

PEERLESS[®]

TRANSMISSIONS



100 Series Differential Axles

Driving choice. Believing dependability.

PEERLESS®

Differential Axles & Transmissions

Peerless differential axles provide ultimate performance, durability, and ease of operation for all your rider and other drive needs. Available with either 3/4 or 1-inch diameter axle shafts. Peerless differential axles are ultra-quiet and will provide customers superior performance when used with a Peerless 700 Series transmission.

Technical Specification

Features & Benefits



- **Housing** - Die-cast aluminum housing offers outstanding heat dissipation and durability.
- **Axis Shafts** - 3/4" (19.05 mm) & 1" (25.4 mm) diameter with key slot (optional shaft ends are available).
- **Differential** - Automotive-type slanted metal or optional steel cut bevel gears provide smooth, long lasting performance.
- **Bushings** - Axis shafts rotate on bronze or oil impregnated slanted iron bushings. Needle bearings and seals are available as an optional on 3/4" (19.05 mm) diameter axles.
- **High Carbon Steel Bolts** - Holds housing assembly together and provides housing for sprocket. Includes positive locknuts (4-Bolts Standard, 8-Bolts Optional).
- **Stamped Steel Sprockets** - Standard 40, 45, 54 or 68 tooth sprockets for number 40 and 41 chain. Shipped separate from differential.

100 Series Differentials

Output torque	150 ft. lbs. (203.4 N-m)
Axis / Tire Diameter 3/4" (19.05 mm) 1.0" (25.4 mm)	18" (457.2 mm) 20" (508.0 mm)
Weight on Differential 3/4" (19.05 mm) 1.0" (25.4 mm)	400 lbs. (181.5 kg) 600 lbs. (272.3 kg)
Net Weight	10 lbs. (4.5 kg)
Wheel Weight Total	70 lbs. (31.8 kg)
Weight Box to offset front mount implement	100 lbs. (45.4 kg)

Peerless 700 Series Manual Shift Transmissions

Peerless 700 Series transmissions are available with up to five forward speeds and one reverse. Output sprocket and service brake are available.



Output Torque
90 ft. lbs. (27.1 N-m)

Specifications subject to change without notice.

812-833-7371 - USA Sales / Factory

812-833-7382 - USA Engineering

888-838-3310 - Customer Service

0044 1632 580076 - European Sales & Engineering

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PLA-917 Series Power Device Actuator

Driving choice. Delivering dependability.



Peerless Power Device Actuators provide the ultimate in performance, durability, and ease of operation for both residential and commercial applications. Actuators are ultra-quiet, smooth operating and reversible. The PLA-917 series provides linear motion for loads up to 400-pounds and travel lengths that meet customers requirements. Actuators are designed for both 12 and 24 VDC. Actuators come standard with 6" (150mm) wire leads and the motor is sealed for outdoor use. Actuator screw is available with t-nut or clevis mount.

Technical Specification

Features & Benefits



- Designed to meet automotive application requirements.
- Low audible noise.
- Designed for residential, commercial or industrial long life use.

Applications

- Seat Actuators
- Locking Devices
- Mower Deck Lifts or Discharge Adjustment
- Pedal Adjusters
- Blade Engagement
- Grass Catcher Dumping
- Snow Products

PLA-917 Series

Frame Size	S150
Rated Volts	12 VDC
Rated RPM	1,750
Rated Current Amps	10
Max. Horsepower	0.069
(Kt) Oz. Inch/AMP	4.00
(Ke) Volts/1000 RPM	6.86
Weight	1.5 lbs. (0.68 kg)
Lift Weight	400 lbs. (181.4 kg)
Thrust Load	1300 lbs. (589.7 kg)
Travel Speed	1-inch/sec (25.4) mm/sec

The above table indicates typical motor performance at specified rated voltage at an ambient temperature of 70° F. All data above is based on maximum performance available under current frame size and motor lengths. However, based on the individual application needs, motors may be wound to meet your requirements.

Specifications subject to change without notice.

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866-536-8310 - Customer Service

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TRANSMISSIONS



PHM Series Hydraulic Wheel Motors

Driving choice. Delivering dependability.





Peerless PHM series hydraulic motors provide ultimate performance, durability, and ease of operation for all your commercial walk behind mower and zero turn rider needs. When the Peerless PHM series motors are combined with Peerless hydrostatic pumps, they can be remotely located for optimum placement. Peerless hydraulic motors are available with either geroler or gerotor type elements.

