The HTE Series

The HTE Series transmission is the ideal choice for lighter machine applications such as residential "estate" or entry commercial operator mowers. It matches the proven Parker 10cc pump with six sizes of the rugged, field-proven TE tangents for the most effective integrated transmission available in its class.

Motor Displacement (cc/rev) 150 155 160 200 240 290 350
Pump Displacement (cc) 150 155 160 200 240 290 350
Continuous Output Torque Rating (lb-in) 325 330 335 385 435 505 575
Minimum Starting Torque (lb-in) 260 265 270 320 370 430 500
Maximum Output Torque (lb-in) 325 330 335 385 435 505 575
Output Speed* (rpm) 2900 2930 3100 3700 4300 5000 5700

HTE Series

Motor Displacement (cc/rev) 150 155 160 200 240 290 350
Pump Displacement (cc) 150 155 160 200 240 290 350
Continuous Output Torque Rating (lb-in) 325 330 335 385 435 505 575
Minimum Starting Torque (lb-in) 260 265 270 320 370 430 500
Maximum Output Torque (lb-in) 325 330 335 385 435 505 575
Output Speed* (rpm) 2900 2930 3100 3700 4300 5000 5700

HTG Series

The HTG Series transmission now comes with a choice of a 10cc or 12cc pump, providing design flexibility for expanded market applications. The HTG Series transmission is similar to the HTE transmission, except it integrates with the field-proven T Series Torqmotor with a larger 1 ¼ inch output shaft (versus 1 inch), a higher capacity bearing for greater side loads capability, and a heavy duty motor drive train for higher torque, heavier machine weight capacity, and higher speeds.

Motor Displacement (cc/rev) 150 155 160 200 240 290 350
Pump Displacement (cc) 150 155 160 200 240 290 350
Continuous Output Torque Rating (lb-in) 325 330 335 385 435 505 575
Minimum Starting Torque (lb-in) 260 265 270 320 370 430 500
Maximum Output Torque (lb-in) 325 330 335 385 435 505 575
Output Speed* (rpm) 2900 2930 3100 3700 4300 5000 5700

HTG Series

Motor Displacement (cc/rev) [40] 150 155 160 200 240 290 350
Pump Displacement (cc) [40] 150 155 160 200 240 290 350
Continuous Output Torque Rating (lb-in) [40] 325 330 335 385 435 505 575
Minimum Starting Torque (lb-in) [40] 260 265 270 320 370 430 500
Maximum Output Torque (lb-in) [40] 325 330 335 385 435 505 575
Output Speed* (rpm) [40] 2900 2930 3100 3700 4300 5000 5700

Integrated Hydrostatic Transmissions

HTE, HTJ and HTG Series

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Parker Hydraulics International Sales Offices

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More propulsion choices for broader market applications.

Parker Hydraulics International Sales Offices
HTE, HTJ and HTG Series

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Integrated Hydrostatic Transmissions

HTE, HTJ and HTG Series

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Parker Hydraulics International Sales Offices

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More propulsion choices for broader market applications.
Parker HT Series Hydraulics Transmissions: more power options, wider market applications.

**OEM Benefits**

- Common four bolt mounting across the product range
- More scalability across product platforms
- Reduced components for simplified installation
- Reduced assembly labor costs
- Reduced inventory and material costs
- Increased owner satisfaction

**Owner Benefits**

- More joy to the deck, reducing selection costs, increased revenue per project
- Lower fuel cost, up to 25% in lab tests
- Longer fluid change intervals, up to 1000 hours*
- Better durability, longer life cycle means less downtime, decreased expense, improved reliability

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**Rugged power and high efficiency is in the DNA.**

The heart of the HT Series Integrated Hydraulic Transmission is the world class Parker Torqmotor coupled to a high performance Parker variable displacement pump. Parker Torqmotors and pumps have earned a worldwide reputation as a gold standard in hydraulic power transmission. Parker drive systems have been propelling the turf industry since the introduction of zero turn radius mowers, demonstrating market leading durability and efficiency. Laboratory tests show the HT Series transmission achieves up to a 25% efficiency gain over competing power systems.

**More Power to the Deck**

No gearbox

Gearedless power from the machine and see a source of fluid contamination. Eliminating the gearbox means:

- Higher starting torque
- Higher efficiency
- Smooth, quiet operation
- Fewer internal moving parts
- No gear wear or debris in hydraulic fluid

**HT Series Transmissions**

HT Series transmissions provide more power to the deck, for faster, higher quality, cuts in tough terrain. The HT Series puts more torque and more power on the ground. The HT Series transmissions need less energy to power a machine, leaving more power for work. High operating efficiency pays off with less heat and more power available to do work.

