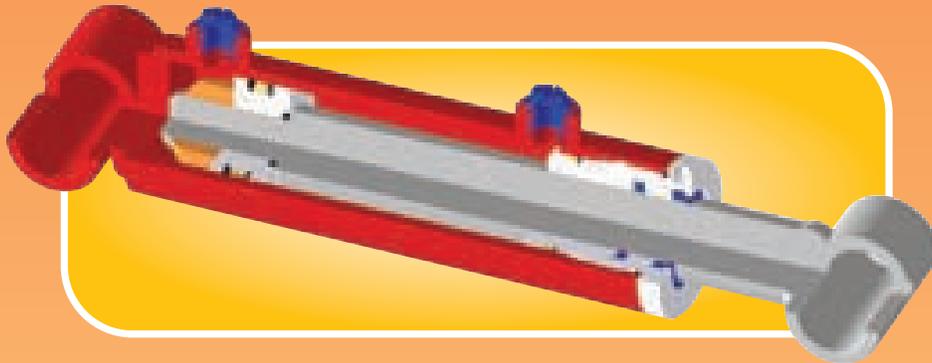


# SHUR-LIFT HYDRAULIC CYLINDERS



**HIGH QUALITY COMPONENTS  
HIGH TOLERANCE MACHINING  
OUTSTANDING HIGH PRESSURE PERFORMANCE**



**DESIGNED TO MEET THE REQUIREMENTS  
OF A WIDE VARIETY OF APPLICATIONS**

## **AGRICULTURAL**



## **INDUSTRIAL**



***PAL***  ***Hydraulics***

*Unique fluid solutions powered by service*

**BACKED BY OUR ROYAL SERVICE PROMISE**

## SHUR-LIFT 3,000 THREADED HEAD UTILITY CYLINDERS



- 3,000 PSI max. continuous pressure
- Features cross tube mounting ends

	Stroke	Retracted Length	Rod dia.	Wt. (lbs.)	ITEM	PRICE
1-1/2" bore, #6 ORB ports 3/4" dia. pinholes Base pineye width: 2" Rod pineye width: 2" 5,301 lbs. push @ 3,000 PSI	4"	12"	1"	7.0	1200239	139.99
	6"	14"	1"	7.1	1200240	144.99
	8"	16"	1"	8.1	1200241	154.99
	10"	18"	1"	9.1	1200242	164.99
	16"	24"	1"	12.2	1200246	189.99
	20"	28"	1"	15.0	8008746	199.99
2" bore, #6 ORB ports 1" dia. pinholes Base pineye width: 2-3/4" Rod pineye width: 2-1/4" 9,424 lbs. push @ 3,000 PSI	24"	32"	1"	16.1	8008773	209.99
	4"	12"	1-1/4"	9.8	8008808	149.99
	6"	14"	1-1/4"	10.0	8008844	159.99
	8"	16"	1-1/4"	12.7	1204304	169.99
	10"	18"	1-1/4"	14.2	1200131	179.99
	12"	20"	1-1/4"	15.6	1204312	184.99
	14"	22"	1-1/4"	17.1	1204320	199.99
	16"	24"	1-1/4"	18.5	1204437	209.99
	18"	26"	1-1/4"	20.0	1204338	214.99
	20"	28"	1-1/4"	21.4	1204346	219.99
	24"	32"	1-1/4"	24.4	1204353	229.99
	30"	38"	1-1/4"	28.7	1204361	239.99
2-1/2" bore, #6 ORB ports 1" dia. pinholes Base pineye width: 3-1/4" Rod pineye width: 2-1/4" 14,726 lbs. push @ 3,000 PSI	32"	40"	1-1/4"	30.0	1200220	249.99
	36"	44"	1-1/4"	32.8	1200221	264.99
	40"	48"	1-1/4"	35.8	1200222	284.99
	48"	56"	1-1/4"	38.0	1204452	299.99
	6"	14"	1-1/4"	13.9	8008853	169.99
	8"	16"	1-1/4"	15.6	1204379	179.99
	10"	18"	1-1/4"	17.2	1200223	189.99
	12"	20"	1-1/4"	18.7	1200132	199.99
	14"	22"	1-1/4"	20.4	1200224	219.99
	16"	24"	1-1/4"	21.8	1200133	229.99
	18"	26"	1-1/4"	23.0	1200225	239.99
	20"	28"	1-1/4"	25.0	1204387	249.99
24"	32"	1-1/4"	28.4	1204395	259.99	
30"	38"	1-1/2"	38.1	1200196	284.99	
32"	40"	1-1/2"	39.0	1200226	289.99	
36"	44"	1-1/2"	43.8	1200227	299.99	
40"	48"	1-1/2"	47.7	1200228	309.99	
48"	56"	1-1/2"	55.3	1200230	349.99	
3" bore, #8 ORB ports 1" dia. pinholes Base pineye width: 3-3/4" Rod pineye width: 2-1/4" 21,205 lbs. push @ 3,000 PSI	8"	16"	1-1/4"	18.8	1204403	189.99
	10"	18"	1-1/4"	20.6	1204429	199.99
	12"	20"	1-1/4"	22.4	1200134	219.99
	14"	22"	1-1/4"	24.1	1200210	229.99
	16"	24"	1-1/4"	25.9	1204510	239.99
	18"	26"	1-1/4"	27.8	1204536	249.99
	20"	28"	1-1/2"	32.9	1200135	259.99
	24"	32"	1-1/2"	36.9	1204593	269.99
	30"	38"	1-1/2"	43.3	1200136	299.99
	32"	40"	1-1/2"	48.4	1204734	319.99
	36"	44"	1-3/4"	46.4	1204742	339.99
	40"	48"	1-3/4"	61.4	1204759	359.99
48"	56"	1-3/4"	77.0	1200212	399.99	
3-1/2" bore, #8 ORB ports 1" dia. pinholes Base pineye width: 4-1/4" Rod pineye width: 2-1/4" 28,863 lbs. push @ 3,000 PSI	16"	24"	1-3/4"	36.1	1200205	269.99
	18"	26"	1-3/4"	38.7	1200206	279.99
	20"	28"	1-3/4"	41.4	1200207	289.99
	24"	32"	1-3/4"	46.5	1200213	309.99
	36"	44"	2"	66.0	1200208	389.99
	48"	56"	2"	88.3	1200209	439.99