Technical Specification

Type Motor Size			PHM 10K	PHM 12K	PHM 15K	PHM 19K	PHM 24K
Geometric Displacement	cu in (cc)		9.74 (159.6)	12.19 (199.8)	15.26 (250.1)	19.26 (315.7)	24.23 (397.0)
Maximum Speed	rpm (min-1)	cont. int.*	375 470	300 375	240 300	190 240	150 190
Maximum Torque	in-lbf (daNm)	cont. int.* peak**	345 (39) 380 (43) 407 (46)	398 (45) 442 (50) 495 (56)	478 (54) 539 (61) 628 (71)	486 (55) 557 (63) 734 (83)	539 (61) 610 (69) 770 (87)
Maximum Output	hp (kW)	cont. int.*	15.4 (11.5) 18.8 (14)	14.8 (11) 17.4 (13)	13.4 (10) 16.1 (12)	12.1 (9) 14.8 (11)	10.5 (7.8) 14.2 (10.6)
Maximum Pressure Drop	psi (bar)	cont. int.* peak**	2538 (175) 2900 (200) 3263 (225)	2538 (175) 2900 (200) 3263 (225)	2538 (175) 2900 (200) 3263 (225)	1958 (135) 2321 (160) 3046 (210)	1668 (115) 2031 (140) 2538 (175)
Maximum Oil Flow	gpm (l/min.)	cont. int.*	16 (60) 20 (75)	16 (60) 20 (75)	16 (60) 20 (75)	16 (60) 20 (75)	16 (60) 20 (75)
Maximum Start Pressure with unloaded shaft	psi (bar)	cont.	102 (7)	73 (5)	58 (4)	44 (3)	44 (3)
Min. Starting Torque at Max. Pressure Drop	in-lbf (daNm)	cont. int.*	2832 (32) 3275 (37)	3629 (41) 4071 (46)	4425 (50) 4868 (55)	4425 (50) 5842 (66)	4337 (49) 5399 (61)
Min. Continuous Speed	rpm (min-1)		10	10	10	10	10
Weight	lb (kg)		25 (11.2)	25.6 (11.6)	26.7 (12.1)	27.8 (12.6)	29.3 (13.3)
Shaft - Tapered			1"	1.25"	1.25"	1.25"	1.25"
Maximum Inlet Pressure	psi (bar)	cont. int.* peak**	2538 (175) 2900 (200) 3263 (225)	2538 (175) 2900 (200) 3263 (225)	2538 (175) 2900 (200) 3263 (225)	1958 (135) 2321 (160) 3046 (210)	1668 (115) 2031 (140) 2538 (175)
Maximum Return Pressure with Drain Line	psi (bar)	cont. int.* peak**	2538 (175) 2900 (200) 3263 (225)	2538 (175) 2900 (200) 3263 (225)	2538 (175) 2900 (200) 3263 (225)	1958 (135) 2321 (160) 3046 (210)	1668 (115) 2031 (140) 2538 (175)

* Intermittent operation: the permissible values may occur for maximum 10% of every minute.

** Peak load: the permissible values may occur for maximum 1% of every minute.

Specifications subject to change without notice.

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TRANSMISSIONS



MST Series Manual Shift Transaxles

Driving choice. Delivering dependability.



Industry leading Peerless MST series transaxles are best in class. MST's provide ultimate performance, durability, and ease of operation for all your residential walk-behind and riding mower needs. Designed for use in commercial applications such as: power wheel barrows & wagons, aircraft tugs, and walk-behind mowers. Available with up to six forward speeds and one reverse. MST, why would anyone settle for anything less?

Technical Specification

Features & Benefits



- Housing - Die-cast aluminum housings offer outstanding heat dissipation and durability. Housings are sealed to prevent the entry of water and dirt, extending life of components.
- Lubrication - EP-90 gear lube.
- Axle Shafts - 3/4" (19.05 mm) with key slots.
- Differential - Automotive-type sintered metal bevel gears provide smooth, long lasting performance.
- Bushings - All shafts rotate on oil impregnated bronze bushings, except the input shaft which uses needle bearings. (Axle Bearings Optional).
- Vehicle Brake - Can be used as a parking brake. (NOTE: Brake effective only when power source is declutched from transmission. CAUTION: Brake will require periodic maintenance and adjustment to assure safe operation of equipment.
- Gear Ratio's - Forward 68.559:1, 60.249:1, 47.464:1, 34.279:1, 30.918:1, 27.932:1, 22.853:1, 20.676:1, 15.235:1, 13.711:1 & Reverse 47.464:1

MST Series Transaxles

Output torque	225 ft. lbs. (305 N-m)
Maximum Forward Speeds	6
Axle Size	3/4" (19.05 mm)
Maximum Input Speed	2,000 rpm
Maximum Tire Diameter	20" (508 mm)
Weight on Tires	525 lbs. (238 kg)
Mounting - 4 point	Axle mounts on both sides of transaxle
Weight box to offset front mounted implements	100 lbs. (45.4 kg)
Wheel Weight Total	70 lbs. (31.8 kg)
Neutral Switch	Optional
Input Type	Pulley & Belt
Net Weight	38 lbs. (17.2 kg)

Peerless 820 Series Manual Shift Transaxles

Peerless 820 Series transaxles are available with 1" (25.4 mm) axle shafts. Output Torque Capacity 450 ft. lbs. (610 N-m)



Specifications subject to change without notice.

