,030 Nm)
Float Type	5R



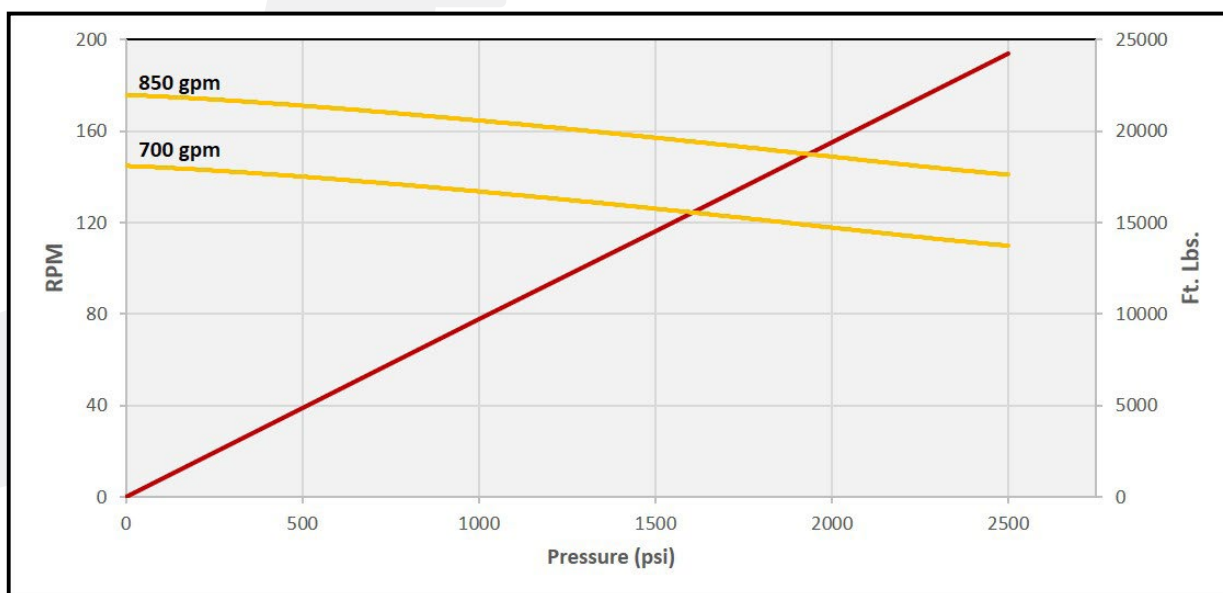
7 1/8" Mud Lube .21 RPG

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	494" (12.55 m)
Turbo Scout Nominal Length	479" (12.16 m)
Weight	6,000 lbs (2721 kg)
Performance Details	
Flow Range	600-900 gpm (2,271 - 3,407 l/min)
Revolutions	0.21 rev/gal 0.055 rev/l
Max Differential Pressure	1950 psi (13,445 kPa)
Max Torque	18,915 ft-lbs (25,645 Nm)
Stall Differential Pressure	2,925 psi (20,167 kPa)
Stall Torque	28,373 ft-lbs (38,469 Nm)
Torque Slope	9.7 ft-lbs/psi (1.907 Nm/kPa)
Off-Bottom Pressure	127 psi (876 kPa)

Specifications	Tool Size - 7-1/8" (181 mm)
Hole Size	8-1/2" - 10-5/8" (216 mm - 254mm)
Bit Box	6-5/8" REG
Mandrel Bore	1-3/4" (38 mm)
Maximum W.O.B. - Dynamic	58,000 lbs (25,800 daN)
Maximum W.O.B. - Static	164,000 lbs (72,951 daN)
Maximum Bit Overpull	202,000 lbs (89,854 daN)
Absolute Overpull	865,000 lbs (384,771 daN)
Bearing Section Torque Capacity	43,000 ft-lbs (58,300 Nm)
Bit to Bend Fixed	52" (1,321 mm)
Bit to Bend Adjustable	73-1/2" (2,159 mm)
U-Joint Torque Capacity	40,000 ft-lbs (54,233 Nm)
Float Type	5R