NOTE: Retracted length is measured centre of pinhole to centre of pinhole.

## SHUR-LIFT 3,000 THREADED HEAD UTILITY CYLINDERS



	Stroke	Retracted length	Rod dia.	Wt. (lbs.)	ITEM PRICE
4" bore, #8 ORB ports 1-1/4" dia. pinholes Base pineye width: 4-3/4" Rod pineye width: 2-3/4" 37,699 lbs. push @ 3,000 PSI	8"	17"	1-1/2"	32.0	<b>1200137 259.99</b>
	10"	19"	1-1/2"	38.6	<b>1200231 269.99</b>
	12"	21"	1-3/4"	43.9	<b>1200232 289.99</b>
	14"	23"	1-3/4"	47.3	<b>1200139 299.99</b>
	18"	27"	1-3/4"	53.8	<b>1204619 329.99</b>
	20"	29"	1-3/4"	54.0	<b>1200233 359.99</b>
	24"	33"	1-3/4"	60.0	<b>1204635 389.99</b>
	30"	39"	2"	80.0	<b>1200140 419.99</b>
	36"	45"	2-1/4"	99.0	<b>1200235 499.99</b>
	40"	49"	2-1/4"	108.0	<b>1200236 519.99</b>
5" bore, #8 ORB ports 1-1/4" dia. pinholes Base pineye width: 5-3/4" Rod pineye width: 2-3/4" 58,904 lbs. push @ 3,000 PSI	24"	33"	2"	85.2	<b>1200238 479.99</b>
	48"	57"	2-1/2"	159.0	<b>1204700 769.99</b>



## SHUR-LIFT 2,500 SNAP RING UTILITY CYLINDERS

- 2,500 PSI max. continuous pressure
- Features cross tube mounting ends

	Stroke	Retracted length	Rod dia.	Wt. (lbs.)	ITEM PRICE
1" bore, 1/8" NPT ports 1/2" dia. pinholes Base pineye width: 1-1/2" Rod pineye width: 1-1/2" 1,962 lbs. push @ 2,500 PSI	4"	12"	5/8"	2.9	<b>1200066 124.99</b>
	8"	16"	5/8"	4.0	<b>1200068 134.99</b>



