

SIBERTURBINE Specification

Product code	Housing OD, in	Flex groove diameter of turbine section, in	Overall length, ft	Length to bend, ft	Bend angles	Weight, lbs	Diameter of bits used, in	Connection threads		Turbine stages type	Number of stages, pcs	Flow rate, gpm	No-load RPM	Stall torque, ft-lbs	Parameters at max power			WOB, lbf
								Bit box	Top sub						RPM	Max power, hp	Pressure drop, psi	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
High Speed Turbodrills																		
ST475HS.T1	4 13/16	N/A	26.7	N/A	N/A	1213	5 1/2 – 6 1/2	3 1/2 Reg	NC 38	T1-120	150	190–254	1855–2474	384 – 679	928 –1237	80	580 – 928	11023
ST475AHS.T1	4 13/16	N/A	26.7	5.2	0° – 2.5°	1213	5 1/2 – 6 1/2	3 1/2 Reg	NC 38	T1-120	150	190–254	1855–2474	384 – 679	928 –1237	80	580 – 928	11023
ST675HS.T5	7.0	6 3/4	23.3	N/A	N/A	2535	7 7/8 – 8 1/2	4 1/2 Reg	NC 50	T5 –178	97	444–602	1890–2565	1202 – 2213	945 –1283	273	783 – 1334	22046
ST675AHS.T5	7.0	6 3/4	27.2	7.2	0° – 2°	2734	7 7/8 – 8 1/2	4 1/2 Reg	NC 50	T5 –178	97	444–602	1890–2565	1202 – 2213	945 –1283	273	783 – 1334	22046
ST962AHS.TV2	9 1/2	N/A	34.8	9.2	0° – 3°	5809	10 5/8 – 15 1/2	6 5/8 Reg	6 5/8 FH	TV2 – 240	133	872–1030	1016–1200	3828 – 5347	508 – 600	310	725 – 957	55116
Gear Reduction Turbodrills																		
ST675GR.T2/T5	7 1/16	6 3/4	44.0	7.5	0° – 3°	6008	8 3/8 – 8 3/4	4 1/2 Reg	NC 50	T2/T5 –178	118/45	444–602	423–575	5428 – 9994	212 – 287	276	928 – 1523	44100
ST962GR.TS	9 1/2	N/A	42.0	10.6	0° – 3°	6713	10 5/8 – 15 1/2	6 5/8 Reg	6 5/8 FH	3TS1 – 240	109	634–1030	277–450	6144 – 16212	138 – 225	352	522 – 1160	55116

SIBERTURBINE Specification (metric)

Product code	Housing OD, mm	Flex groove diameter of turbine section, mm	Overall length, m	Length to bend, m	Bend angles	Weight, kg	Diameter of bits used, mm	Connection threads		Turbine stages type	Number of stages, pcs	Flow rate, lpm	No-load RPM	Stall torque, kNm	Parameters at max power			WOB, ton
								Bit box	Top sub						RPM	Max power, kWt	Pressure drop, Bar	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
High Speed Turbodrills																		
ST475HS.T1	122	N/A	8.14	N/A	N/A	550	139.7 – 165.1	3 1/2 Reg	NC 38	T1 – 120	150	720 – 960	1855– 2474	0.52 – 0.92	928 –1237	59	40 – 64	5
ST475AHS.T1	122	N/A	8.14	1.58	0° – 2.5°	550	139.7 – 165.1	3 1/2 Reg	NC 38	T1 – 120	150	720 – 960	1855– 2474	0.52 – 0.92	928 –1237	59	40 – 64	5
ST675HS.T5	178	172	7.1	N/A	N/A	1150	200.3 – 215.9	4 1/2 Reg	NC 50	T5 – 178	97	1680 – 2280	1890– 2565	1.63 – 3.0	945 –1283	201	54 – 92	10
ST675AHS.T5	178	172	8.3	2.18	0° – 2°	1240	200.3 – 215.9	4 1/2 Reg	NC 50	T5 – 178	97	1680 – 2280	1890– 2565	1.63 – 3.0	945 –1283	201	54 – 92	10
ST962AHS.TV2	240	N/A	10.6	2.8	0° – 3°	2635	269.9 – 393.7	6 5/8 Reg	6 5/8 FH	TV2 – 240	133	3300 – 3900	1016– 1200	5.19 – 7.25	508 – 600	228	50 – 66	25
Gear Reduction Turbodrills																		
ST675GR.T2/T5	180	172	13.4	2.3	0° – 3°	2725	212.7 – 222.3	4 1/2 Reg	NC 50	T2/T5-178	118/45	1680 – 2280	423– 575	7.36 – 13.55	212 – 287	203	64 – 105	20
ST962GR.TS	240	N/A	12.8	3.2	0° – 3°	3045	269.9 – 393.7	6 5/8 Reg	6 5/8 FH	3TS1-240	109	2400 – 3900	277– 450	8.33 – 21.98	138 – 225	259	36 – 80	25