

# CENTRAL HYDRAULICS INC.

•Daytona Beach •Cocoa •Leesburg •Ocala •Tampa 1-800-264-9571

## White Drive Products

**WD**  
(145)



WD motors have a smaller outline yet still provide high efficiency across a wide performance range and an economical solution for medium duty applications.

Typical applications include agriculture, conveyors, carwashes, sweepers and food processing.

**Displacement** - 1.5 - 23.5 in/rev  
**Max. Speed** - 1361 RPM  
**Max. Pressure** - 2000 psi  
**Max. Torque** - 4248 lb-in  
**Max. Flow** - 16 gpm

**WP**  
(155)



WP motors deliver significant power in a compact package, important where application space is at a premium and torque cannot be sacrificed.

Typical applications include grain augers, spreaders, hay rakes, carwashes, combines and food processing.

**Displacement** - 1.5 - 24.4 in/rev  
**Max. Speed** - 1570 RPM  
**Max. Pressure** - 2320 psi  
**Max. Torque** - 4248 lb-in  
**Max. Flow** - 16 gpm



**RS**  
(200)



WR motors are an upgrade to the RS motor used in light to medium duty applications and delivers greater performance in pressure, speed, and torque. Integral check valves offer improved seal life.

Typical applications include lightweight wheel drives, positioners, conveyors, swing drives, feed rollers, screw drives and spinners.

**Displacement** - 2.5 - 23.5 in/rev  
**Max. Speed** - 1110 RPM  
**Max. Pressure** - 2500 psi  
**Max. Torque** - 4873 lb-in  
**Max. Flow** - 16 gpm

**WR**  
(255)



WR motors are an upgrade to the RS motor used in light to medium duty applications and delivers greater performance in pressure, speed, and torque. Integral check valves offer improved seal life.

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## White Drive Products

### HK (315)



HK motor/brakes are a performance matched brake package utilizing BK brake and HB motor technologies.

The result is a proven, compact, integrated package suitable for applications needing holding capability up to 10,000 lb-in along with smooth efficient drive motor performance.

**Displacement** - 3.2 - 24.9 in/rev  
**Max. Speed** - 700 RPM  
**Max. Pressure** - 3000 psi  
**Max. Torque** - 8400 lb-in  
**Max. Flow** - 20 gpm

### CE (400, 410, 420, 430)



CE motors are 10-25% lighter and more compact than comparable designs, providing the perfect solution for medium duty applications with space restrictions.

Typical applications include medium duty wheel drives, grapple heads, feed rollers and broom drives.

**Displacement** - 7.4 - 45.6 in/rev  
**Max. Speed** - 370 RPM  
**Max. Pressure** - 3000 psi  
**Max. Torque** - 9575 lb-in  
**Max. Flow** - 20 gpm



### WG (275, 277, 280)



WG motors incorporated a needle bearing to provide and especially solid platform for any medium duty application where side load may present a concern.

Typical application include light to medium duty wheel drives, feed rollers, augers, brush drives and conveyors.

**Displacement** - 2.5 - 24.4 in/rev  
**Max. Speed** - 830 RPM  
**Max. Pressure** - 2000 psi  
**Max. Torque** - 4850 lb-in  
**Max. Flow** - 15 gpm

### HB (300, 310, 320)



HB motors are designed for applications requiring peak efficiency in continuous operation, while providing high performance at low flow rates.

Typical applications include medium duty wheel drives, spinners, chippers, broom drives, auger and machine tool indexers.

**Displacement** - 3.2 - 24.9 in/rev  
**Max. Speed** - 700 RPM  
**Max. Pressure** - 3000 psi  
**Max. Torque** - 8400 lb-in  
**Max. Flow** - 20 gpm

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### DT

(700, 701, 710, 740)



DT motors provides tremendous torque for medium to heavy duty applications. Heavy duty shaft bearings allow high load carrying capabilities, while many shaft options provide solutions for a wide variety of applications.