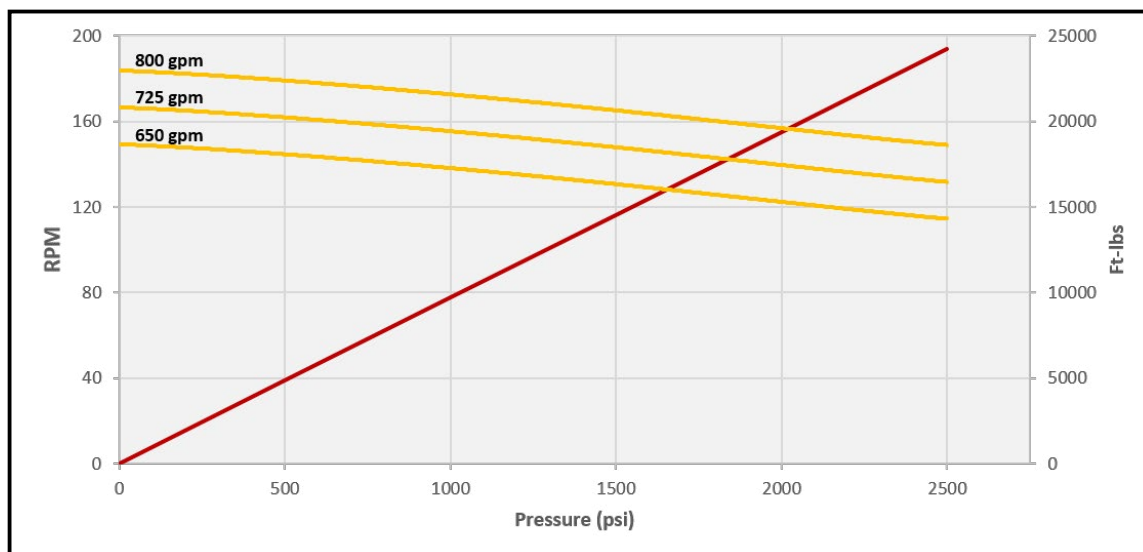
7 1/8" Mud Lube .23 RPG

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Nominal Length	494" (12.54")
Turbo Scout Nominal Length	479" (12.16 m)
Weight	6,000 lbs (2721 kg)
Performance Details	
Flow Range	500-800 gpm (1,892 - 3028 l/min)
Revolutions	0.23 rev/gal 0.061 rev/l
Max Differential Pressure	1950 psi (13,448 kPa)
Max Torque	18,915 ft-lbs (25,645 Nm)
Stall Differential Pressure	2,925 psi (20,167 kPa)
Stall Torque	28,373 ft-lbs (38,469 Nm)
Torque Slope	9.7 ft-lbs/psi (1.907 Nm/kPa)
Off-Bottom Pressure	127 psi (876 kPa)

Specifications	Tool Size - 7-1/8" (181 mm)
Hole Size	8-1/2" - 10-5/8" (216 mm - 254 mm)
Bit Box	6-5/8" REG
Mandrel Bore	1-3/4" (38 mm)
Maximum W.O.B. - Dynamic	58,000 lbs (25,800 daN)
Maximum W.O.B. - Static	164,000 lbs (72,951 daN)
Maximum Bit Overpull	202,000 lbs (89,854 daN)
Absolute Overpull	865,000 lbs (384,771 daN)
Bearing Section Torque Capacity	43,000 ft-lbs (58,300 Nm)
Bit to Bend Fixed	52" (1,321 mm)
Bit to Bend Adjustable	73-1/4" (1,860 mm)
U-Joint Torque Capacity	40,000 ft-lbs (54,233 Nm)
Float Type	5R



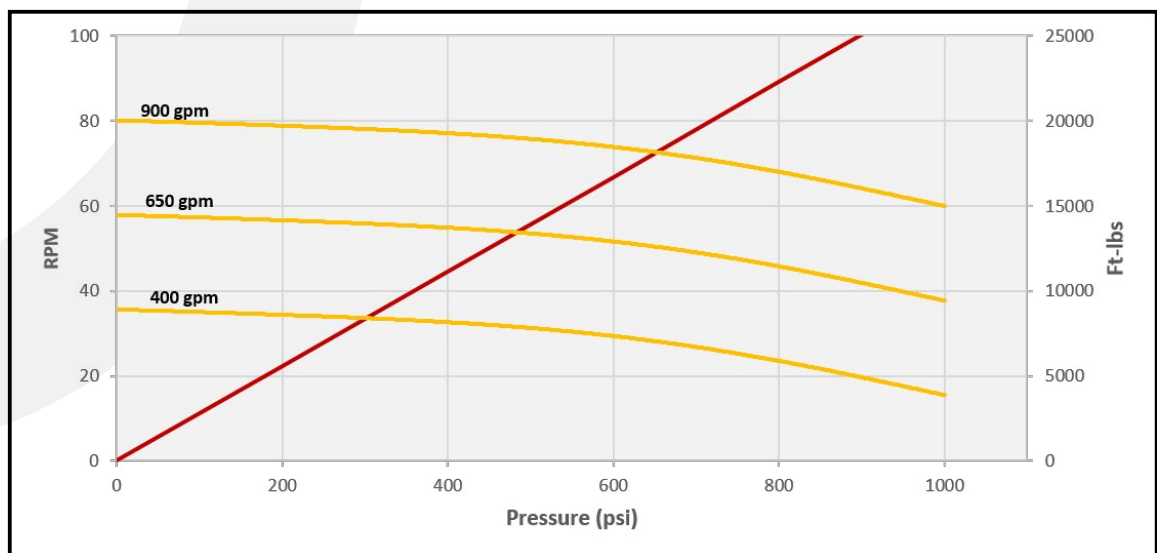
8" Mud Lube (B) 7/8 3.4

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	510.38" (12.96 m)
Weight	6,443 lbs (2,922 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-900 gpm (1,514- 3,407 l/min)
Revolutions	0.089 rev/gal 0.024 rev/l
Max Differential Pressure	770 psi (5,309 kPa)
Max Torque	21,450 ft-lbs (29,082 Nm)
Stall Differential Pressure	1,150 psi (7,929 kPa)
Stall Torque	32,180 ft-lbs (43,630 Nm)
Torque Slope	28.04 ft-lbs/psi (5.514 Nm/kPa)
Off-Bottom Pressure	200 psi (1,379 kPa)

Specifications	Tool Size - 8" (203 mm)
Hole Size	9-7/8" - 12-1/4" (229 mm - 305 mm)
Bit Box	6-5/8" REG
Mandrel Bore	2" (51 mm)
Maximum W.O.B. - Dynamic	81,000 lbs (36,031 daN)
Maximum W.O.B. - Static	228,000 lbs (101,420 daN)
Maximum Bit Overpull	282,000 lbs (125,440 daN)
Absolute Overpull	1,206,000 lbs (536,457 daN)
Bearing Section Torque Capacity	55,000 ft-lbs (74,570 Nm)
Bit to Bend Fixed	65" (1,651 mm)
Bit to Bend Adjustable	88" (2,235 mm)
U-Joint Torque Capacity	40,000 ft-lbs (54,233 Nm)
Float Type	5F - 6R