## SHUR-LIFT 3,000 THREADED HEAD IMPLEMENT CYLINDERS

- 3,000 PSI max. continuous pressure
- Features clevis mounting ends

	Stroke	Retracted length	Rod dia.	Wt. (lbs.)	ITEM PRICE
1-1/2" bore #6 ORB ports 1/2" dia. pinholes	4"	14-1/4"	1"	5.7	<b>1200255 144.99</b>
	6"	16-1/4"	1"	6.7	<b>1200256 154.99</b>
	8"	18-1/4"	1"	7.7	<b>1200257 164.99</b>
	12"	22-1/4"	1"	9.8	<b>1200259 174.99</b>
2" bore #6 ORB ports 1" dia. pinholes	8"	20-1/4"	1-1/4"	15.6	<b>1200263 179.99</b>
	12"	22-1/4"	1-1/4"	17.9	<b>1200265 199.99</b>
	24"	34-1/4"	1-1/4"	26.2	<b>1200270 249.99</b>
	8"	20-1/4"	1-1/4"	18.0	<b>1200271 189.99</b>
	10"	20-1/4"	1-1/4"	19.8	<b>1200272 199.99</b>
	12"	22-1/4"	1-1/4"	21.3	<b>1200273 219.99</b>
2-1/2" bore #6 ORB ports 1" dia. pinholes	14"	24-1/4"	1-1/4"	23.0	<b>1200274 239.99</b>
	16"	26-1/4"	1-1/4"	24.5	<b>1200275 244.99</b>
	20"	30-1/4"	1-1/4"	27.4	<b>1200277 269.99</b>
	24"	34-1/4"	1-1/4"	31.1	<b>1200279 279.99</b>



**SHUR-LIFT 3,000 THREADED HEAD IMPLEMENT CYLINDERS**



- 3,000 PSI max. continuous pressure
- Features clevis mounting ends

	Stroke	Retracted length	Rod. dia.	Wt. (lbs.)	ITEM	PRICE
3" bore #8 ORB ports 1" dia. pinholes	8"	20-1/4"	1-1/4"	21.8	1200280	199.99
	10"	20-1/4"	1-1/4"	22.9	1200281	209.99
	12"	22-1/4"	1-1/4"	24.8	1200282	229.99
	14"	24-1/4"	1-1/4"	26.5	1200283	239.99
	16"	26-1/4"	1-1/4"	28.3	1200284	249.99
	18"	28-1/4"	1-1/4"	30.1	1200285	259.99
	20"	30-1/4"	1-1/2"	34.8	1200287	269.99
4" bore #8 ORB ports 1" dia. pinholes	24"	34-1/4"	1-1/2"	39.1	1200288	289.99
	10"	20-1/4"	1-1/2"	39.0	1200299	279.99
	12"	22-1/4"	1-3/4"	43.5	1200300	289.99
	16"	26-1/4"	1-3/4"	50.7	1200303	319.99

**SHUR-LIFT 2,500 SNAP RING IMPLEMENT CYLINDERS**



- 2,500 PSI max. continuous pressure
- 1" bore, 1/2" pinholes
- 1/8" NPT ports
- Features clevis mounting ends

Stroke	Retracted length	Rod dia.	Wt. (lbs.)	ITEM	PRICE
4"	14-1/4"	5/8"	3.2	1200071	124.99
6"	16-1/4"	5/8"	3.8	1200072	129.99

**TIE ROD HYDRAULIC CYLINDERS**

- 2,500 PSI max. continuous pressure
- Features clevis mounting ends



	Stroke	Retracted length	Rod. dia.	Wt. (lbs.)	ITEM	PRICE
2" bore 3/8" NPT ports 1" dia. pinholes	6"	18-1/4"	1-1/8"	16.3	8004980	79.99
	8"	20-1/4"	1-1/8"	18.4	1210003	84.99
	12"	22-1/4"	1-1/8"	20.9	8004380	99.99
	24"	34-1/4"	1-1/8"	39.8	8004981	129.99
2-1/2" bore 3/8" NPT ports 1" dia. pinholes	6"	18-1/4"	1-1/8"	18.4	8004983	84.99
	8"	20-1/4"	1-1/8"	20.2	1210005	89.99
	12"	22-1/4"	1-1/8"	23.4	8004382	109.99
3" bore 1/2" NPT ports 1" dia. pinholes	24"	34-1/4"	1-1/8"	33.4	8004383	139.99
	8"	20-1/4"	1-1/4"	26.2	1210006	94.99
	12"	22-1/4"	1-1/4"	30.1	8004984	119.99
3-1/2" bore 1/2" NPT ports 1" dia. pinholes	24"	34-1/4"	1-1/4"	43.3	1210010	149.99
	8"	20-1/4"	1-1/4"	32.3	1210002	99.99
4" bore 1/2" NPT ports 1" dia. pinholes	8"	20-1/4"	1-1/4"	39.7	1210007	109.99



**WARNING:** FAILURE, IMPROPER SELECTION OR IMPROPER USE OF ANY HYDRAULIC PRODUCTS AND/OR SYSTEMS OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND/OR PROPERTY DAMAGE.

