HYTORC

TOOL MODEL: HY-30XLCT

PRESSURE/TORQUE CONVERSION CHART

Standard Torque Chart

PRESSURE IN PSI	TORQUE IN FT.LBS.	TORQUE IN KGM	TORQUE IN NM	PRESSURE IN BAR
1500	4579	633	6207	104
1600	4890	676	6629	110
1800	5513	762	7473	124
2000	6135	848	8317	138
2200	6759	935	9163	152
2400	7383	1021	10009	165
2600	8008	1107	10855	179
2800	8632	1194	11701	193
3000	9256	1280	12547	207
3200	9881	1367	13395	220
3400	10506	1453	14242	234
3600	11132	1540	15090	248
3800	11757	1626	15938	262
4000	12382	1712	16785	276
4200	13001	1798	17624	290
4400	13620	1884	18463	303
4600	14239	1969	19302	317
4800	14858	2055	20142	331
5000	15477	2140	20981	345
5200	16105	2227	21832	358
5400	16733	2314	22683	372
5600	17361	2401	23535	386
5800	17989	2488	24386	400
6000	18617	2575	25237	414
6200	19230	2660	26068	427
6400	19843	2744	26899	441
6600	20456	2829	27730	455
6800	21069	2914	28561	468
7000	21682	2999	29392	482
7200	22299	3084	30228	496
7400	22916	3169	31064	510
7600	23532	3255	31901	524
7800	24149	3340	32737	538
8000	24766	3425	33573	552
8200	25408	3514	34443	565
8400	26050	3603	35313	579
8600	26692	3692	36184	593
8800	27334	3780	37054	607
9000	27976	3869	37924	620
9200	28578	3952	38740	634
9400	29180	4036	39556	648
9600	29782	4119	40372	662
9800	30384	4202	41189	676
10000	30986	4285	42005	690

* ISO DOCUMENT 9000

REV. 9/8/2006

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!