



<b>Service Note</b>		<b>N0203019</b>
		<b>2002-09</b>

**Subject:** Specifications on Hydraulic Pumps/Wheel Motors Used on Commercial Mowing Products

**Service Information:**

To answer continuing questions from the field about this information, the following applications and component specifications are being released for your sales/government bid, and technical service use.

**HYDRO-GEAR® HYDRAULIC PUMPS**

BDP-10L Pumps are used on early Hydro Walk's, all Mini ZTH's, and on all Gen I Mowers.  
BDP-10A Pumps are used on WH & WHF "ETS" Hydro Walk's and on iZ and Gen II Mowers.

Note: Specifications shown are the same for both pump applications.

<b>PUMP DISPLACEMENT</b>	<b>0.62 in<sup>3</sup>/rev</b>	<b>CASE PRESSURE</b>	
<b>INPUT SPEED</b>		Max. @ Cold Start	<b>10 psi</b>
Maximum Unloaded	<b>3600 rpm</b>	Continuous - Max.	<b>4 psi</b>
Minimum Loaded	<b>1800 rpm</b>	<b>CHARGE PUMP DISPLACEMENT</b>	<b>0.11 in<sup>3</sup>/rev</b>
<b>SYSTEM PRESSURE</b>		<b>AUX. PUMP DISPLACEMENT</b>	<b>0.19 in<sup>3</sup>/rev</b>
Continuous	<b>1000 psi</b>	<b>AUX. PUMP RELIEF SETTING</b>	<b>650 psi</b>
Intermittent	<b>2100 psi</b>	<b>PUMP OIL TEMPERATURE</b>	
Peak	<b>3500 psi</b>	Max. Intermittent (hottest point)	<b>230 °f</b>
<b>PERFORMANCE</b>		Normal Operating Range	<b>-10 to 200 °f</b>
@ 2400 rpm/1000 psi	<b>6.1 gpm</b>	<b>FILTRATION REQUIREMENT</b>	<b>25 micron</b>
@ 3000 rpm/1000 psi	<b>7.6 gpm</b>		
@ 3600 rpm/1000 psi	<b>9.2 gpm</b>		

**PARKER® WHEEL MOTORS**

TE Series 0230 Motors are used on all Hydro Walk Behind, all Mini ZTH's, and on all Gen I Mowers.  
TF series 0240 Motors are used on iZ and Gen II Mowers.

<b>TE Series 0230</b>	
<b>MOTOR DISPLACEMENT</b>	<b>228 in<sup>3</sup>/rev</b>
<b>SPEED</b>	
Max. Speed @ Max. Continuous Flow	<b>247 rpm</b>
<b>PRESSURE DIFFERENTIAL</b>	
Max. Continuous	<b>1750 psid</b>
Max. Intermittent	<b>2400 psid</b>
<b>MAXIMUM TORQUE</b>	
Continuous Pressure	<b>3277 lb-in</b>
Intermittent Pressure	<b>4554 lb-in</b>

<b>TF Series 0240</b>	
<b>MOTOR DISPLACEMENT</b>	<b>238 in<sup>3</sup>/rev</b>
<b>SPEED</b>	
Max. Speed @ Max. Continuous Flow	<b>315 rpm</b>
<b>PRESSURE DIFFERENTIAL</b>	
Max. Continuous	<b>2000 psid</b>
Max. Intermittent	<b>3000 psid</b>
<b>MAXIMUM TORQUE</b>	
Continuous Pressure	<b>4036 lb-in</b>
Intermittent Pressure	<b>6101 lb-in</b>