Less heat into the fluid means a cooler running transmission, which extends fluid life. When using Parker engineered hydraulic fluid in the HT Series, the fluid temperature change can be as long as 1000 hours*, significantly greater than the competition. Direct porting between the pump and motor yields greatly enhanced operating efficiency. Cooler, speeder design means less heat into the hydraulic oil, which translates into less maintenance, and lower downtime.

**Wasted Energy = Heat**

Wasting more money on fuel is a very important operation.

Heat is a source of fluid contamination. Eliminating the gearbox means:

- Higher starting torque
- Higher efficiency
- Smooth, quiet operation
- Fewer internal moving parts
- No gear wear or debris in hydraulic fluid

Lab tests suggest 25% fuel savings over comparable competitive power systems. Parker fuel consumption lab tests of two identical machines, one with HT Series transmissions, the other with a competitive drive system, revealed that the HT Series outfitted machine ran 25% longer under the same loading conditions. Of course, real world experiences vary. But, if you're paying for fuel, and fuel prices are expected to hit all-time highs, we can strongly recommend the potential fuel savings that come with a machine powered by Parker’s HT Series transmissions.

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**Parker HT Series Hydraulic Transmissions**

- **Engineered for the HT Series, optimized performance, lower fuel cost.**
- **Engineered for the HT Series, optimized performance, lower fuel cost.**
- **Engineered for the HT Series, optimized performance, lower fuel cost.**

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**Integrated design means lower manufacturing costs and greater manufacturing efficiencies**

Turf equipment manufacturers have the choice between traditional hydraulic power systems and integrated “one piece” systems.

**Before:** Dosens of parts comprised of separate pumps, motors, tubes, hoses, fittings, filters, reservoirs & assembly labor

**After:** Two transmissions, eight bolts and minimal installation labor

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**Specifications and Options**

<table>
<thead>
<tr>
<th>HT Series</th>
<th>HTD Series</th>
<th>HTG Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pump Size</strong> (each)</td>
<td>13</td>
<td>12.5</td>
</tr>
<tr>
<td><strong>Motor Size (inch)</strong></td>
<td>100, 105.1/30</td>
<td>105, 105.1/30</td>
</tr>
<tr>
<td><strong>Weight (including hydraulic fluid)</strong></td>
<td>1800 lbs</td>
<td>2000 lbs</td>
</tr>
<tr>
<td><strong>Gross Weight</strong></td>
<td>3500 lbs</td>
<td>3500 lbs</td>
</tr>
<tr>
<td><strong>Maximum Tire Size</strong></td>
<td>26 inch</td>
<td>26 inch</td>
</tr>
<tr>
<td><strong>Maximum Output Speed</strong></td>
<td>1099 rpm</td>
<td>1099 rpm</td>
</tr>
<tr>
<td><strong>Air Torque</strong></td>
<td>Up to 800 lb-ft</td>
<td>Up to 800 lb-ft</td>
</tr>
<tr>
<td><strong>Pulley Sizes</strong></td>
<td>8 inch</td>
<td>8 inch</td>
</tr>
<tr>
<td><strong>Pulley Height from Axle Centerline</strong></td>
<td>2.0 inch</td>
<td>2.0 inch</td>
</tr>
<tr>
<td><strong>Pulley Input Speed</strong></td>
<td>3800 rpm maximum</td>
<td>3800 rpm maximum</td>
</tr>
<tr>
<td><strong>Reservoir</strong></td>
<td>Integral 1.5 gal</td>
<td>Integral 1.5 gal</td>
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<tr>
<td><strong>Change Pumps</strong></td>
<td>Integral</td>
<td>Integral</td>
</tr>
<tr>
<td><strong>Parking Brakes</strong></td>
<td>Drum brake standard</td>
<td>Drum brake standard</td>
</tr>
<tr>
<td><strong>Parking Brake Holding Torque Capacity</strong></td>
<td>4000 lbs in per side</td>
<td>4000 lbs in per side</td>
</tr>
<tr>
<td><strong>Hub</strong></td>
<td>4 bolt or 5 bolt</td>
<td>4 bolt or 5 bolt</td>
</tr>
<tr>
<td><strong>Expansion Tank</strong></td>
<td>Integral</td>
<td>Integral</td>
</tr>
<tr>
<td><strong>Shock Absorber</strong></td>
<td>Optional</td>
<td>Optional</td>
</tr>
</tbody>
</table>

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**Common four bolt mounting across HTD, HTJ and HTG Series**

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**Additional Information**

- **When used with approved hydraulic fluid.**
- **No gear wear or debris in hydraulic fluid which is known to the State of California to cause cancer.**
- **This product can expose you to chemicals including lead which is known to the State of California to cause cancer and reproductive harm.**
- **For more information go to www.P65Warnings.ca.gov.**

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**WARNING**

4 bolt and 5 bolt hydraulic fluid is specified.