



Integrated Hydrostatic Transmissions

HTE, HTJ and HTG Series

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



ENGINEERING YOUR SUCCESS.

Parker HT Series Hydrostatic Transmissions

Proven durability, efficiency and rugged performance for all segments of the turf care market.

The Next Generation

The HTG Hydrostatic Transmission has been hard at work in the commercial turf industry for years. The new HT series brings that efficiency and durability to the smaller commercial and estate turf care markets.

Field Proven Durability

The HT Series inherits the field proven ruggedness and durability of the industry gold standard, the Parker Torqmotor™ (the world-class motor that has been hard at work in the turf market for more than 40 years) and Parker's closed loop piston pump.

Integrated, Efficient Design

Integrated design greatly reduces manufacturing assembly and extra inventory. With the built-in fluid reservoir and filter, most external hoses and fittings are eliminated. Direct porting between pump and motor increases efficiency.

High Efficiency Performance

Parker transmissions perform at up to 10% higher overall efficiency versus competitors. This means more horsepower to the deck and more hill-climbing capability in tough mowing.

www.ParkerHT.com



Spec a Parker HT Series and you get the following:

Proven Durability

The heart of the HT Series Transmission is Parker's world-class Torqmotor, the industry-standard for turf machines.

More Power to the Deck Means Faster Cutting

More power to the deck allows a faster, high-quality cut whether on flat ground or hilly terrain. Parker puts more torque and more power on the ground, where it's needed.



No Gearbox

Gearboxes rob power from the machine and are a source of fluid contamination. Parker's Torqmotor eliminates the need for a gearbox.

- Higher efficiency
- Smooth, quiet operation
- Fewer parts
- No gear wear or debris
- Higher starting torque

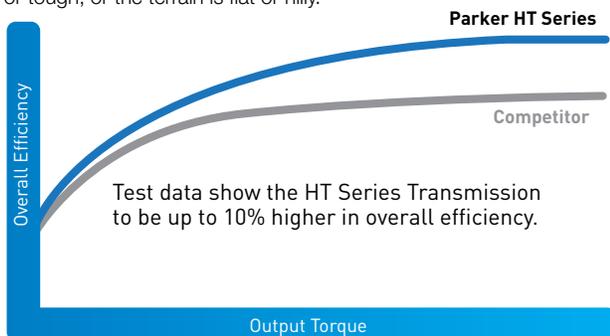


Selection

In the HTE transmission, manufacturers can match a 10cc pump with a 130cc, 165cc, 195cc, 230cc, 260cc, or 295cc motor for the optimum speed and torque combination. In the HTG transmission, manufacturers can match a 14cc pump or a 16cc pump with their choice of a 240cc, 280cc or 310cc motor, again for the optimum speed and torque combination.

More Power to the Deck

Better overall efficiency means more horsepower to the deck. This translates to a fast, high quality cut, whether the turf is easy or tough, or the terrain is flat or hilly.



Compact

The HT Series transmission is the most power-dense transmission available to commercial turf applications.

High Operating Efficiency Pays Off

Higher overall efficiency means more power available to the deck and less heat into the oil.

Less Heat Into the Hydraulic Fluid

Less heat into the fluid means a cooler running transmission, which extends fluid life and increases transmission life. The HT Series "Goes Green" because it requires far fewer fluid and filter changes. In fact, the oil change interval can be as long as 1,000 hours,* significantly greater than the competition. Productivity goes up, and costs go down.



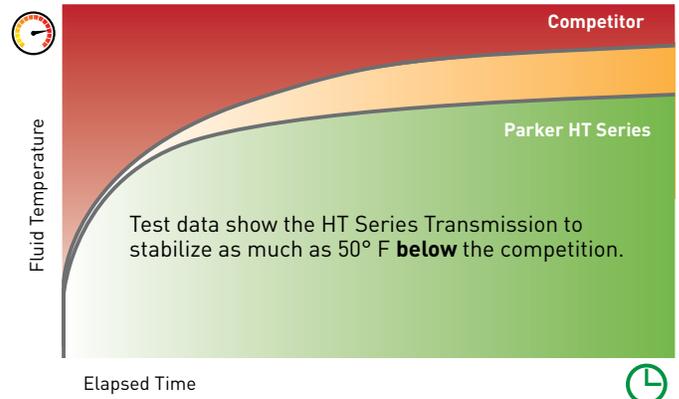
Less Maintenance Downtime

Better engineering makes it easier to "Go Green." The HT Series helps the environment by requiring far fewer hydraulic oil changes.*



Wasted Energy = Heat

Higher efficiency means lower fluid temperature and cooler operation.