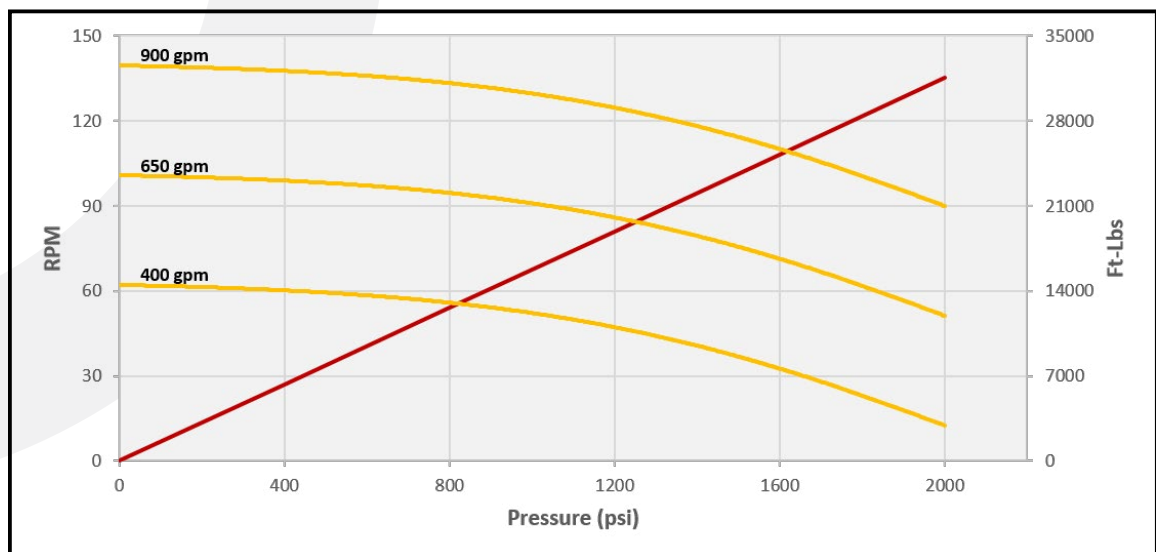
8" Mud Lube (B) 7/8 4.0

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	413.63" (10.50 m)
Weight	4,493 lbs (2,038 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-900 gpm (1,514- 3,407 l/min)
Revolutions	0.155 rev/gal (0.041 rev/l)
Max Differential Pressure	940 psi (6,481 kPa)
Max Torque	14,830 ft-lbs (20,107 Nm)
Stall Differential Pressure	1490 psi (10,273 kPa)
Stall Torque	23,500 ft-lbs (31,658 Nm)
Torque Slope	15.7 ft-lbs/psi (3.087 Nm/kPa)
Off-Bottom Pressure	150 psi (1,039kPa)

Specifications	Tool Size - 8" (203 mm)
Hole Size	9-7/8" - 12-1/4" (229 mm - 305 mm)
Bit Box	6-5/8" REG
Mandrel Bore	2" (51 mm)
Maximum W.O.B. - Dynamic	81,000 lbs (36,031 daN)
Maximum W.O.B. - Static	228,000 lbs (101,419 daN)
Maximum Bit Overpull	282,000 lbs (125,440 daN)
Absolute Overpull	1,206,000 lbs (536,456 daN)
Bearing Section Torque Capacity	55,000 ft-lbs (74,570 Nm)
Bit to Bend Fixed	65" (1,651 mm)
Bit to Bend Adjustable	88" (2,235 mm)
U-Joint Torque Capacity	40,000 ft-lbs (54,233 Nm)
Float Type	5F - 6R



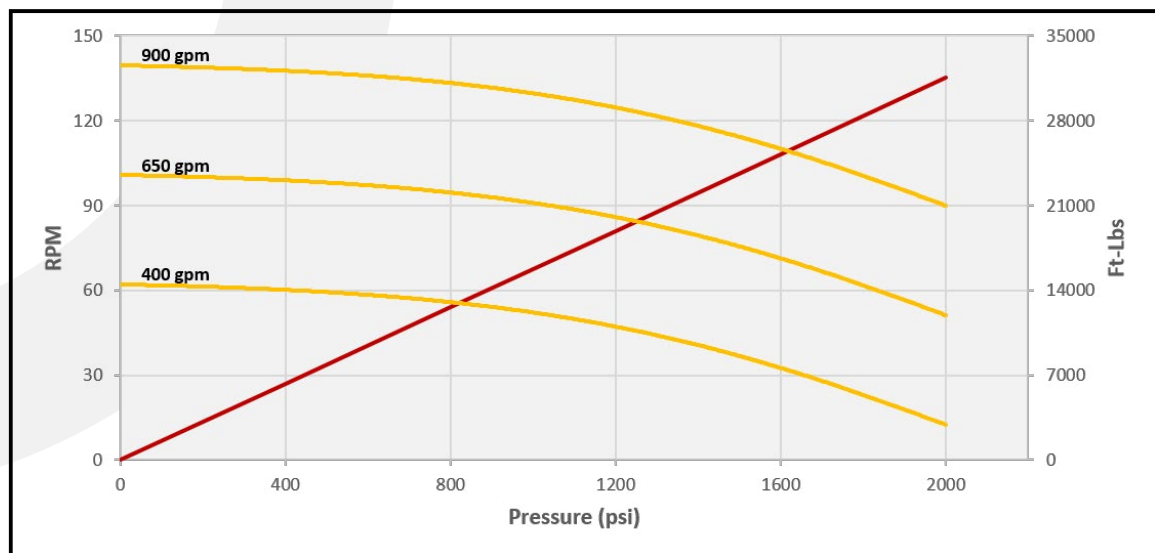
8" Mud Lube (B) 7/8 5.9

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	510.38" (12.96 m)
Weight	6,443 lbs (2,922 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-900 gpm (1,514- 3,407 l/min)
Revolutions	0.155 rev/gal 0.041 rev/l
Max Differential Pressure	1,390 psi (9,584 kPa)
Max Torque	21,870 ft-blbs (29,652 Nm)
Stall Differential Pressure	2,190 psi (15,100 kPa)
Stall Torque	34,440 ft-lbs (46,694 Nm)
Torque Slope	15.7 ft-lbs/psi (3.087 Nm/kPa)
Off-Bottom Pressure	184psi (1,269 kPa)

