HYTORC

TOOL MODEL: HY-45XLCT

PRESSURE/TORQUE CONVERSION CHART

Standard Torque Chart

PRESSURE IN PSI	TORQUE IN FT.LBS.	TORQUE IN KGM	TORQUE IN NM	PRESSURE IN BAR
1500	7130	986	9665	104
1600	7642	1057	10359	110
1800	8666	1199	11748	124
2000	9690	1340	13136	138
2200	10702	1480	14508	152
2400	11714	1620	15879	165
2600	12726	1760	17251	179
2800	13738	1900	18623	193
3000	14750	2040	19995	207
3200	15741	2177	21338	220
3400	16732	2314	22682	234
3600	17723	2451	24025	248
3800	18714	2588	25369	262
4000	19705	2725	26712	276
4200	20692	2862	28050	290
4400	21679	2998	29388	303
4600	22666	3135	30726	317
4800	23653	3271	32064	331
5000	24640	3408	33402	345
5200	25646	3547	34766	358
5400	26652	3686	36129	372
5600	27658	3825	37493	386
5800	28664	3964	38857	400
6000	29670	4103	40221	414
6200	30606	4233	41489	427
6400	31542	4362	42758	441
6600	32478	4492	44027	455
6800	33414	4621	45296	468
7000	34350	4751	46565	482
7200	35349	4889	47919	496
7400	36348	5027	49273	510
7600	37347	5165	50628	524
7800	38346	5303	51982	538
8000	39345	5441	53336	552
8200	40328	5577	54669	565
8400	41311	5713	56001	579
8600	42294	5849	57334	593
8800	43277	5985	58666	607
9000	44260	6121	59999	620
9200	45244	6257	61333	634
9400	46228	6393	62667	648
9600	47212	6529	64001	662
9800	48196	6666	65334	676
10000	49180	6802	66668	690

* ISO DOCUMENT 9000

REV. 06/03

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!