**SHUR-LIFT 3,000  
LOADER CYLINDERS**



- Max. continuous pressure: 3,000 PSI
- Bore: 1-1/2"
- Rod dia.: 1"
- Ports: #6 ORB
- Pinhole dia.: 3/4"
- Base/Rod pineye width: 2"



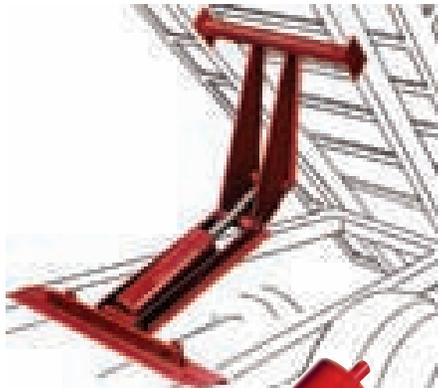
Stroke	Retracted Length	Wt. (lbs.)	ITEM	PRICE
12"	20"	10.0	8106338	119.99
16"	24"	12.0	8106353	129.99

**HYDRAULIC HOIST COMPONENTS**



**HYDRAULIC TRUCK & TRAILER HOIST WITH CYLINDER**

- Build your own truck or trailer hoist for a low cost
- Upper lift arms are equipped with telescoping brackets
- Lever style design to give max. lifting capacity
- The hoist comes complete with a 4" bore cylinder making the hoist capable of lifting 7 tons (when installed according to manufacturer's specifications)
- If heavier lifting is required a 5" bore hydraulic cylinder (item 1200079) can be used to make a 12 ton hoist



1200188 – Wt. 250.0 lbs. .... **1199<sup>99</sup>**

**HOIST CYLINDER ONLY**

- Threaded head design
- 14" stroke, 2" shaft
- 21-1/2" retracted length
- #8 ORB ports
- 1-1/4" dia. shaft end with 1/2" pinhole
- Base pineye width: 7-1/4", pinhole dia.: 1-1/4"
- 3,000 PSI max. continuous pressure
- For single lever assembly



5" BORE – 12 ton capacity  
1200079 – Wt. 58.4 lbs. .... **359<sup>99</sup>**

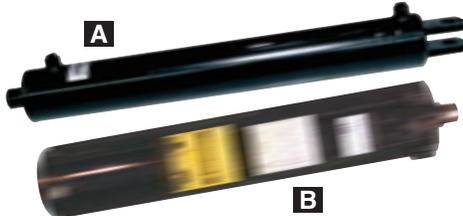


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Princess Auto provides product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change without notice.

## LOGSPLITTER CYLINDERS



- A** • Clevis mount with 1" pinhole in base end
- Shaft end has been cut down to 1-1/2" with a 3/8" drilled pinhole
- B** • Front mount with four 1/2"-13 UNC nuts
- Shaft end has 1-1/2" 12 UNF threading

- Threaded head design
- 24" stroke, 2" shaft
- #8 ORB ports
- 3,000 PSI max. continuous pressure
- Can be used as replacement on Princess Auto logsplitters or to build your own

	Bore	Force (ton) @ 3,000 PSI	Wt. (lbs.)	ITEM	PRICE
<b>A</b>	3-1/2"	14-1/2	50.7	<b>1200248</b>	<b>319.99</b>
<b>B</b>	4"	19	65.0	<b>8094815</b>	<b>349.99</b>
<b>B</b>	5"	29	85.0	<b>8094807</b>	<b>449.99</b>

## HYDRAULIC POWER PACK CYLINDER



Check out our shop presses on pages 201-203

Designed to be used with shop presses as well as a variety of lifting, spreading, bending, straightening, pushing, pulling or clamping operations.