*When used with approved hydraulic fluid.



HTE Series

The HTE Series transmission is the ideal choice for the estate owners and entry commercial operators. It matches the rugged, proven Parker 10cc pump with six sizes of the field-proven TE Torqmotor for the most effective integrated transmission available..

		Continuous Output Torque Rating (lb-in)	Minimum Starting Torque (lb-in)	Maximum Output Torque Rating (lb-in)	Output Speed (rpm)
Motor Displacement (cc/rev)	130	1580	2420	3115	265
	165	1980	2990	3845	212
	195	2415	3635	4675	177
	228	2710	3635	4555	152
	260	3140	3975	4870	133
	293	3560	3940	5180	118



HTJ Series

The HTJ Series transmission is very similar to the HTE transmission, except it integrates with the field-proven TJ Torqmotor (similar to the TE motor except only with a larger output shaft 1¼" versus 1" and a higher capacity bearing for larger side loads.)

		Continuous Output Torque Rating (lb-in)	Minimum Starting Torque (lb-in)	Maximum Output Torque Rating (lb-in)	Output Speed (rpm)
Motor Displacement (cc/rev)	130	1580	2420	3115	265
	165	1980	2990	3845	212
	195	2415	3635	4675	177
	228	2710	3635	4555	152
	260	3140	3975	4870	133
	293	3560	3940	5180	118



HTG Series

The HTG Series has become the industry standard for the truly professional ZTR mowing machines.

		Continuous Output Torque Rating (lb-in)			Minimum Starting Torque (lb-in)			Maximum Output Torque Rating (lb-in)			Output Speed (rpm)		
Motor Displacement (cc/rev)		240	280	310	240	280	310	240	280	310	240	280	310
Pump Displacement (cc/rev)	14	3090	3590	4250	5150	5970	6880	5990	7040	8180	200	171	154
	16	2680	3110	3680	5150	5970	6880	5990	7040	8180	228	195	177

Field Tested, Proven Durability

Better engineering means higher efficiency, more durability, more power on the ground.

Parker Pumps and Motors have been the gold standard for pro-level turf market transmissions. The Parker HT Series Transmissions provide the same rugged and reliable performance in a single integrated unit.

For years, this design has been proven efficient and reliable in the world's most demanding arena: the US commercial turf care market. In 2012, the HT line has been expanded to smaller commercial and estate machines.

Day in and day out, the HT Series design rewards its operators with rugged, efficient performance. It runs cooler and longer between fluid changes while at the same time delivering hard-charging performance under the heavy demands of commercial usage.

Specifications and Options	HTE Series	HTJ Series	HTG Series	
Pump Sizes (cc/rev)	10	10	14, 16	
Motor Sizes (cc/rev)	130, 165, 195, 230, 260, 295	130, 165, 195, 230, 260, 295	240, 280 or 310	
Weight (Including hydraulic fluid)	HTE 130/165 - 23lbs	HTJ 130/165 - 26lbs	66 lbs	
	HTE 195/230 - 26lbs	HTJ 195/230 - 30lbs		
	HTE 260/295 - 30lbs	HTE 260/295 - 33lbs		
Gross Vehicle Weight	1,100 lbs maximum	1,300 lbs maximum	2,500 lbs maximum	
Maximum Tire Size	22 inch diameter	24 inch diameter	26 inch diameter	
Maximum Output Speed	Up to 266 rpm	Up to 266 rpm	Up to 223 rpm	
Axle Torque	Up to 5,180 lb-in	Up to 5,180 lb-in	Up to 8,180 lb-in per side	
Fan	7" diameter standard	7" diameter standard	8.3" diameter standard	
Pulley Sizes	5" standard	5" standard	HTG14	5" pulley
			HTG16	6" pulley
Pulley Height from Axle Centerline	2.96"	2.96"	HTG14	3.50"
			HTG16	3.25"
Pulley Input Speed	3,600 rpm maximum	3,600 rpm maximum	3,600 rpm maximum	
Reservoir	Integral 1.75 qt	Integral 1.75 qt	Integral 0.8 gal	
Charge Pump	Integral	Integral	Integral	
Parking Brake	Drum brake standard	Drum brake standard	Drum brake standard	
Parking Brake Holding Torque Capacity	4,000 lb-in per side	4,000 lb-in per side	4,000 lb-in per side	
Hub	4 bolt or 5 bolt	4 bolt or 5 bolt	4 bolt or 5 bolt	
Return to Neutral	Optional	Optional	Optional	
Expansion Tank	Integral	Integral	Required	
Shock Valves	Optional	Optional	Standard	