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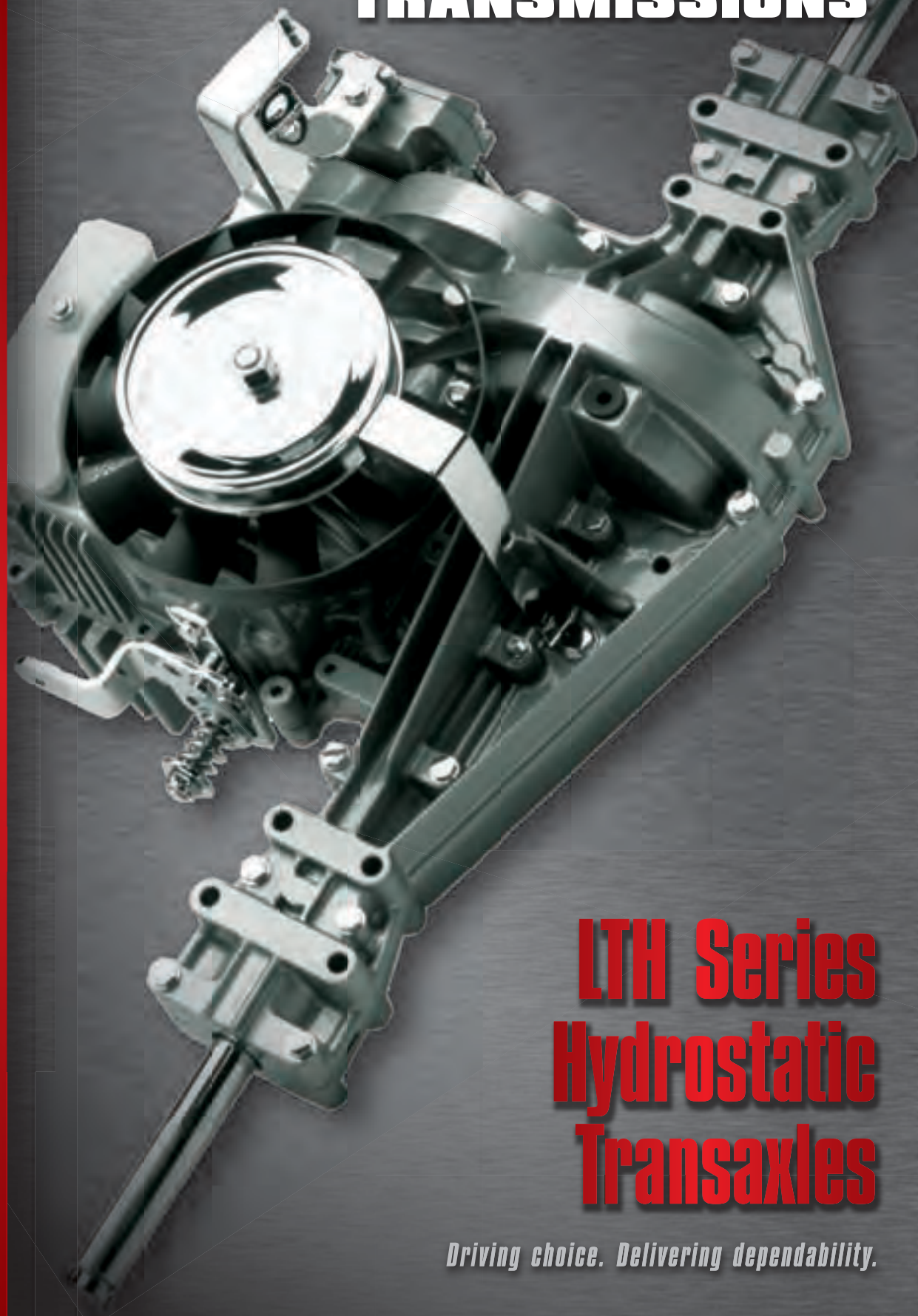
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TRANSMISSIONS



LTH Series Hydrostatic Transaxles

Driving choice. Delivering dependability.



Peerless Silentrac® LTH-2000 series hydrostatic transaxles provide ultimate performance, durability, and ease of operation for all your lawn tractor needs. Peerless patented modular design provides superior lubrication by allowing specially formulated gear oil to be used in the final drive while the hydrostatic transmission uses hydraulic oil in separate reservoir to reduce particulate contamination. For ease of installation, LTH-2000 Series transaxles are available with either left-hand or right-hand controls.