- 50 ton capacity
  - 6" bore, 5-1/2" stroke
  - 2" shaft
  - 11-3/4" retracted height
  - 3/8" NPT ports
  - Base plate measures: 7" x 9-1/2"
  - Ram speed @ 1.6 GPM: 25.4 seconds extending 22.4 seconds retracting
  - 3,500 PSI max. continuous pressure
- 1200060** – Wt. 61.8 lbs. .... **399<sup>99</sup>**

### REPLACEMENT END CAP

**1251370** – Wt. 0.6 lbs. .... **14.99**  
Replacement seal kits available by special order.

## HYDRAULIC PRESS CYLINDER



- For building a 50 ton press
  - 6" bore, 10" stroke
  - 2" shaft
  - Base pineye width: 6-5/8", pinhole dia.: 1-1/4"
  - 3,600 PSI max. continuous pressure
- 1200083** – Wt. 80.3 lbs. .... **429<sup>99</sup>**

### REPLACEMENT END CAP

**1252444** – Wt. 1.5 lbs. .... **19.99**

## CUSTOM BUILD CYLINDER PROGRAM

Designed and Built to your Specifications  
Delivery in 10 working days\*



- 3,000 PSI max. continuous pressure
- Bore sizes from 1-1/2" to 6"
- Strokes from 2" to 48"
- Threaded head design
- O-ring boss ports for superior high pressure sealing
- A wide variety of port configurations, shaft sizes and mount types are available

### To place an order, contact:

National Call Centre: **1-800-665-8685**  
Factory Direct: **1-204-654-5232 ext. 368**  
Fax: **1-204-668-4530**  
or visit your nearest store.

\* From receipt and confirmation of order (max. 5 pieces). Not including transit time.

**CYLINDER ACCESSORIES**

**CYLINDER ENDS**



**A) CROSS TUBE**  
Drilled for 3/16" drive-in grease nipple.

Dimensions	Wt.	ITEM	PRICE
1" I.D. x 2-1/4" L	0.6	8001456	5.99
1" I.D. x 2-3/4" L	0.7	8001457	6.49
1" I.D. x 3-1/4" L	0.9	8001458	6.99
1" I.D. x 3-3/4" L	1.0	8001460	7.49
1" I.D. x 4-1/4" L	1.2	8001461	7.99
1-1/4" I.D. x 2-3/4" L*	1.5	8001469	9.99
1-1/4" I.D. x 4-3/4" L*	2.5	8001471	11.99
1-1/4" I.D. x 5-3/4" L*	3.1	8001472	12.99

\* Heavy wall

**B) MALE TANG**  
Use two to make a base end clevis.

Dimensions	Wt.	ITEM	PRICE
1" I.D. x 3/8" thick	0.4	8001473	8.49
1" I.D. x 1/2" thick	0.7	8001474	8.99
1" I.D. x 3/4" thick	1.0	8001475	9.99
1" I.D. x 1" thick	1.4	8001476	10.99

MEMBER OF  
THE FLUID  
POWER  
SOCIETY

**CYLINDER PINS**



Includes cotter and presto pin.

Dia.	Usable length	O'all length	Wt. (lbs.)	ITEM	PRICE
1/2"	2-3/4"	3-1/2"	0.2	3800449	0.99
3/4"	3-1/4"	4"	0.5	3800450	1.79
1"	2-3/4"	3-1/2"	0.8	3800487	2.49
1"	3-3/4"	4-1/2"	1.0	3800451	2.79
1"	4-1/4"	5"	1.1	3800452	2.99
1"	4-3/4"	5-1/2"	1.2	3800453	3.29
1"	5-1/4"	6"	1.3	3800454	3.49
1"	5-3/4"	6-1/2"	1.4	3800456	3.79
1-1/4"	4-1/4"	5"	1.8	3800443	4.49
1-1/4"	6-1/4"	7"	2.4	3800445	5.49
1-1/4"	7-1/4"	8"	2.8	3800446	5.99

**HYDRAULIC CYLINDER REPLACEMENT SEAL KITS**

- Contain all the seals within each cylinder
- Fits all shaft sizes

**SHUR-LIFT 3,000 KITS**

Bore	Wt. (lbs.)	ITEM	PRICE
1-1/2"	0.1	8018423	13.99
2"	0.1	8018441	16.99
2-1/2"	0.1	8018450	20.99
3"	0.2	8018478	30.99
3-1/2"	0.1	1250105	32.99
4"	0.2	1255058	33.99
5"	0.3	1255066	39.99

**SHUR-LIFT 2,500 KITS**

Bore	Wt. (lbs.)	ITEM	PRICE
1"	0.1	1250023	9.99
1-1/2"	0.1	1251123	11.99
2"	0.1	1251131	13.99
2-1/2"	0.1	1250058	18.99
3"	0.2	1250060	23.99
3-1/2"	0.2	1250061	24.99
4"	0.3	1250062	27.99