Specifications	Tool Size - 8" (203 mm)
Hole Size	9-7/8" - 12-1/4" (229 mm - 305 mm)
Bit Box	6-5/8" REG
Mandrel Bore	2" (51 mm)
Maximum W.O.B. - Dynamic	81,000 lbs (36,031 daN)
Maximum W.O.B. - Static	228,000 lbs (101,419 daN)
Maximum Bit Overpull	282,000 lbs (125,440 daN)
Absolute Overpull	1,206,000 lbs (536,456 daN)
Bearing Section Torque Capacity	55,000 ft-lbs (74,570 Nm)
Bit to Bend Fixed	65" (1,651 mm)
Bit to Bend Adjustable	88" (2,235 mm)
U-Joint Torque Capacity	40,000 ft-lbs (54,233 Nm)
Float Type	5F - 6R



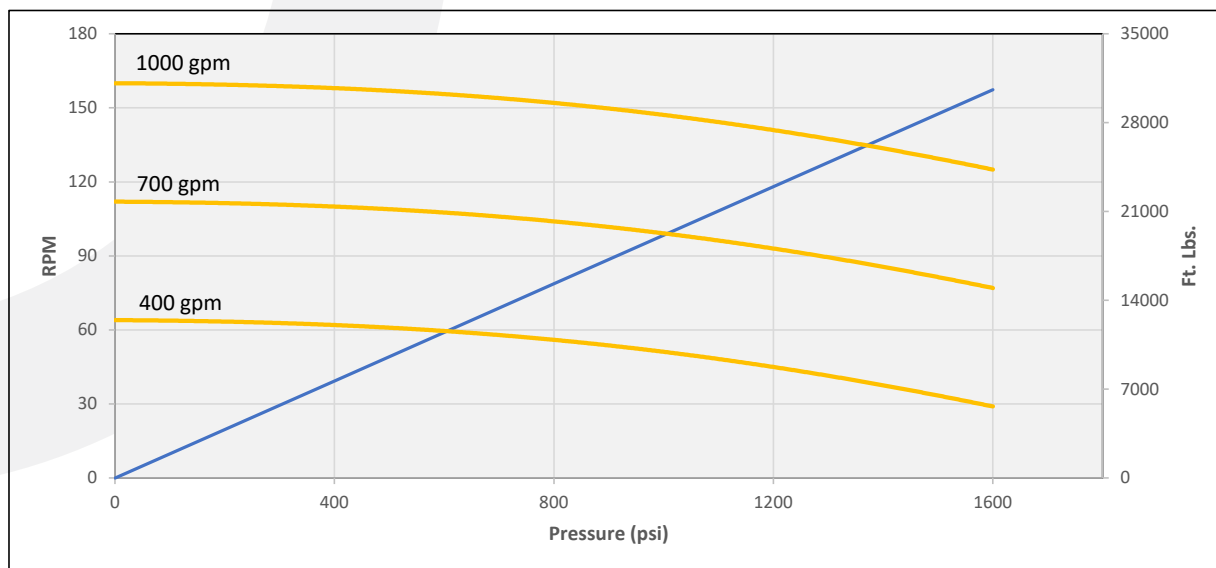
8-1/4" Mud Lube (B) 7/8 7.0

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	506.38" (12.6 m)
Weight	6,535 lbs (2,964 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-1000 gpm (1,514- 3,785 l/min)
Revolutions	0.160 rev/gal 0.042 rev/l
Max Differential Pressure	1650 psi (11,376 kPa)
Max Torque	25,210 ft-blbs (34,180 Nm)
Stall Differential Pressure	2,600 psi (17,926 kPa)
Stall Torque	39,700 ft-lbs (53,825 Nm)
Torque Slope	15.3 ft-lbs/psi (3,009 Nm/kPa)
Off-Bottom Pressure	180 psi (1,241 kPa)

Specifications	Tool Size - 8-1/4" (210 mm)
Hole Size	9-7/8" - 12-1/4" (229 mm - 305 mm)
Bit Box	6-5/8" REG
Mandrel Bore	2" (51 mm)
Maximum W.O.B. - Dynamic	81,000 lbs (36,031 daN)
Maximum W.O.B. - Static	228,000 lbs (101,419 daN)
Maximum Bit Overpull	282,000 lbs (125,440 daN)
Absolute Overpull	1,206,000 lbs (536,456 daN)
Bearing Section Torque Capacity	55,000 ft-lbs (74,570 Nm)
Bit to Bend Fixed	65" (1,651 mm)
Bit to Bend Adjustable	88" (2,235 mm)
U-Joint Torque Capacity	40,000 ft-lbs (54,233 Nm)
Float Type	5F - 6R