Technical Specification

Features & Benefits



- Housing - Die-cast aluminum housings offer outstanding heat dissipation and durability. Hydrostatic transmission and final drive have independently sealed housings for longer life.
- Lubrication - Specially formulated gear oil in the final drive and Mobil 424 oil in the hydrostatic transmission provide superior lubrication and performance.
- Axle Shafts - 3/4" (19.05 mm) with key slots.
- Needle Bearings - on all shafts for longer life.
- Disconnect - allows vehicle to be moved by hand.
- Service - Transmission non-serviceable, Final Drive completely serviceable.
- Vehicle Brake - Can be used as a parking brake. (NOTE: Brake effective only when power source is declutched from transmission. CAUTION: Brake will require periodic maintenance and adjustment to assure safe operation of equipment.
- Gear Ratio's - 22.091:1, 20.014:1, 16.691:1, 15.860:1

LTH Series Transaxles

Output Torque

165 lb. ft. (224 N-m)	150 lb. ft. (204 N-m)	125 lb. ft. (170 N-m)	119 lb. ft. (161 N-m)
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Maximum Tire Diameter

*23" (584 mm)	20" (508 mm)	18" (457 mm)	18" (457 mm)
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*Cheater

Lubrication Hydrostatic Transmission Final Drive

Mobil - 424 Oil
EP-90 gear lube

Controls

Hand - Friction Pack
Foot - Return to Neutral

Hydrostatic Transmission Displacement

.623 in³/rev
(10.2 cc/rev)

Operating Temperature

170° F

Ambient Temperature

-20° to 100° F Normal

Input Speeds (rpm)

2,300 Max., 1,800 Min.

Weight on Tires

525 lbs. (238 kg)

Net Weight

36 lbs. (16 kg)

Peerless MST Series Manual Shift Transaxles

Peerless MST-200 Series manual shift transaxles are available.
Output Torque 225 ft. lbs (205 N-m).



Specifications subject to change without notice.

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TRANSMISSIONS



FDM Series Fixed Displacement Axial Piston Motors

Driving choice. Delivering dependability.





Peerless FDM Series fixed displacement hydraulic motors provide ultimate performance, durability, and ease of operation for all your commercial & industrial equipment needs. When the Peerless FDM Series motors are combined with Peerless VDP Series axial piston pumps, they can be remotely located for optimum placement and performance.

The FDM Series motor design includes fixed displacement axial pistons and swash plate, suitable for both open and closed loop circuits. Simple construction of the Peerless motor provides the ultimate in reliability and safety for a wide range of working conditions: they can withstand both low and high revolutions with constant torque.

Since the FDM Series motors are compact, they can be fitted in very restricted areas, which are difficult to achieve with traditional mechanical transmissions. For ease of hose routing, both side and rear ports are available.

Technical Specification

Variable Displacement Motors



Motor Type			FDM-718	FDM-2450
Geometric Displacement	cc/rev.		7, 9, 11, 13, 14, 17 & 18	24, 28, 34, 40 & 50
Rotation Speed	rpm (max.) rpm (min.)		3600 500	3600 500
Maximum Pressure	psi (bar)	cont. int. peak	3050 (210) 3900 (270) 4350 (300)	3050 (210) 3625 (250) 4568 (315)
Temperature w/ standard seals	°F °C		194 90	194 90
Weight	lbs kg		7.7 3.5	26.4 12
Port Threads				UNF with or without O-ring
Output Shaft				Straight, splined or thru shaft

Specifications subject to change without notice.



For optimum drive system performance choose one of the Peerless VDP Series Variable Displacement Axial Piston Pumps. Peerless VDP Series Pumps are available in displacements from 7cc to 52cc.

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866-536-8310 - Customer Service

