



## Tool Model: HY-AVANTI 35 Pressure/Torque Conversion Chart

PRESSURE IN: PSI	TORQUE IN:			PRESSURE IN: BAR
	ft-lbs	KGM	NM	
1500	4955	685	6717	104
1600	5285	731	7165	110
1800	5946	822	8061	124
2000	6607	914	8956	138
2200	7285	1007	9875	152
2400	7962	1101	10794	165
2600	8640	1195	11712	179
2800	9317	1289	12631	193
3000	9995	1382	13549	207
3200	10683	1477	14482	220
3400	11371	1573	15415	234
3600	12059	1668	16347	248
3800	12747	1763	17280	262
4000	13435	1858	18212	276
4200	14114	1952	19132	290
4400	14792	2046	20052	303
4600	15471	2140	20975	317
4800	16149	2233	21892	331
5000	16828	2327	22812	345
5200	17534	2425	23769	358
5400	18240	2523	24726	372
5600	18946	2620	25683	386
5800	19652	2718	26640	400
6000	20358	2816	27597	414
6200	21045	2911	28529	427
6400	21733	3006	29461	441
6600	22420	3101	30393	455
6800	23108	3196	31325	468
7000	23795	3291	32257	482
7200	24465	3384	33165	496
7400	25136	3476	34074	510
7600	25806	3569	34983	524
7800	26477	3662	35892	538
8000	27147	3754	36800	552
8200	27860	3853	37766	565
8400	28572	3952	38732	579
8600	29285	4050	39698	593
8800	29997	4149	40664	607
9000	30710	4247	41630	620
9200	31380	4340	42539	634
9400	32050	4433	43447	648
9600	32720	4525	44355	662
9800	33390	4618	45263	676
10000	34060	4710	46172	690

## Important Safety Instructions

**WARNING:** Your **HYTORC TORQUE MACHINE** is a power tool, and as with any power tool, certain safety precautions should be observed to avoid accidents or personal injury. The following tips will assist you.

- **READ ALL INSTRUCTIONS.**
- **KEEP WORK AREA CLEAN AND WELL LIT.**
- **CONSIDER WORK AREA ENVIRONMENT.** Electrical Pumps should never be used in any atmosphere which can be considered potentially volatile. If there is any doubt, use an air pump. Also Note: metal to metal contact can cause sparks, precautions should be taken.
- **AVOID PREMATURE TOOL STARTING.** The Pump Remote Control is for the TOOL OPERATOR only.
- **STAY CLEAR DURING OPERATION.** In most cases, the tool will allow “hands free” operation. If the tool must be held or steadied during operation, use alternative means of securing the tool to the application.
- **GUARD AGAINST ELECTRIC SHOCK.** Ensure the pump is properly grounded and the proper voltage is being used.
- **STORE IDLE TOOLS.** When not in use, tools and accessories should be properly stored to avoid deterioration.
- **USE RIGHT TOOL.** Don't force small tools or attachments to do the job of a larger tool. Don't use tool for purposes not intended.
- **PROPER SAFETY ATTIRE.** When handling/operating hydraulic equipment, use work gloves, hard hats, safety shoes and other applicable clothing.
- **USE SAFETY GLASSES.**
- **Moving equipment.** Do not use hydraulic hoses, uniswivels, pump power or remote cords as means of moving the equipment.
- **MAINTAIN TOOLS WITH CARE.** For top performance, inspect tool, powerpack and accessories for visual damage frequently and always prior to use. Always follow instructions for proper tool and pump maintenance. Refer to the Operations maintenance Section for further clarification.
- **STAY ALERT.** Watch what you are doing. Use common sense. Do not use power equipment under the influence of any mood altering substances.
- **PRIOR TO OPERATION.**  
Ensure that all hydraulic connections are securely connected and there is no leakage.  
Verify that the hydraulic hoses are not kinked or otherwise damaged.  
Insure the square drive and its retainer is fully and securely engaged.  
Ascertain that all connectors, elbows, fittings and swivels are not bent, loose or damaged.
- **PRIOR TO USE.**  
Check Sockets for size, quality and flaws. (Do not use if question able.)  
Cycle tool to ensure proper function.  
Locate a solid, secure reaction point.  
Be sure the reaction arm retaining clamp is fully engaged.  
Be sure the hydraulic hoses are free of the reaction point.  
Pressurize the system momentarily if the tool tends to “ride up” or to “creep”, stop and re-adjust the reaction arm to a more solid and secure position.  
  
NOTE: Remain clear of the reaction arm during operation and never put body parts between reaction arm and reaction surface.
- **ALWAYS USE QUALITY ACCESSORIES.** Always use top quality impact sockets in good condition which are the correct size and fully engage the nut. Hidden flaws, however, remain a possibility which could cause break, so stay clear of sockets during operation.
- **DO NOT USE** other equipment to enhance performance. (Hammer on Socket/Tool)
- **NOTE:** HYTORC Pumps are designed to operate HYTORC Tools only. Damage may occur to the pump or product that is being operated due to misuse.

**SAVE THESE INSTURCTIONS FOR FUTURE USE!**