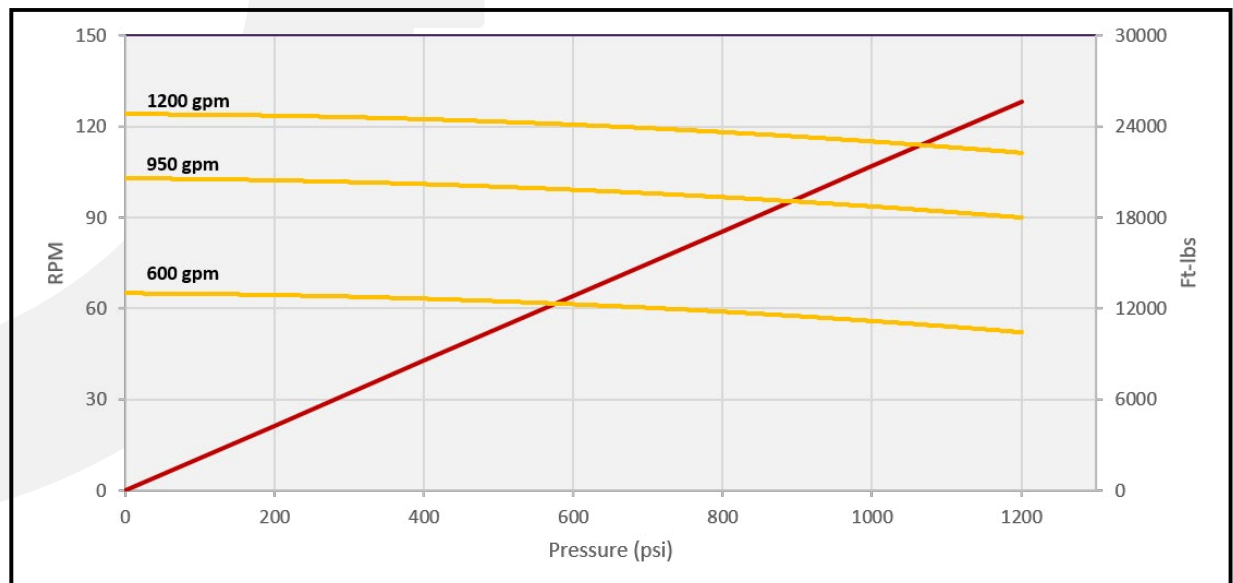


9-5/8" Oil Sealed 5/6 4.0

MOTOR SPECIFICATIONS

Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	415" (10.54 m)
Weight	9,011 lbs (4,087 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	600 - 1,200 gpm (2,271 - 4,542 l/min)
Revolutions	.108 rev/gal (0.029 rev/l)
Max Differential Pressure	900 psi (6,205 kPa)
Max Torque	19,240 ft-lbs (26,086 Nm)
Stall Differential Pressure	1350 psi (9,308 kPa)
Stall Torque	28,850 ft-lbs (39,115 Nm)
Torque Slope	21.37 ft-lbs/psi (4.202 Nm/kPa)
Off-Bottom Pressure	238 psi (1,641 kPa)

Specifications	Tool Size - 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	2-1/2" (64 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	450,000 lbs (200,170 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	64-1/4" (1,632 mm)
Bit to Bend Adjustable	91-1/8" (2,315 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R



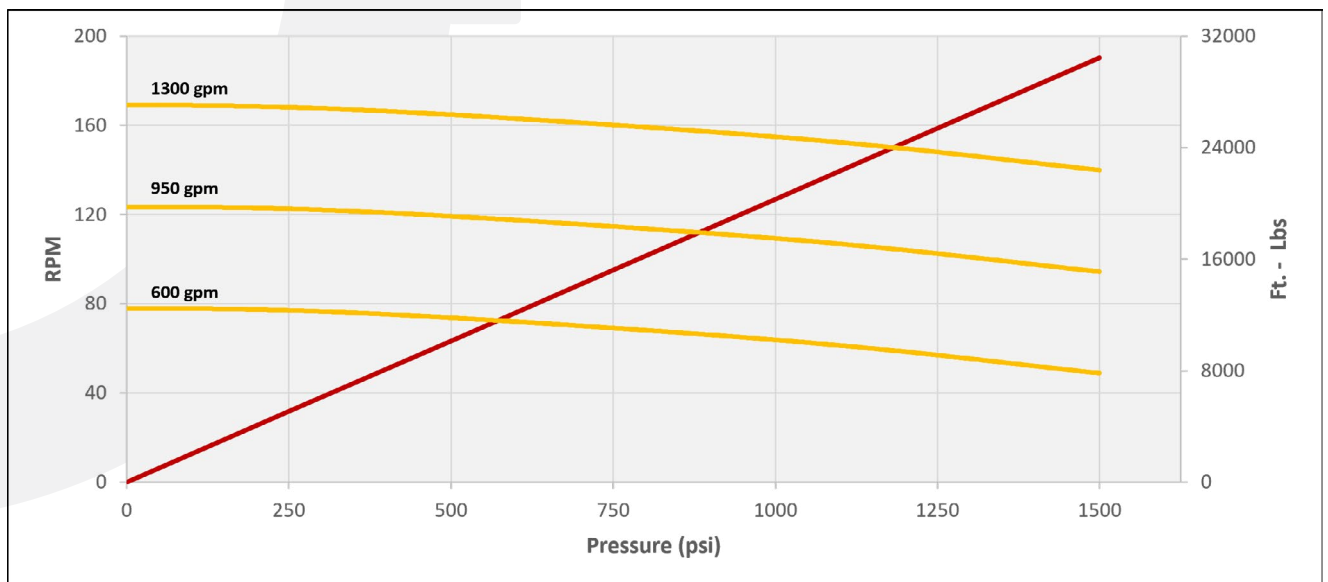
9-5/8" Oil Sealed 6/7 6.0

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	415" (10.54 m)
Weight	8,900 lbs (4,037 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	600 - 1,300 gpm (2,271 - 4,921 l/min)
Revolutions	0.13 rev/gal (0.034 rev/l)
Max Differential Pressure	1410 psi (9,722 kPa)
Max Torque	28,630 ft-lbs (38,817 Nm)
Stall Differential Pressure	2,230 psi (15,375 kPa)
Stall Torque	45,090 ft-lbs (61,133 Nm)
Torque Slope	20.3 ft-lbs/psi (3.992 Nm/kPa)
Off-Bottom Pressure	271 psi (1,868 kPa)