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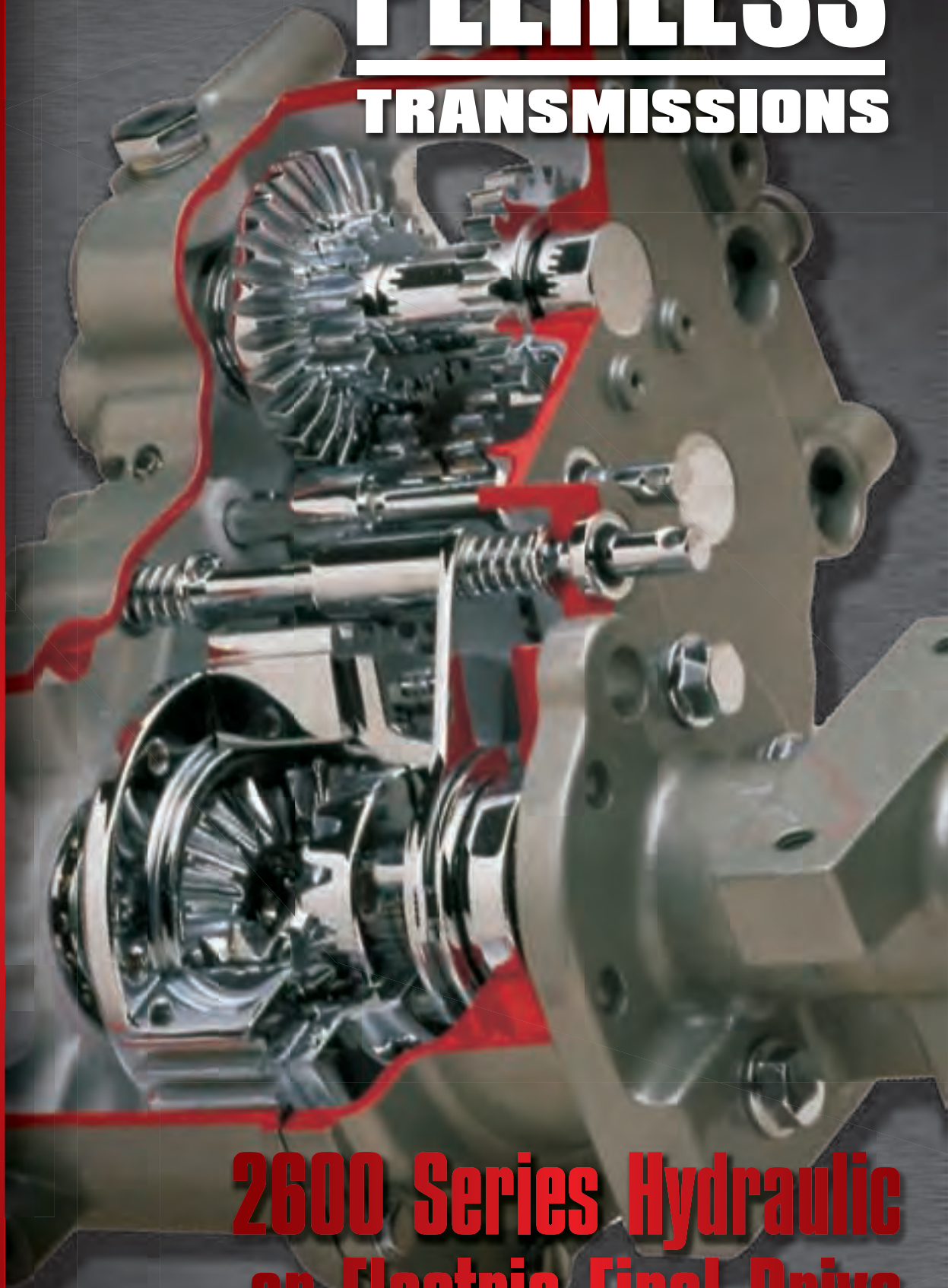
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TRANSMISSIONS



**2600 Series Hydraulic
or Electric Final Drive**

Driving choice. Delivering dependability.



Peerless 2600 series hydraulic final drives provide ultimate performance, durability, and ease of operation for commercial riding vehicles. Peerless 2600 series final drives coupled with a Peerless FDM-718 series hydraulic motor, can provide up to 1,200 ft. lbs. (1,627 N-m) of axle output torque. For optimum performance an optional four pinion automotive-type differential, differential lock, and high / low range are available for 2600 series final drive. Peerless 2600 series final drives can also be used for electric drive vehicles such as aircraft tugs, etc.

Technical Specification

Features & Benefits



- Final Drive - Housing is made from reinforced die-cast aluminum with cast iron axle supports. Peerless 2600 series final drives are available with Peerless 2650 series axles or 2675 series forged axles.
- Gears - All steel cut gears, heat-treated for extra strength.
- Axle Shafts - 1-3/16" (30.1 mm) with key slots, installed in a cast iron housing. For vehicle carrying extreme loads, Peerless forged axles are available. Axle housing assembly may be shipped loose.



- Lubrication - Oil bath lubrication; gear case can be used as reservoir for hydraulic system.
- Differential - Automotive-type steel bevel gears. Optional 4-pinion differential available.
- 2600 Gear Ratio's
High: 24.8:1 Low: 40.0:1

2600 Series Final Drives

Output torque	1,200 ft. lbs. (1,627 N-m)
Axle Size	1-3/16" (30.1 mm)
Maximum Available Speeds	High / Low Range
Maximum Weight on Transaxle	1,800 lbs. (816.5 kg)
Maximum Input Speed	3,600 rpm
Maximum Tire Diameter	29" (737 mm)
Wheel Weight Total	600 lbs. (272 kg)
Weight Box to Offset Front Mount Implements	500 lbs. (227 kg)
Gear Ratios	High: 24.8:1 Low: 40.0:1
Parking Brake - 1" (25.4 mm) diameter shaft w/ key slot.	Suitable for band or disc brake

Peerless FDM-718 Series Fixed Displacement Motor

Use Peerless model FDM-718 Series Hydraulic Motor with Peerless 2600 series final drive.



Specifications subject to change without notice.

