

## New, Enhanced HTJ10 & HTJ12 Series Hydrostatic Transmissions

Expanded Propulsion and Drive Options

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



ENGINEERING YOUR SUCCESS.

# Market Application: Smaller Commercial Machines, Large Estate Owners, Heavy Duty/Professional Walk-Behinds

Motor Displacement (cc/rev)	New, more propulsion options											
	130		165		195		228		260		293	
Pump Displacement (cc)	10	12	10	12	10	12	10	12	10	12	10	12
Continuous Output Torque Rating (lb-in)	1580	1823	1980	2285	2415	2787	2710	3127	3140	3623	3560	4108
Minimum Starting Torque (lb-in)	2420	2792	2990	3450	3635	4194	3635	4194	3975	4587	3940	4546
Maximum Output Torque Rating (lb-in)	3115	3594	3845	4437	4675	5394	4555	5256	4870	5619	5180	5977
Output Speed* (rpm)	265	303	212	241	177	202	152	173	133	151	118	134

\*At 3600 rpm input speed/no-load condition.



## HTJ Series

The HTJ Series transmission now comes with a choice of a 10cc or 12cc pump, providing design flexibility for expanded market applications. The HTJ Series transmission is similar to the HTE transmission, except it integrates with the field-proven TJ Series Torqmotor™ with a larger 1¼ 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 weight machine capability, and higher speeds.

## More Options to Match Market Segments

- Larger machines: larger shaft and bearings
- Longer life: robust Parker TF Torqmotor™ drive train
- Faster vehicle speeds: 10cc and 12cc pump displacement options
- Higher output torque: higher capacity drive train
- More power density: 25% increase in torque capacity
- Smoother, quicker operator response
- Hydraulic power, no gear box
- Common mount for all HT series transmissions for greater OEM efficiency and design flexibility

## Transmission Overview

- High efficiency, more durable
- Zero turn mowers, commercial walk behinds
- Total weight <2000 lbs GWW
- Tire sizes up to 24 inch diameter
- Speed up to 14 MPH
- Warranty up to 1500 hours\*
- Oil and filter changes up to 1000 hours
- Robust brake option
- No expansion tank, hoses, fittings
- Larger shaft size

\* Warranty dependent on target vehicle weight, tire size and speed.

## Hydraulic Propulsion

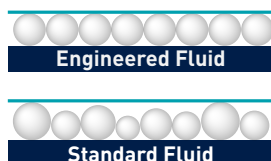
- Smoother, faster response for enhanced operator controllability
- No power robbing gear box, no foreign material in hydraulic fluid
- Cooler operation for longer life, operator comfort, less oil waste
- Optimal maintenance of blade speed for superior cut quality

## Higher Power Density

- Saves space, installation time
- Integral reservoir and filter reduces parts inventory and assembly labor
- Integral pre-adjusted drum brake for reduced assembly labor

## All HTJ Series Transmissions include factory-fill HT-1000 Oil

HTJ Series transmissions are factory filled with Parker HT-1000 Engineered Transmission fluid for optimized performance and maximum protection, lower operating temperature for longer life, greener operation and operator comfort.



- Engineered for low maintenance — 1,000 hour oil means reduced cost for oil changes, reduced labor cost, increased machine up-time and reduced oil disposal expense
- Higher temperature and water moisture tolerant
- Engineered for the HT Series, optimizes performance, lowers fuel cost
- Protects against user neglect
- Cooler operations: lower operating temperatures, longer machine life and more operator comfort