Specifications	Tool Size - 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	2-1/2" (64 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	430,000 lbs (191,274 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	71" (1,803 mm)
Bit to Bend Adjustable	91-1/8" (2,315 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R



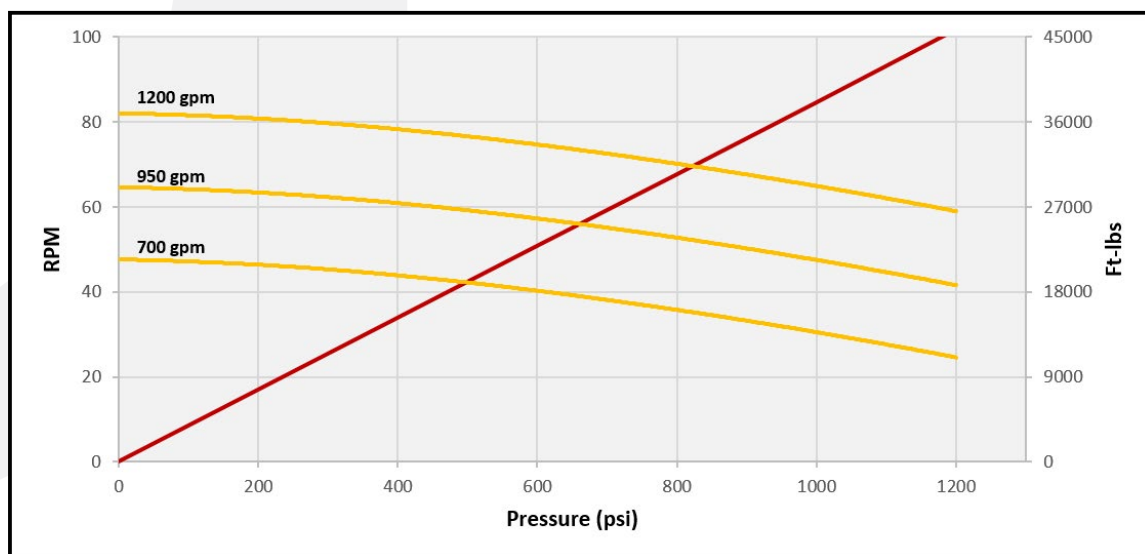
9-5/8" Oil Sealed 7/8 3.9

MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	465" (11.81 m)
Weight	9,500 lbs (4,309 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	600 - 1,200 gpm (2,271 - 4,542 l/min)
Revolutions	0.068 rev/gal (0.018 rev/l)
Max Differential Pressure	880 psi (6,067 kPa)
Max Torque	33,750 ft-lbs (45,759 Nm)
Stall Differential Pressure	1320 psi (9,101 kPa)
Stall Torque	50,630 ft-lbs (68,645 Nm)
Torque Slope	38.4 ft-lbs/psi (7.551 Nm/kPa)
Off-Bottom Pressure	221 psi (1,523 kPa)

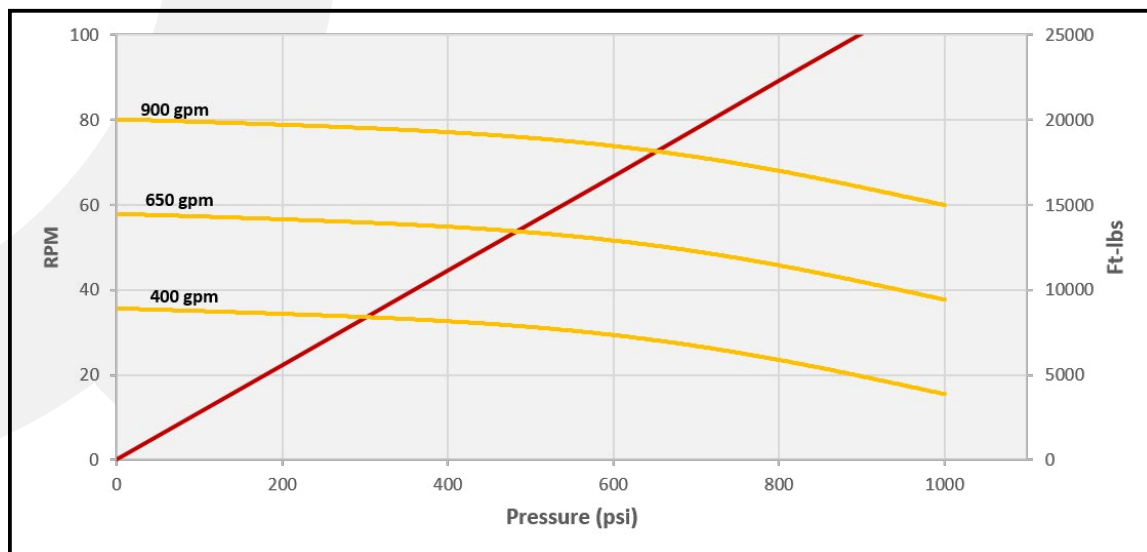
Specifications	Tool Size 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	3" (76 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	430,000 lbs (191,274 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	64-1/4" (1,632 mm)
Bit to Bend Adjustable	91-1/8" (2,311 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R