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TRANSMISSIONS



2500 Series Hydrostatic Final Drives

Driving choice. Delivering dependability.



Peerless 2500 series hydrostatic final drives provide ultimate performance, durability and ease of operation for commercial riding vehicles. The Peerless 2500 series final drive can be coupled with an Eaton model 11 hydrostatic transmission. Peerless 2500 series final drive offers optional high / low ranges for optimum performance.

Technical Specification

Features & Benefits



- Final Drive - Housing is made from reinforced die-cast aluminum with cast iron axle supports. Axles shafts rotate on ball bearings.
- Gears - All steel cut gears, heat-treated for extra strength.
- Axle Shafts - 1-1/8" (28.6mm) with key slots. Axle housing assembly may be shipped loose. Straight or tapered or threaded axle ends available.
- Differential - Automotive-type steel bevel gears or spur gears with limited slip feature.
- Peerless 2500 series final drives can be coupled to Eaton model 11 series hydrostatic transmissions.
- Lubrication - Oil bath lubrication; gear case can be used as reservoir for hydrostatic system. Eaton model 11 requires premium hydraulic fluid having a viscosity equivalent to SAE 20W20.
- 2500 Gear Ratio's
High Range - 20.6:1, 18.6:1, 14.0:1, 13.9:1, 11.8:1, 10.3:1, 8.7:1
Low Range - 40.0:1, 27.3:1, 22.9:1, 20.4:1, 17.8:1, 16.5:1

2500 Series Final Drives

Output torque	1,200 ft. lbs. (1,627 N-m)
Axle Size	1-1/8" (28.6 mm)
Maximum Available Speeds	High / Low Range with Infinite
Maximum Weight on Transaxle	1,500 lbs. (681 kg)
Maximum Input Speed	3,600 rpm
Maximum Tire Diameter	29" (737 mm)
Wheel Weight Total Weight Box to Offset	600 lbs. (272 kg)
Front Mount Implements	400 lbs. (182 kg)
Peerless Gasket Required for Transmission Mounting	P/N 788050
Parking Brake - 1" (25.4 mm) diameter shaft w/ key slot.	Suitable for band or disc brake
Net Weight	90 lbs. (41 kg)

Eaton Model 11 Hydrostatic Transmissions

To purchase Eaton model 11 hydrostatic transmissions, please contact Eaton Hydraulics.

http://hydraulics.eaton.com/products/trans_light_duty.m



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TRANSMISSIONS



2100 Series Hydrostatic Transmissions

Driving choice. Delivering dependability.



Peerless 2100 series hydrostatic transmissions provide power and maneuverability to operate vehicles in tight areas. They are engineered with either right-hand or left-hand controls and can be used in tandem or separately to meet your design needs. Designed for use in many products: Snow Blowers, Walk-Behind Mowers, Zero Turn Machines, Concrete Saws, and many other applications.

Technical Specification

Features & Benefits



- Housing - Sealed die-cast aluminum housings offer outstanding heat dissipation and durability for longer life.
- Lubrication - Mobil 424 oil provides superior lubrication and performance.
- Output Shaft - Transmission comes standard with a 3/4" (19.05 mm) diameter shaft with woodruff key. Optional shaft diameters and configurations available upon request.
- Bearings - All shafts are mounted on needle or ball bearings for longer life.
- Neutral Position - Transmission neutral is pre-adjusted at factory.
- Hydrostatic Transmission - Non-serviceable.
- Transmission Controls - Available with friction pack or return to neutral system. Extremely low effort foot pedal or hand controls provide operators more comfortable vehicle control. Right-hand or left-hand controls are available.

2100 Series Transmissions

Output torque	85 in. lbs. (9.6 N-m)
Hydrostatic Transmission Displacement	.623 in ³ /rev (10.2 cc/rev)
Hydrostatic Transmission Reservoir	Bottle or Hose with Breather 2-5 psi (.14 - .35 bar)
Input Speeds	2,300 rpm (Max.) 2,100 rpm (Min.)
Net Weight	16 lbs. (7.3 kg)
Lubrication	Mobil - 424 oil
Controls	Friction or Return To Neutral

Peerless 700 Series Manual Shift

Peerless 700 Series transmissions are available for applications requiring a manual shift transmission.



Specifications subject to change without notice.

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TRANSMISSIONS



1300 Series Hydrostatic Final Drive

Driving choice. Delivering dependability.



When the Peerless 1300 series final drive is coupled with an Eaton Model 11 Hydrostatic Transmission, they can provide up to 400 ft. lbs. (542 N-m) of axle output torque. For applications with lower output torque requirements, the Peerless 1300 series final drive can be coupled to the Eaton Model 7 Hydrostatic Transmission.

