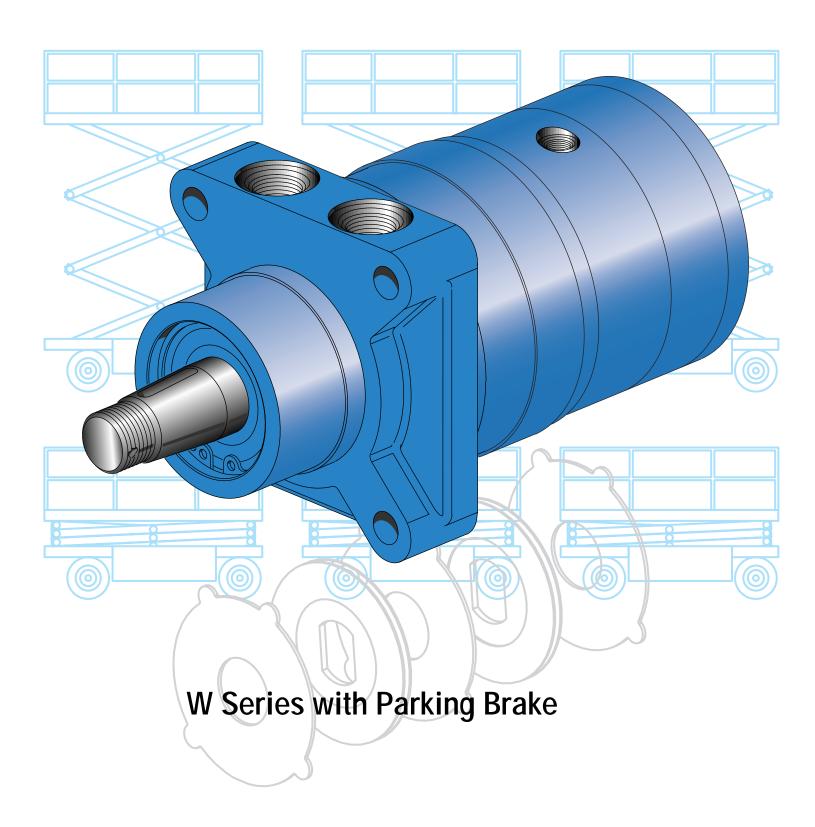
Char-Lynn® Spool Valve Motors

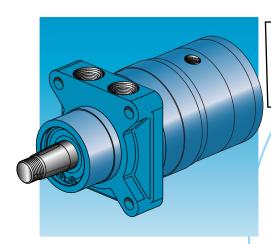






Product Information

W Series with Parking Brake



W Series

- ** Continuous— (Cont.) Continuous rating, motor may be run continuously at these ratings.
- * Intermittent— (Inter.) Intermittent operation, 10% of every minute.

W Series Displacement Size = cubic centimeter per shaft revolution (cm³/r)

- = cubic inch per shaft revolution ([in³/r])
- 126 [7.7]
- 154 [9.4]
- 195 [11.9]
- 251 [15.3]
- 303 [18.5]374 [22.8]

Mounting Flange

 4 Bolt (Wheel) 82,6 [3.25] Pilot Dia, and 13,59 [.535] Dia, Mounting Holes 147,6 [5.81] Dia. B.C., 127,0 [5.00] Dia. Rear Mount Pilot

Output Shaft

- 1-1/4 inch Dia. 14 Tooth Involute Spline 3/8-16 Threaded End
- 1-1/4 inch Dia. Tapered with Woodruff Key and Nut
- · 32mm Dia. Straight withf Key
- 1-1/4 inch Dia. Straight with Key

Port Type

- 7/8-14 O-ring
- G1/2 (BSP)

Case Flow Options

Internal Check Valves

Special Features Available

- Viton Seals
- Reverse Rotation

aint

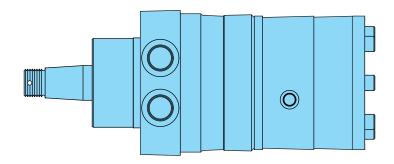
- No Paint (Standard)
- Painted Low Gloss Black

Spring-applied Hydraulic-release Integral Parking Brake

Features:

- · Fully integrated friction disk brake
- Very compact
- Brake torque is transferred through the orbit motion inherent in the motor for a 6:1 brake torque magnification.
- Motor envelope OD unchanged (83 mm [3-1/4 inch] front pilot and 127 mm [5 inch] rear pilot unaffected by addition of brake).
- Independent (hydraulic) brake release port 15 bar [250 psi] minimum to release brake — capable to full system pressure.
- Isolated brake release cavity for positive actuation control
- Short brake actuation stroke, requires very little actuation flow
- · No measurable brake drag
- Brake holding torque 791 Nm [7000 in-lb]
- ANSI/SIA A92.6-1990 standard compatible for scissors lift applications

Brake Applications: This brake is to be used only as a passive parking brake. It is not to be used for dynamic braking.