9-5/8" x 8" Oil Sealed 7/8 3.4 MOTOR SPECIFICATIONS

Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	506" (12.86 m)
Weight	7,370 lbs (3,343 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-900 gpm (1,514- 3,407 l/min)
Revolutions	0.09 rev/gal (0.024 rev/l)
Max Differential Pressure	800 psi (5,516 kPa)
Max Torque	22,530 ft-lbs (30,547 Nm)
Stall Differential Pressure	1260 psi (8,687 kPa)
Stall Torque	35,480 ft-lbs (48,104 Nm)
Torque Slope	28.19 ft-lbs/psi (5.543 Nm/kPa)
Off-Bottom Pressure	134 psi (924 kPa)

Specifications	Tool Size - 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	3" (76 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	430,000 lbs (191,274 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	64-1/4" (1,632 mm)
Bit to Bend Adjustable	91-1/8" (2,311 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R

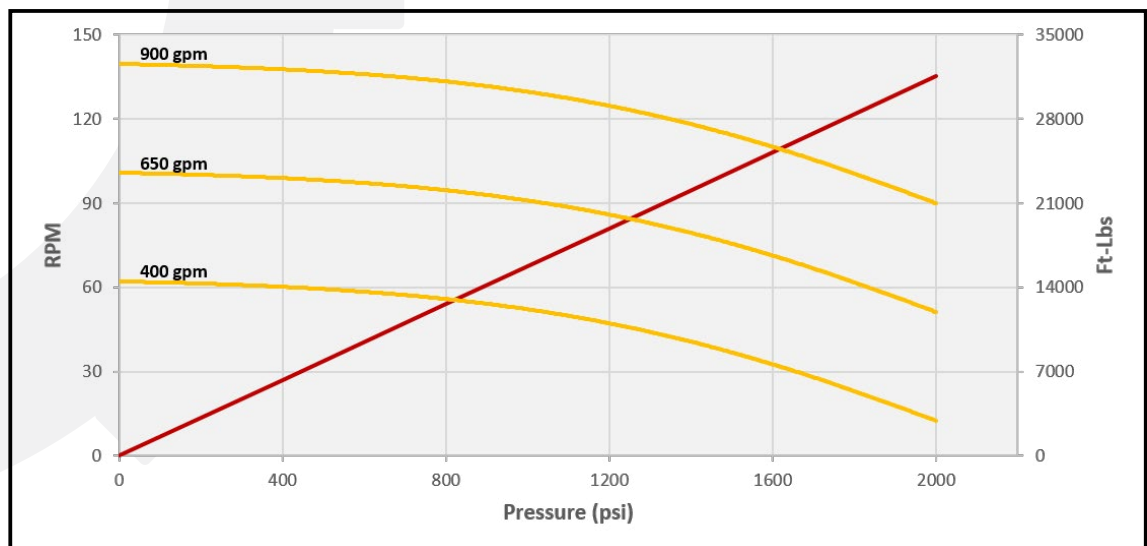


9-5/8" x 8" Oil Sealed 7/8 5.9 MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	506" (12.86 m)
Weight	7,500 lbs (3,402 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-900 gpm (1,514- 3,407 l/min)
Revolutions	0.155 rev/gal (0.041 rev/l)
Max Differential Pressure	1390 psi (9,584 kPa)
Max Torque	21,870 ft-lbs (29,652 Nm)
Stall Differential Pressure	2190 psi (15,100 kPa)
Stall Torque	34,440 ft-lbs (46,694 Nm)
Torque Slope	15.7 ft-lbs/psi (3.087 Nm/kPa)
Off-Bottom Pressure	184 psi (1,269 kPa)

Specifications	Tool Size - 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	3" (76 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	430,000 lbs (191,274 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	64-1/4" (1,632 mm)
Bit to Bend Adjustable	91-1/8" (2,311 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R

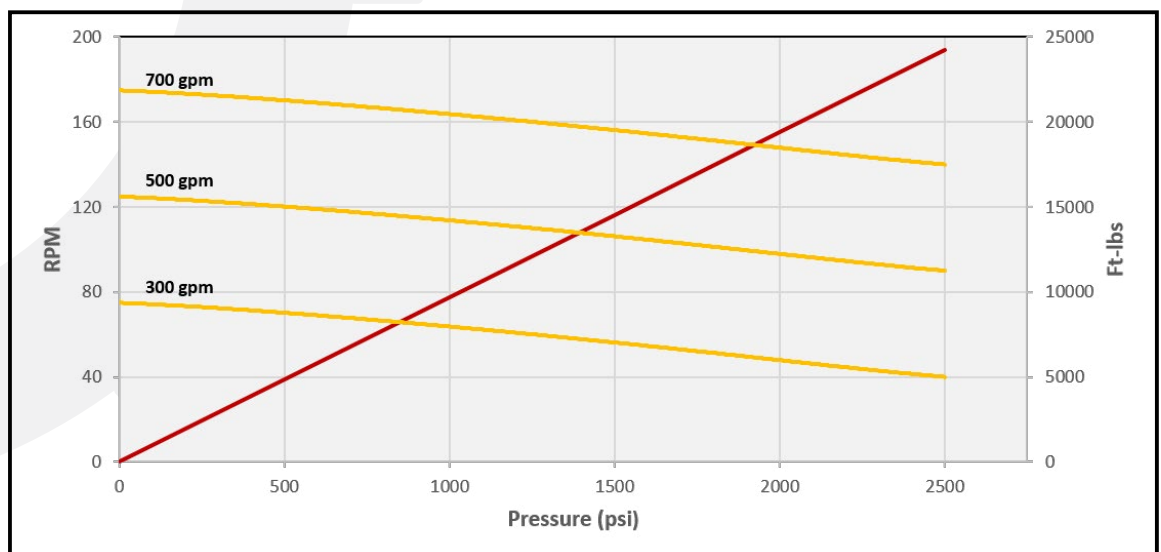


9-5/8" x 8" Oil Sealed 7/8 6.9 MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	433" (10.99 m)
Weight	4,500 lbs (2041 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	300-750 gpm (1,136 - 2,839 l/min)
Revolutions	0.25 rev/gal 0.066 rev/l
Max Differential Pressure	1960 psi (13,514 kPa)
Max Torque	19,010 ft-lbs (25,774 Nm)
Stall Differential Pressure	2,940 psi (20,270 kPa)
Stall Torque	28,515 ft-lbs (38,661 Nm)
Torque Slope	9.7 ft-lbs/psi (1.907 Nm/kPa)
Off-Bottom Pressure	127 psi (876 kPa)