Technical Specification

Features & Benefits



- Final Drive - Housing is made from reinforced die-cast aluminum with cast iron axle supports. Axles shafts rotate on oil impregnated bronze bushings.
- Gears - All steel cut gears, heat-treated.
- Axle Shafts - 1" (25.4 mm) with key slots.
- Differential - Automotive-type steel bevel gears provide smooth, long lasting performance.
- Peerless 1300 series final drive can be coupled to a model 7 or 11 series Eaton hydrostatic transmission, which are not provided by Peerless.
- Lubrication - Oil bath lubrication: Gear case can be used as reservoir for hydrostatic system. Eaton requires premium hydraulic fluid having viscosity equivalent to SAE 20W30.
- 1300 Gear Ratio's
 - Pinion Gear Required - purchase from Eaton.
 - 19.7:1 (#42236) and 22.2:1 (#40511)
- 1310 Gear Ratio's
 - Pinion Gear Required - purchase from Peerless.
 - 12.1:1 and 16.2:1

1300 Series Final Drive

Output torque	400 ft. lbs. (542 N-m)
Axle Size	1" (25.4 mm)
Maximum Available Speeds	Single, Hydrostatic Model 7 or 11 is infinite speed
Maximum Weight on Transaxle	600 lbs. (272 kg)
Maximum Input Speed	3,600 rpm
Maximum Tire Diameter	23" (584 mm)
Peerless Gasket Required for Transmission Mounting	P/N 788046 (1300) P/N 788050 (1310)
Parking Brake	Disc
Net Weight	30 lbs. (14 kg)

Eaton Model 7 or 11 Hydrostatic Transmissions

To purchase Eaton model 7 or 11 hydrostatic transmissions, please contact Eaton Hydraulics.
http://hydraulics.eaton.com/products/trans_light_duty.htm



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TRANSMISSIONS



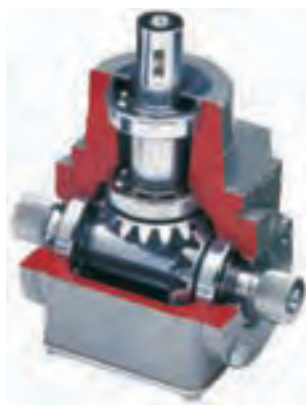
**1000 & 1050 Series
Right Angle &
T-Drive Gearboxes**

Driving choice. Delivering dependability.

Peerless Right & T-Drive Gearboxes provide ultimate performance, durability, and ease of operation for commercial applications. Peerless 1000 Series Right Angle & T-Drives are ideal for mower deck drives requiring the mower's blade to be mounted directly to the gearbox output shaft. The Peerless 1050 and 1100 Series Cast Iron Gearboxes are available for heavy-duty and high impact commercial applications.

Technical Specification

Features & Benefits



- Housings
1000 Series - Die Cast Aluminum
1050 Series - Cast Iron
- Shafts - 7/8" (22.2 mm) diameter
Special shaft ends available to meet customer design specifications.
- Bearings - All shafts mounted on ball bearings.
- Gears - Heavy-Duty cut steel and heat-treated.
- Rotation - Available with right-hand or left-hand rotation.
- Lubrication - EP-90 Gear Oil.



1000 & 1050 Series Gearboxes

Engine Horsepower 1000 Series 1050 Series	10 hp 13 hp
Shaft Size	7/8" (22.2 mm)
Maximum Input Speed	3,600 rpm
Maximum Static Torque	100 ft. lbs. (135.6 N-m)
Weight 1000 Series 1050 Series	6 lbs (2.7 kg) 9 lbs (4.1 kg)
Options Right-Hand Rotation Left-Hand Rotation T-Drive Couplings w/internal splines Connector Shafts Shaft Ends	1000-014 1000-026 1000-007 Various Lengths Customer Spec.

Peerless 1100 Series Right Angle & T-Drive Gearbox

When your application is too big for Peerless 1000 or 1050 series gearboxes, Peerless 1100 Series Cast Iron Right Angle & T-Drive Gearboxes are available.



Rating
20-Horsepower

Specifications subject to change without notice.

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TRANSMISSIONS



820 Series Manual Shift Transaxles

Driving choice. Delivering dependability.

Industry leading Peerless 820 series transaxles are the best in class. It provides ultimate performance, durability, and ease of operation for all your garden tractor needs. Designed for use in commercial applications such as: power wheel barrows, power wagons, aircraft tugs, and many other applications. Available with up to six forward speeds and one reverse.