Specifications — Brake Release Pressure

205 bar [3000 PSI] Max.

15 bar [250 PSI] Min.

Comprehensive W Series Motor Description

(see Char-Lynn® W Series Motor Catalog 11-111)

1-1/4 Inch Straight

32 mm Straight 1-1/4 Inch 14T Splined

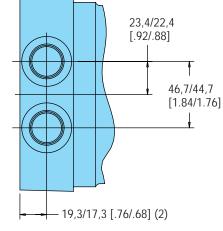
1-1/4 Tapered



Product Information

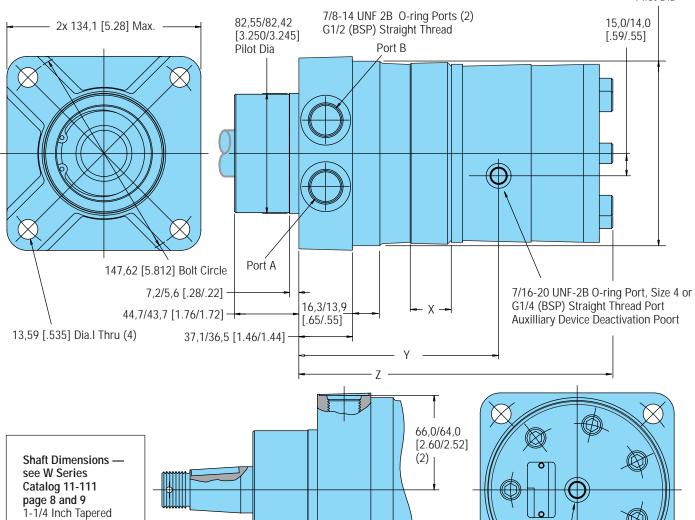
W Series with Parking Brake

Displ. cm ³ /r [in ³ /r]	X Dim. Max.	Y Dim. Max.	Z Dim. Max.	
80 [4.9]	9,1 [.36]	119,9 [4.72]	198,4 [7.81]	
126 [7.7]	11,9 [.47]	122,9 [4.84]	201,2 [7.92]	
154 [9.4]	14,7 [.58]	125,5 [4.94]	204,0 [8.03]	
195 [11.9]	18,5 [.73]	129,6 [5.10]	207,8 [8.18]	
251 [15.3]	23,9 [.94]	134,9 [5.31]	213,4 [8.40]	
303 [18.5]	29,0 [1.14]	139,7 [5.50]	217,7 [8.59]	
374 [22.8]	35,6 [1.40]	146,6 [5.77]	226,8 [8.85]	



Standard Rotation
Viewed from Shaft End
Port A Pressurized — CW
Port B Pressurized — CCW

127,0/126,9 [5.00/4.995] Pilot Dia



7/16-20 UNF-2B O-ring Port, Size 4 or G1/4 (BSP) Straight Thread Port — Service Port

Product Information

W Series with Parking Brake

Product Numbers—W Series with Parking Brake

Add three digit prefix —162-to four digit number from chart for complete product number — Example 162-1153. Orders will not be accepted without three digit prefix.

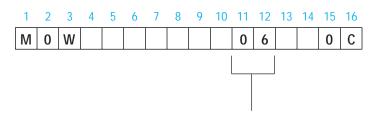
Displ. cm ³ /r	80	126	154	195	251	303	374
[in ³ /r]	[4.9]	[7.7]	[9.4]	[11.9]	[15.3]	[18.5]	[22.8]
Standard	162 -1143	-1144	-1145	-1146	-1134	-1148	-1149

Note: All above motors have 1-1/4 inch tapered output shaft, 7/8 inch o-ring ports.

162-1146

For W Series motors with a configuration not shown in the charts above: Use the model code number system to specify the product in detail (see page 15, Catalog 11-111 and use the model code supplement shown below for spring-applied hydraulic-release parking brake).

Model Code — W Series Spool Valve Motors



Position 11, 12 Special Features (Hardware)

06 Spring-applied hydraulic-release brake

This catalog information was current at date of printing, but may be subject to change.

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