**CYLINDER BREATHERS**

- Applications include gear boxes, oil tanks and hydraulic cylinders
- 7/8" hex head
- Just a drop of oil on the screen after installation will keep dust and dirt from entering your system



Wt. 0.1 lbs.  
 1291665 – 3/8" NPT  
 1291699 – 1/2" NPT  
 1290343 – #6 ORB  
 1290344 – #8 ORB ..... **7<sup>99</sup>**

**REPLACEMENT END CAPS FOR HYDRAULIC PRESSES**



Replaces worn end cap or can be welded to customer's own dies.

Fits 30 ton press #3460052  
 on p.202  
 1250029 – Wt. 0.9 lbs. .... **24<sup>99</sup>**  
 Fits 50 ton press #3460068  
 on p.201  
 1251388 – Wt. 1.0 lbs. .... **19<sup>99</sup>**

Princess Auto is proud to offer an extensive assortment of products that carry our in-house brand – POWERFIST. We select products that combine the best balance between quality and price. Powerfist products are backed by our Royal Service Promise...

**No sale is final until you're satisfied.**

**HIGH PRESSURE PISTON PUMP**

*Williams*



Stocked in all stores west of Winnipeg.

**PRESSURES UP TO 5,000 PSI.**

This self-contained power unit is suited to a wide range of applications including hoists, presses, dump trucks etc.

Features:

- Built-in pressure relief
- High contamination tolerance
- Bi-rotational
- Double acting control valve
- 1" shaft (with 1/2" woodruff key)
- 3/8" NPT ports

Model No.	Displ. Cu. In./Rev.	Min/Max RPMs	GPM @ Max. RPM	Relief Valve Pressure Setting	Reservoir (GAL.)	Wt. (lbs.)	ITEM	PRICE
F98-4-21*	2.6	300-1,300	13.2	3,000	5.25	77.5	<b>1220045</b>	<b>899.99</b>

\* Maximum pressure on this unit can be increased to 5,000 PSI when relief valve **7120007** is installed. Available by special order. Call 1-800-665-8685 for more information.

**REPLACEMENT BREATHER CAPS**

For Williams pumps.  
**1252923** – Wt. 0.1 lbs. ....

**6<sup>99</sup>**



**PAL Hydraulic**

**UNIQUE FLUID SOLUTIONS  
POWERED BY SERVICE**

**POWER PACKS**

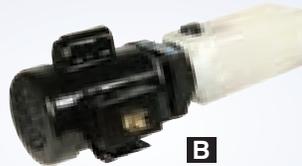
**SPX STONE**  
HYDRAULIC SYSTEMS

**ELECTRIC POWER PACKS with RESERVOIRS**

- On/off switch wired to motor
- Directional control valve is required



**A**



**B**



**C**

- Ideal for presses & compactors
- Intermittent duty cycle
- Ideal for presses & compactors
- Continuous duty
- Low pressure, high volume
- Ideal for cattle squeezes
- Continuous duty

	Volt	HP	GPM	Relief Setting	Inlet/outlet ports	Reservoir (GAL)	Duty Cycle	Wt. (lbs.)	ITEM	PRICE
<b>A</b>	208-230	2	1.29	3,000 PSI	3/8" NPT	0.75	10%	51.9	<b>1270023</b>	<b>699.99</b>
<b>B*</b>	115/ 208-230	2	4.3 0.6	up to 600 PSI 3,600 PSI	3/8" NPT	1.0	Cont	53.2	<b>1270038</b>	<b>999.99</b>
<b>C*</b>	115/230	2	4	600 PSI	3/8" NPT	7.0	Cont	67.0	<b>8098188</b>	<b>999.99</b>

\* Draws 22 amps @ 115 volts

**ELECTRIC POWER PACKS**



**D**



**E**

- On/off switch wired to motor
- Directional control valve is required
- Ideal for presses, scissor lifts, car hoists, etc.

