HYTORC

TOOL MODEL: HY-18XLCT

PRESSURE/TORQUE CONVERSION CHART

Standard Torque Chart

PRESSURE IN PSI	TORQUE IN FT.LBS.	TORQUE IN KGM	TORQUE IN NM	PRESSURE IN BAR
1500	2790	386	3782	104
1600	2988	413	4051	110
1800	3384	468	4587	124
2000	3780	523	5124	138
2200	4172	577	5656	152
2400	4564	631	6187	165
2600	4956	685	6718	179
2800	5348	740	7250	193
3000	5740	794	7781	207
3200	6126	847	8304	220
3400	6512	901	8828	234
3600	6898	954	9351	248
3800	7284	1007	9874	262
4000	7670	1061	10397	276
4200	8058	1114	10923	290
4400	8446	1168	11449	303
4600	8834	1222	11975	317
4800	9222	1275	12501	331
5000	9610	1329	13027	345
5200	9990	1382	13542	358
5400	10370	1434	14058	372
5600	10750	1487	14573	386
5800	11130	1539	15088	400
6000	11510	1592	15603	414
6200	11892	1645	16121	427
6400	12274	1697	16639	441
6600	12656	1750	17156	455
6800	13038	1803	17674	468
7000	13420	1856	18192	482
7200	13804	1909	18713	496
7400	14188	1962	19233	510
7600	14572	2015	19754	524
7800	14956	2068	20274	538
8000	15340	2122	20795	552
8200	15710	2173	21296	565
8400	16080	2224	21798	579
8600	16450	2275	22300	593
8800	16820	2326	22801	607
9000	17190	2377	23303	620
9200	17572	2430	23821	634
9400	17954	2483	24338	648
9600	18336	2536	24856	662
9800	18718	2589	25374	676
10000	19100	2642	25892	690

* ISO DOCUMENT 9000

REV. 02/2009

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!