Typical applications include heavy duty wheel drives, concrete mixing machines, pumping units, conveyors, boring machines and rotators.

**Displacement** - 18.3 - 127.7 in/rev  
**Max. Speed** - 320 RPM  
**Max. Pressure** - 3000 psi  
**Max. Torque** - 23550 lb-in  
**Max. Flow** - 25 gpm

### WS

(350, 355, 357)



WS motors feature a robust design for medium duty applications and high flow rates--a three zone commutator valve for higher flow capacity; heavy duty tapered roller bearings for increased side load; and a larger drive link to better withstand pressure and torque spikes.

Typical applications include skid steer attachments, augers, mowers, and harvesting equipment.

**Displacement** - 4.8 - 30.3 in/rev  
**Max. Speed** - 870 RPM  
**Max. Pressure** - 3000 psi  
**Max. Torque** - 7295 lb-in  
**Max. Flow** - 20 gpm



### RE

(500, 510, 520, 530, 540)



RE motors provide excellent value for medium to heavy duty applications. The patented balance plate design assures high volumetric efficiency at start-up and high torque in running conditions.

Typical applications include medium duty wheel drives, mixers, augers, grapple heads, winch drives, swing drives and broom drives

**Displacement** - 7.4 - 45.6 in/rev  
**Max. Speed** - 370 RPM  
**Max. Pressure** - 3000 psi  
**Max. Torque** - 9700 lb-in  
**Max. Flow** - 20 gpm

### DR

(600, 610, 620, 630, 640)



DR motors are designed for applications requiring peak efficiency in continuous operation, while providing high performance at low flow rates.

Typical applications include medium duty wheel drives, spinners, chippers, broom drives, auger and machine tool indexers.

**Displacement** - 12.4 - 45.6 in/rev  
**Max. Speed** - 470 RPM  
**Max. Pressure** - 3000 psi  
**Max. Torque** - 9800 lb-in  
**Max. Flow** - 25 gpm

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## White Drive Products

### BK (910, 914)



BK brakes provide up to 10,000 lb-in. of holding torque. This compact spring-applied, hydraulically released brake eliminates the cables, linkages, cylinders and brackets used in other brake systems, providing a simpler, more cost-effective solution.

Typical applications include wheel drives, positioners, conveyors, door openers and swing drives.

**Max. Speed** - 870 RPM

**Release Pressure** - 400 psi

**Max. Rel. Pressure** - 3000 psi

**Release Volume** - 0.7 cu.in.

### D9 (800)



D9 motors are the strongest in the product line, ruggedly constructed and able to operate in extreme conditions in a variety of applications, offering higher flow capabilities and greater axial and radial load capacities.

Typical applications include construction machinery, agricultural machinery and associated attachments.

**Displacement** - 15.6 - 62.7 in<sup>3</sup>/rev

**Max. Speed** - 370 RPM

**Max. Pressure** - 3000 psi

**Max. Torque** - 9575 lb-in

**Max. Flow** - 20 gpm



### SB (930)



SB brakes feature a multiple-wet-disc design for superior performance in an extremely compact package, providing a holding capacity in excess of 5,500 lb-in.

SB brakes are easily mated to a variety of global industry standard motor mounting and shaft options, and can be used as a stand-alone brake without an input drive motor

### FD (950)



The FD flow divider is the most accurate available. Our patented Roller Stator design reduces internal leakage and friction, resulting in higher efficiency and providing more accurate output flows and quieter operation.

Typical applications include cylinder synchronization, parallel motor circuits and pressure intensification

**Holding Torque** - 2000-5000 lb-in

**Release Volume** - 0.51 cu.in.

**Release Pressure** - 290 psi

**Max. Rel. Pressure** - 3625 psi

**Flow** - 2 -40 gpm

**Max. Pressure** - 3000 psi

**Max. Pressure Differential Between Ports** - 2500 psi