	Volt	HP	Max. continuous pressure (PSI)	Max. continuous flow (GPM)	Inlet/Outlet ports	Wt. (lbs.)	ITEM	PRICE
<b>D</b>	115/230	2	1,700	1.9	#8 ORB	50.7	<b>8028895</b>	<b>499.99</b>
<b>E</b>	230	5	2,000	3.8	#10 ORB	60.0	<b>8020072</b>	<b>549.99</b>



**ELECTRIC POWER PACK**



- Complete with reservoir and control valve
- Ideal for presses and compactors

	Volt	HP	Max. continuous pressure (PSI)	Max. continuous flow (GPM)	Inlet/outlet ports	Reservoir (GAL)	Wt. (lbs.)	ITEM	PRICE
	115/230	2	2,200	1.75	3/8" NPT	1.75	97.4	<b>1270099</b>	<b>879.99</b>

**SINGLE-STAGE GAS POWERED HYDRAULIC POWER PACKS**

Portable hydraulic power packs for a wide variety of applications.

**6.5 HP POWERFIST**

- Max. cont. pressure: 3,000 PSI
- Max. cont. flow: 2 GPM
- Ports: #8 ORB

**8114803** – Wt. 45.8 lbs. .... **499<sup>99</sup>**



**13 HP POWERFIST**

- Max. cont. pressure: 2,300 PSI
- Max. cont. flow: 4 GPM
- Ports: #8 ORB

**8114837** – Wt. 86.0 lbs. .... **659<sup>99</sup>**



**13 HP HONDA GX\***

- Max. cont. pressure: 2,500 PSI
- Max. cont. flow: 8 GPM
- Ports: #10 ORB

**8056889** – Wt. 95.2 lbs. .... **1449<sup>99</sup>**



**2-STAGE GAS POWERED HYDRAULIC POWER PACKS**

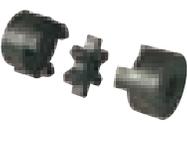


- Ideal for logsplitters, presses and trash compactors
- These power packs can be used anywhere. They have a gas engine coupled directly to a 2-stage high/low hydraulic pump

Engine	Max. PSI	GPM @ 3,600 RPM		Ports Inlet/Outlet	Wt. (lbs.)	ITEM	PRICE
		Low	High				
<b>A</b> 5 HP Honda GC	2,500	10.6	2.9	1" tube/1/2" NPT	41.3	<b>1270037</b>	<b>599.99</b>
<b>B</b> 5.5 HP Honda GX*	3,000	10.6	2.9	1" tube/1/2" NPT	48.3	<b>1270004</b>	<b>849.99</b>
<b>C</b> 6.5 HP Powerfist	2,000	10.6	2.9	1" tube/1/2" NPT	49.4	<b>8114829</b>	<b>529.99</b>
<b>B</b> 9 HP Honda GX*	3,000	16.0	4.0	1" tube/1/2" NPT	79.1	<b>1270005</b>	<b>1199.99</b>
<b>D</b> 13 HP Powerfist	2,500	22.0	6.1	1" NPTF/3/4" NPTF	99.0	<b>8114845</b>	<b>999.99</b>
<b>E</b> 13 HP Honda GX*	3,000	16.0	4.0	1" tube/1/2" NPT	95.2	<b>8117723</b>	<b>1499.99</b>

\* Engine has low oil alert and overhead valves.

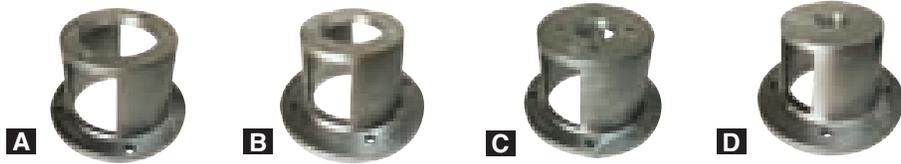
**CUSTOM BUILT POWER PACKS**

<p><b>GAS ENGINES</b></p>  <p>SEE PAGE 88-89</p>	<p><b>ELECTRIC MOTORS</b></p>  <p>SEE PAGES 79-81</p>	<p><b>SHAFT COUPLERS</b></p>  <p>SEE PAGE 93</p>	<p><b>MOUNTING BRACKETS</b></p>  <p>SEE BELOW</p>	<p><b>HYDRAULIC PUMPS</b></p>  <p>SEE PAGE 13-14</p>
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**WE CAN HELP YOU BUILD A POWER PACK TO YOUR SPECIFICATIONS.**

- Over 150 different possible power pack combinations
- Our PAL Hydraulics team members can help you make the right selection of motor/gas engine, pump mounting bracket, shaft couplers and pump to meet your flow and requirements

