



Hydraulics Sales & Service

AUGER CALCULATIONS			0 DEG		0 DEG		
AUGER SCREW DIA	AUGER SPEED RPM	Cu M/ HOUR	TORQUE/ METRE	KW/ METRE	Cu M/ HOUR	TORQUE/ METRE	KW/ METRE
4 INCH	200.00	2.60	1.624	0.034	3.30	0.7710	0.0162
	300.00	3.90	1.624	0.051	4.94	0.7710	0.0242
	400.00	5.00	1.647	0.069	6.59	0.7710	0.0323
	500.00	5.90	1.643	0.086	8.23	0.7720	0.0404
	600.00	6.70	1.639	0.103	9.88	0.7720	0.0485
	700.00	7.40	1.637	0.120	11.53	0.7720	0.0566
	800.00	7.80	1.635	0.137	13.18	0.7720	0.0648
	900.00	8.20	1.666	0.157	14.82	0.7730	0.0729
	1000.00	8.30	1.662	0.174	16.46	0.7730	0.0809
	1200.00	8.60	1.655	0.208	19.75	0.7730	0.0972
6 INCH	200.00	8.30	5.253	0.110	11.11	2.6020	0.0545
	300.00	12.20	5.221	0.164	16.70	2.6030	0.0820
	400.00	17.10	5.133	0.215	22.22	2.6050	0.1091
	500.00	18.80	5.138	0.269	27.80	2.6060	0.1366
	600.00	21.00	5.109	0.321	33.35	2.6080	0.1639
	700.00	23.00	5.171	0.379	38.90	2.6090	0.1913
	800.00	24.10	5.109	0.428	44.44	2.6100	0.2187
	900.00	24.80	5.189	0.489	50.00	2.6120	0.2462
	1000.00	25.40	5.119	0.536	55.55	2.6130	0.2736
	8 INCH	200.00	26.10	12.988	0.272	26.35	6.1700
300.00		30.40	13.084	0.411	39.50	6.1740	0.1940
400.00		37.50	12.916	0.541	52.97	6.1790	0.2603
500.00		41.00	12.988	0.680	65.83	6.1830	0.3237
600.00		46.60	12.924	0.812	79.00	6.1870	0.3887
700.00		48.60	13.015	0.954	92.20	6.1910	0.4540
800.00		50.20	12.857	1.077	105.33	6.1960	0.5190
900.00		50.70	12.977	1.223	118.50	6.2000	0.5843
10 INCH		200.00	40.00	24.544	0.514	51.45	12.0550
	300.00	52.20	24.162	0.759	77.15	12.0660	0.3791
	400.00	66.40	23.947	1.003	102.86	12.0760	0.5058
	500.00	76.00	23.837	1.248	128.58	12.0860	0.6328
	600.00	82.60	23.764	1.493	154.30	12.0970	0.7601
	700.00	85.60	23.807	1.745	180.10	12.1070	0.8879
	800.00	90.70	23.660	1.982	205.72	12.1180	1.0151
	12 INCH	200.00	65.40	42.068	0.881	88.90	20.8390
300.00		94.20	42.087	1.322	133.31	20.8600	0.6553
400.00		114.50	41.471	1.737	177.75	20.8820	0.8747
500.00		127.10	42.058	2.202	222.20	20.9030	1.0945
600.00		138.30	42.068	2.643	266.62	20.9250	1.3147
700.00		145.40	42.402	3.108	311.05	20.9460	1.5353



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4 INCH	200.00	1.90	2.101	0.044	3.30	1.8600	0.0391
	300.00	2.70	2.101	0.066	4.94	1.8600	0.0585
	400.00	3.50	2.053	0.086	6.59	1.8610	0.0780
	500.00	4.20	2.063	0.108	8.23	1.8610	0.0974
	600.00	4.80	2.069	0.130	9.88	1.8610	0.1170
	700.00	5.30	2.033	0.149	11.53	1.8610	0.1366
	800.00	5.60	2.101	0.176	13.18	1.8620	0.1561
	900.00	5.90	2.080	0.196	14.82	1.9620	0.1756
	1000.00	6.10	2.101	0.220	16.46	1.8620	0.1950
	1200.00	6.40	1.910	0.240	19.75	1.8630	0.2341
6 INCH	200.00	6.30	7.354	0.154	11.11	6.2780	0.1315
	300.00	9.10	7.322	0.230	16.70	6.2800	0.1977
	400.00	11.50	7.306	0.306	22.22	6.2810	0.2631
	500.00	13.60	7.334	0.384	27.80	6.2820	0.3293
	600.00	14.90	7.003	0.440	33.35	6.2840	0.3951
	700.00	16.20	7.012	0.514	38.90	6.2850	0.4609
	800.00	17.00	7.330	0.614	44.44	6.2860	0.5267
	900.00	17.40	7.343	0.692	50.00	6.2880	0.5927
	1000.00	17.80	7.334	0.768	55.55	6.2890	0.7146
	8 INCH	200.00	13.90	16.569	0.347	26.35	14.8840
300.00		20.50	16.522	0.519	39.50	14.8880	0.4677
400.00		25.60	16.354	0.685	52.97	14.8930	0.6274
500.00		29.90	16.350	0.856	65.83	14.8970	0.7799
600.00		32.40	16.362	1.028	79.00	14.9010	0.9362
700.00		35.00	16.685	1.223	92.20	14.9050	1.0930
800.00		36.00	16.354	1.370	105.33	14.9100	1.2490
900.00		36.50	16.097	1.517	118.50	14.9140	1.2705
10 INCH		200.00	27.10	31.563	0.661	51.45	29.0750
	300.00	38.50	31.165	0.979	77.15	29.0850	0.9137
	400.00	46.10	31.252	1.309	102.86	29.0950	1.2187
	500.00	53.20	31.305	1.639	128.58	29.1060	1.5239
	600.00	57.30	31.547	1.982	154.30	29.1160	1.8294
	700.00	60.80	31.720	2.325	180.10	29.1270	2.1361
	800.00	61.80	30.083	2.520	205.72	29.1370	2.4408
	12 INCH	200.00	48.60	58.637	1.228	88.90	50.2480
300.00		68.40	58.669	1.843	133.31	50.2700	1.5792
400.00		82.10	58.422	2.447	177.75	50.2910	2.1065
500.00		91.20	58.427	3.059	222.20	50.3130	2.6344
600.00		97.30	58.812	3.695	266.62	50.3340	3.1624
700.00		101.30	58.760	4.307	311.05	50.3560	3.6910