HYTORC

TOOL MODEL: AVANTI 35

PRESSURE/TORQUE CONVERSION CHART

Standard Torque Chart

PRESSURE IN PSI	TORQUE IN FT.LBS.	TORQUE IN KGM	TORQUE IN NM	PRESSURE IN BAR
1500	4905	678	6649	104
1600	5242	725	7106	110
1800	5916	818	8020	124
2000	6590	911	8933	138
2200	7254	1003	9834	152
2400	7918	1095	10734	165
2600	8582	1187	11634	179
2800	9246	1279	12534	193
3000	9910	1371	13434	207
3200	10562	1461	14318	220
3400	11214	1551	15202	234
3600	11866	1641	16086	248
3800	12518	1731	16969	262
4000	13170	1821	17853	276
4200	13814	1910	18726	290
4400	14458	2000	19599	303
4600	15102	2089	20472	317
4800	15746	2178	21345	331
5000	16390	2267	22218	345
5200	17012	2353	23061	358
5400	17634	2439	23905	372
5600	18256	2525	24748	386
5800	18878	2611	25591	400
6000	19500	2697	26434	414
6200	20127	2784	27284	427
6400	20754	2870	28134	441
6600	21381	2957	28984	455
6800	22008	3044	29834	468
7000	22635	3130	30684	482
7200	23234	3213	31496	496
7400	23833	3296	32308	510
7600	24432	3379	33120	524
7800	25031	3462	33932	538
8000	25630	3545	34744	552
8200	26254	3631	35590	565
8400	26878	3717	36436	579
8600	27502	3804	37282	593
8800	28126	3890	38128	607
9000	28750	3976	38974	620
9200	29366	4061	39809	634
9400	29982	4147	40644	648
9600	30598	4232	41479	662
9800	31214	4317	42314	676
10000	31830	4402	43149	690

* ISO DOCUMENT 9000

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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 INSTUCTIONS.**
- **KEEP WORK AREA CLEAN AND WELL LIT.**
- **CONSIDER WORK AREA ENVIRONMENT.**Electrical Pumps should never be used in an 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 AGAINS ELECTRIC SHOCK.** Ensure the pump is properly grounded and the proper voltage is being used
- **STORE IDLE TOOLS.** When not in use, tool sand 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 a 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, uni-swivels, pump power or remote cords as means of moving the equipment.
- **MAINTAIN TOOLS WITH CARE.** For top performance, inspect tools, powerpack and accessories for visual damage frequently and always prior to use. Always follow instruction 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.
    - Ensure the square drive and its retainer are fully and securely engaged.
    - Be certain that all connectors, elbows, fitting and swivels are not bent, loose or damaged.
- **PRIOR TO USE.**
    - Check sockets for size, quality and flaws. (Do not use if questionable)
    - 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 andsecure position.

  NOTE: Remain clear of the reaction arm during operation and never put body parts between reaction arm and reaction surfaces.
- **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 breakage, so stay clear of sockets during operation
- **DO NOR 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 the product that is being operated due to misuse.

SAVE THESE INSTRUCTIONS FOR FUTURE USE!