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HORIZONTAL TECHNOLOGY of CANADA, INC.
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Downhole Drilling Motor 475 - 910 - 4.0

- 4-3/4" OD
- 9:10 Lobe
- 4.0 Stage
- Slow Speed
- High Torque

Flow Rate	*Rev/Gal
100 GPM	0.50
175 GPM	0.64
250 GPM	0.70

Motor Specifications	English	Metric
Model Number	475 - 910 - 4	
Rotor Lobes / Stator Lobes	9 / 10	
Number of Stages	4.0	
Outer Diameter	4-3/4 in	120 mm
Weight	1,100 lbs	499 kg
Length	20.5 ft	6.25 m
Full Load Bit Speed	70- 175 rpm	
Flow Rate	100 - 250 gpm	379 - 946 lpm
Peak Torque	5,000 ft-lbs	6,780 N-m
Peak Developed Power	125 hp	93 kw
Bit to Bend	46 in	1,168 mm
Full Load Differential Pressure	600 psi	4,140 kpa
Peak Torque Differential Pressure	800 psi	5,520 kpa
Maximum Bit Pressure Drop	1,500 psi	10,300 kpa
Maximum Weight on Bit	25,000 lbs	111 kN
Maximum Pull to-Run Motor	100,000 lbs	445 kN
Pull to Yield Motor	300,000 lbs	1,334 kN
Upper Box Connection	3-1/2 Reg 3-1/2 IF	
Lower Bit Box Connection	3-1/2 Reg	

475 - 910 - 4 BUILD RATE TABLE(Degrees / 100ft)

ABH SET ANGLE	SLICK BEARING HOUSING				STABILIZED BEARING HOUSING			
	HOLE SIZE				HOLE SIZE			
	6"	6-1/8"	6-3/4"	7-7/8"	6"	6-1/8"	6-3/4"	7-7/8"
0.31					3.31	3.54	4.69	6.74
0.62					6.37	6.60	7.74	9.78
0.93	2.40	1.59			9.44	9.66	10.80	12.81
1.22	5.74	4.93	.95		12.30	12.53	13.65	15.65
1.50	8.97	8.16	4.16		15.07	15.30	16.41	18.40
1.76	11.97	11.16	7.15	.25	17.64	17.87	18.97	20.95
2.00	14.74	13.92	9.91	2.99	20.02	20.24	21.34	23.30
2.23	17.39	16.57	12.55	5.62	22.29	22.51	23.60	25.55
2.42	19.58	18.76	14.74	7.79	24.17	24.39	25.48	27.41
2.60	21.66	20.84	16.81	9.85	25.95	26.17	27.25	29.18
2.74	23.27	22.45	18.42	11.45	27.33	27.55	28.63	30.55
2.85	24.54	23.72	19.68	12.71	28.42	28.64	29.71	31.63
2.93	25.47	24.64	20.60	13.62	29.21	29.43	30.50	32.41
2.98	26.04	25.22	21.17	14.20	29.71	29.92	31.00	32.90
3.00	26.27	25.45	21.40	14.43	29.91	30.12	31.19	33.10