Parker Hydraulics International Sales Offices

North America

Hydraulics Group Headquarters

6035 Parkland Boulevard
Cleveland, OH 44124-4141 USA
Tel: 216-896-3000
Fax: 216-896-4031

Parker Hannifin Canada Division

160 Chisholm Drive Milton
Ontario, Canada L9T 3G9
Tel: 905-693-3000
Fax: 905-876-1958

Mexico

Parker Hannifin de México

Industrial Hydraulic Sales
Eje Uno Norte No. 100
Parque Industrial Toluca 2000
Toluca, Edo. de Mexico CP 50100
Tel: 52 72 2275 4200
Fax: 52 72 2279 9308

Parker Hannifin de México

Mobile Hydraulic Sales
Via de FFCC a Matamoros 730
Apodaca, NL CP de Mexico 66600
Tel: 52 81 8156 6000
Fax: 52 81 8156 6068

Europe

Hydraulics Group Headquarters

La Tuillière 6
1163 Etoy - Switzerland
Tel: 41 21 821 8500
Fax: 41 21 821 8580

South Africa

Parker Hannifin Africa Pty Ltd

P.O. Box 1153
ZA-Kempton Park 1620,
Republic of South Africa
Tel: 27 11 961 0700
Fax: 27 11 392 7213

Mobile Sales

Mobile Sales Organization and Global Sales

850 Arthur Avenue
Elk Grove Village, IL 60007 USA
Tel: 847-258-6200
Fax: 847-258-6299

Industrial Sales

Central Region

1042 Maple Avenue
Unit 331
Lisle, IL 60532 USA
Tel: 630-964-0796

Great Lakes Region

6035 Parkland Boulevard
Cleveland, OH 44124-4141 USA
Tel: 216-896-2740
Fax: 866-498-7507

Gulf Region

20002 Standing Cypress Drive
Spring, TX 77379 USA
Tel: 817-473-4431
Fax: 888-227-9454

Southwest Region

700 S. 4th Avenue
Mansfield, TX 76063 USA
Tel: 817-473-4431
Fax: 888-227-9454

Mid Atlantic & Southeast Regions

1225 Old Alpharetta Rd
Suite 290
Alpharetta, GA 30005 USA
Tel: 770-619-9767
Fax: 770-619-9806

Midwest Region

8145 Lewis Road
Minneapolis, MN 55427 USA
Tel: 763-513-3535
Fax: 763-544-3418

Northeast Region

P.O. Box 396
Pine Brook, NJ 07058 USA
Tel: 973-227-2565
Fax: 973-227-2467

Northwest Region

6458 North Basin Avenue
Portland, OR 97217 USA
Tel: 503-283-1020
Fax: 866-611-7308

Pacific Region

8460 Kass Drive
Buena Park, CA 90621 USA
Tel: 714-228-2509
Fax: 714-228-2511

Asia Pacific

Parker Hannifin Shanghai Ltd.

280 Yunqiao Road,
Jin Qiao Export Processing Zone
Shanghai 201206, China
Tel: 86 21 2899 5000
Fax: 86 21 6445 9717

Parker Hannifin Hong Kong Ltd.

8/F, Kin Yip Plaza
9 Cheung Yee Street
Cheung Sha Wan, Hong Kong
Tel: 852 2428 8008
Fax: 852 2480 4256

Parker Hannifin Korea Ltd.

9F KAMCO Yangjae Tower
949-3 Dogok1-dong, Gangnam-gu
Seoul, 135-860, Korea
Tel: 82 2 559 0400
Fax: 82 2 556 8187

Parker Hannifin India Pvt Ltd.

Plot No. EL-26, MIDC,
TTC Industrial Area
Mahape, Navi Mumbai, 400 709, India
Tel: 91 22 6513 7081
Fax: 91 22 2768 6841

Parker Hannifin Australia

Parker Hannifin Pty Ltd.
9 Carrington Road
Castle Hill, NSW 2154, Australia
Tel: 612 9634 7777
Fax: 612 9842 5111

Latin America

Parker Hannifin Ind. e Com. Ltda Hydraulics Division

Av. Frederico Ritter, 1100
94930-000 Cachoeirinha RS, Brazil
Tel: 55 51 3470 6090
Fax: 55 51 3470 9281

Parker Hannifin Argentina S.A.I.C.

Stephenson 2711
1667-Tortuguitas-Malvinas Argentinas
Pcia. de Buenos Aires, Argentina
Tel: 54 3327 44 4129
Fax: 54 3327 44 4199

Pan American Division

7400 NW 19th Street, Suite A
Miami, FL 33126 USA
Tel: 305-470-8800
Fax: 305-470-8808