Specifications	Tool Size - 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	3" (76 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	430,000 lbs (191,274 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	64-1/4" (1,632 mm)
Bit to Bend Adjustable	91-1/8" (2,311 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R

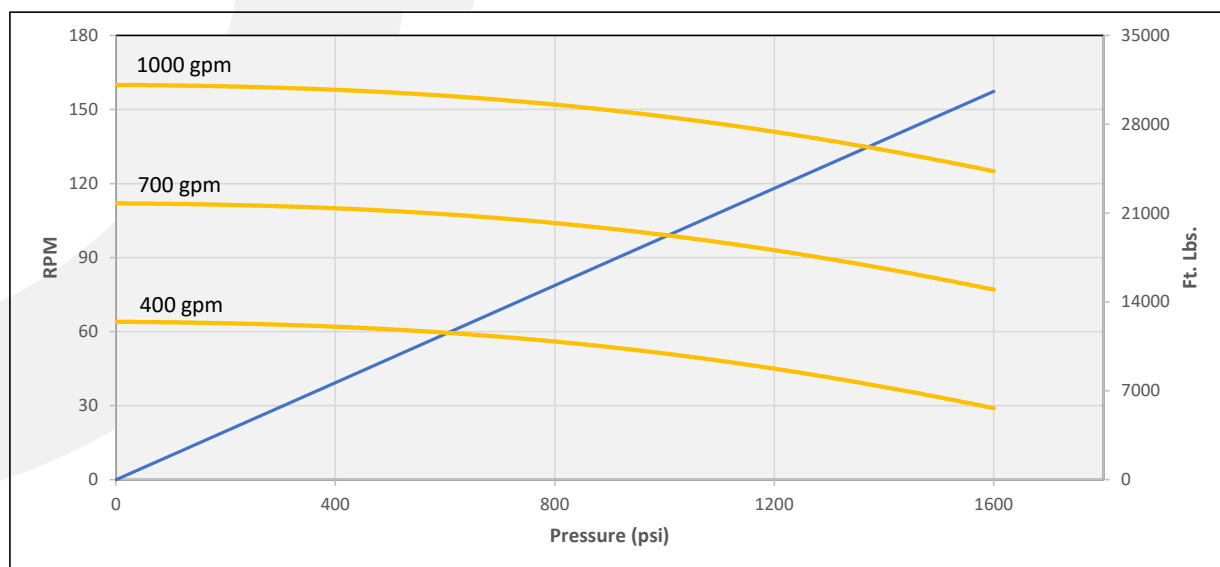


9-5/8" x 8-1/4" Oil Sealed 7/8 7.0 MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	502" (12.75 m)
Weight	7,592 lbs (3,444 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-1000 gpm (1,514- 3,485 l/min)
Revolutions	0.160 rev/gal (0.042 rev/l)
Max Differential Pressure	1650 psi (11,376 kPa)
Max Torque	25,210 ft-lbs (34,180 Nm)
Stall Differential Pressure	2600 psi (17,926 kPa)
Stall Torque	39,700 ft-lbs (53,825 Nm)
Torque Slope	15.3 ft-lbs/psi (3.009 Nm/kPa)
Off-Bottom Pressure	180 psi (1,241 kPa)

Specifications	Tool Size - 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	2-1/2" (64 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	450,000 lbs (200,170 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	56-1/2" (1,435 mm)
Bit to Bend Adjustable	83" (2,108 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R



9-5/8" x 8-3/4" Oil Sealed 7/8 7.0 MOTOR SPECIFICATIONS



Physical Details	
Turbo Scout DS (Double Stabilized) Turbo Scout Nominal Length	502" (12.75 m)
Weight	8,160 lbs (3,701 kg)
Performance Details	
Bit Speed (No load rpm)	
Flow Range	400-1,000 gpm (1,514- 3,785 l/min)
Revolutions	0.160 rev/gal (0.042 rev/l)
Max Differential Pressure	1650 psi (11,376 kPa)
Max Torque	25,210 ft-lbs (34,180 Nm)
Stall Differential Pressure	2600 psi (17,92639700 kPa)
Stall Torque	39,700 ft-lbs (53,826 Nm)
Torque Slope	15.3 ft-lbs/psi (3.009 Nm/kPa)
Off-Bottom Pressure	180 psi (1,241 kPa)

Specifications	Tool Size - 9-5/8" (229 mm)
Hole Size	12-1/4" - 24" (305 mm - 610 mm)
Bit Box	6-5/8" & 7-5/8" REG
Mandrel Bore	3" (76 mm)
Maximum W.O.B. - Dynamic	160,000 lbs (71,172 daN)
Maximum W.O.B. - Static	430,000 lbs (191,274 daN)
Maximum Bit Overpull	600,000 lbs (266,893 daN)
Absolute Overpull	1,500,000 lbs (667,233 daN)
Bearing Section Torque Capacity	134,500 ft-lbs (182,357 Nm)
Bit to Bend Fixed	64-1/4" (1,632 mm)
Bit to Bend Adjustable	91-1/8" (2,311 mm)
U-Joint Torque Capacity	80,000 ft-lbs (108,465 Nm)
Float Type	5F - 6R