Technical Specification

Features & Benefits



- Housing - Die-cast aluminum housings offer outstanding heat dissipation and durability. Housings are sealed to prevent the entry of water and dirt, extending component life.
- Lubrication - Specially formulated grease.
- Axle Shafts - 1" (25.4 mm) with key slots.
- Differential - Automotive-type steel bevel gears provide smooth and long lasting performance.
- Bearings - Ball bearings on axles and input shafts. Needle bearings on all other shafts.
- Gears - All gears are cut steel and heat-treated.
- Output Torque - 450 ft. lbs. (610 N-m).
- Vehicle Brake - Can be used as a parking brake. (NOTE: Brake effective only when power source is declutched from transmission. CAUTION: Brake will require periodic maintenance and adjustment to assure safe operation of equipment.
- Gear Ratio's - Forward 92.9:1, 62.9:1, 47.6:1, 43.3:1, 36.3:1, 30.6:1, 23.9:1, 20.4:1, 16.0:1, 13.6:1, 12.5:1 & Reverse 40.8:1 & 28.5:1

820 Series Transaxles

Output torque	450 ft. lbs. (610 N-m)
Maximum Forward Speed	6
Axle Size	1" (25.4 mm)
Maximum Input Speed	2,000 rpm
Maximum Tire Diameter	23" (584 mm)
Weight on Tires	600 lbs. (272 kg)
Input Shaft	Heavy duty ball and thrust bearings
Mounting - 4 Points	Axle mounts on both sides of transaxle
Neutral Switch	Optional
Net Weight	45 lbs. (20.4kg)

Peerless MST Series Manual Shift Transaxles

Peerless MST Series transaxles are available with 3/4" (19.05 mm) axle shafts. Output Torque Capacity 225 ft. lbs. (305 N-m).



Specifications subject to change without notice.

812-883-7979 - USA Sales / Factory

812-883-7892 - USA Engineering

866-536-8310 - Customer Service

0044 1932 599079 - European Sales & Engineering

www.peerlessgear.com

PEERLESS® GEAR

1555 S. Jackson Street
Salem, IN 47167 USA

PEERLESS[®]

TRANSMISSIONS



700 Series Manual Shift Transmissions

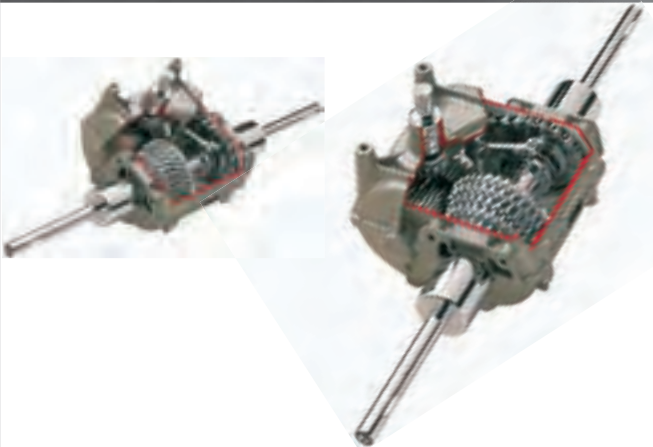
Driving choice. Delivering dependability.



Peerless 700 series transmissions provide ultimate performance, durability, and ease of operation for all your mower needs and are available with up to five forwards speeds and one reverse. Peerless transmissions are available with optional output shafts configured for splined connector shafts & couplings or sprocket & service brake. Options include: neutral switch, output bearings, 2 or 4-shift keys and 12 or 18 oz. (.53 liters) of oil.

Technical Specification

Features & Benefits



- Housing - Die-cast aluminum housings offer outstanding heat dissipation and durability.
- Gears - Sintered metal or optional steel cut.
- Shifter - 2 shift keys or optional 4 shift keys
- Output - 9 tooth splined or 16 tooth serrations.
- Ground Speeds - Up to 5 forward and 1 reverse.
- Input Shaft - 5/8" diameter with steel bevel gear.
- Output Torque - 20 ft. lbs. (27.1 N-m)s
- Vehicle Brake - Can be used as a parking brake. (NOTE: Brake effective only when power source is declutched from transmission. **CAUTION:** Brake will require periodic maintenance and adjustment to assure safe operation of equipment.
- Gear Ratio's - Forward 9.2:1, 7.0:1, 6.4:1, 5.3:1, 4.5:1, 3.0:1, 2.4:1, 1.8:1 and Reverse 4.2:1 or 6.0:1.
- Bearings - Needle bearings on input shaft, bushings or optional bearings on output shaft.

700 Series Transmissions

Output torque	20 ft. lbs. (27.1 N-m)
Maximum Forward Speed	5
Net Weight	18 lbs. (8.2 kg)
Wheel Weight Total	70 lbs. (31.8 kg)
Weight Box to offset front mount implement	100 lbs. (45.4 kg)
Lubrication - Specialty Formulated Transmission Grease	12 oz (.35 liters) 18 oz (.53 liters) opt.
Output shaft support	Bushings or optional bearings
Neutral Switch	Optional
Output Sprocket or Brake	Disk Brake or Sprocket mounts on right or left

Peerless 100 Series Differential Axles

Peerless 100 Series differentials are available with 3/4" (19.05 mm) or 1" (25.4 mm) axle shafts and drive sprocket.



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