HYTORC

TOOL MODEL: HY-2XLCT

PRESSURE/TORQUE CONVERSION CHART

Standard Torque Chart

PRESSURE IN PSI	TORQUE IN FT.LBS.	TORQUE IN KGM	TORQUE IN NM	PRESSURE IN BAR
1500	243	34	329	104
1600	259	36	352	110
1800	292	40	396	124
2000	325	45	441	138
2200	359	50	486	152
2400	392	54	532	165
2600	426	59	577	179
2800	459	64	623	193
3000	493	68	668	207
3200	526	73	713	220
3400	559	77	757	234
3600	591	82	802	248
3800	624	86	846	262
4000	657	91	891	276
4200	691	96	937	290
4400	726	100	984	303
4600	760	105	1031	317
4800	795	110	1077	331
5000	829	115	1124	345
5200	863	119	1170	358
5400	897	124	1216	372
5600	931	129	1262	386
5800	965	133	1308	400
6000	999	138	1354	414
6200	1033	143	1401	427
6400	1067	148	1447	441
6600	1102	152	1493	455
6800	1136	157	1540	468
7000	1170	162	1586	482
7200	1204	167	1633	496
7400	1239	171	1679	510
7600	1273	176	1726	524
7800	1308	181	1773	538
8000	1342	186	1819	552
8200	1377	190	1866	565
8400	1412	195	1914	579
8600	1446	200	1961	593
8800	1481	205	2008	607
9000	1516	210	2055	620
9200	1550	214	2101	634
9400	1584	219	2148	648
9600	1619	224	2194	662
9800	1653	229	2241	676
10000	1687	233	2287	690

* ISO DOCUMENT 9000

REV. 07/03

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!