**PUMP MOUNTING BRACKETS**



**ELECTRIC C-FACE MOTOR BRACKETS**

	Frame Size	Pump Mount Type	Wt. (lbs.)	ITEM	PRICE
<b>A</b>	56C, 56HC	2-Bolt SAE Type A	2.4	<b>8009335</b>	<b>34.99</b>
<b>B</b>	184TC	2-Bolt SAE Type A	4.9	<b>8009353</b>	<b>49.99</b>
<b>C</b>	56C, 56HC	4-Bolt	2.6	<b>8009326</b>	<b>34.99</b>
<b>D</b>	184TC	4-Bolt	5.2	<b>8009344</b>	<b>49.99</b>



**GAS ENGINE BRACKETS**

	HP	Pump Mount Type	Wt. (lbs.)	ITEM	PRICE
<b>E</b>	5	2-Bolt SAE Type A	1.9	<b>8009308</b>	<b>39.99</b>
<b>F</b>	8-20	2-Bolt SAE Type A	3.8	<b>8001759</b>	<b>59.99</b>
<b>G</b>	5	4-Bolt	1.3	<b>2400463</b>	<b>39.99</b>
<b>H</b>	8-20	4-Bolt + SAE Type "AA"	3.8	<b>2400003</b>	<b>59.99</b>
<b>H</b>	8-20	4-Bolt	3.7	<b>8110751</b>	<b>49.99</b>



**FOOT MOUNT BRACKETS**

	Pump Mount Type	Wt. (lbs.)	ITEM	PRICE
<b>I</b>	4-Bolt	0.8	<b>8039712</b>	<b>26.99</b>
<b>J</b>	2-Bolt SAE Type A	1.7	<b>8009317</b>	<b>26.99</b>

**PUMP MOUNTING PLATE**

	Pump Mount Type	Wt. (lbs.)	ITEM	PRICE
<b>K</b>	2-Bolt SAE Type B	7.7	<b>8076028</b>	<b>34.99</b>



**HYDRAULIC POWER PACK MOUNTING PLATE**

- Create your own power pack
- Premade mounting holes for easy component mounting
- Mount any of our gas or electric power packs and hydraulic reservoirs up to 15 gallon
- Constructed from 10 gauge steel and painted gloss black

**8110728** – Wt. 34.0 lbs. .... **84<sup>99</sup>**

## 12 VDC HYDRAULIC POWER PACKS

These self-contained power packs can be used for a wide range of applications including cranes, dump boxes, tailgate lifts and farm machinery. They are extremely reliable and perform well in a wide variety of applications. Each power pack consists of a 12 VDC motor, hydraulic pump, reservoir, valving system and remote power switch.

### Specifications:

- 2.8 GPM @ 0 PSI @ 70 amps
- 1.3 GPM @ 2,500 PSI @ 260 amps
- Relief valve: preset @ 2,500 PSI, adjustable from 500 to 3,000 PSI
- Reservoir: .75 gallons

### A) REPLACEMENT REMOTE SWITCHES

For single-acting, solenoid operated power pack (8002286).

**8002439** – Wt. 1.2 lbs. .... **59<sup>99</sup>**

For double-acting, solenoid operated power pack (8106148).

**8002441** – Wt. 1.5 lbs. .... **69<sup>99</sup>**

### B) 2.5 GALLON POWER PACK RESERVOIR

Replace existing reservoir when extra oil capacity is needed.

**8002505** – Wt. 2.4 lbs. .... **89<sup>99</sup>**

### C) SINGLE-ACTING, SOLENOID OPERATED

- Use with single-acting hydraulic cylinders
- Includes remote switch with 10 ft. of cord
- Ports: 3/8" NPT

**8002286** – Wt. 35.1 lbs. .... **449<sup>99</sup>**

### D) SINGLE-ACTING, SOLENOID OPERATED

- Use with single-acting hydraulic cylinders
- 2.5 gallon reservoir
- Includes remote switch with 20 ft. cord
- Ports: 3/8" NPT

**8102501** – Wt. 32.2 lbs. .... **549<sup>99</sup>**

### E) DOUBLE-ACTING, SOLENOID OPERATED

- Use with double-acting hydraulic cylinders
- Includes remote switch with 10 ft. cord
- Ports: #6 ORB

**8106148** – Wt. 29.2 lbs. .... **549<sup>99</sup>**

**SPX STONE**  
HYDRAULIC SYSTEMS



**A**



**B**



**C**



**2.5 GALLON RESERVOIR**



**D**



**E**



## 12 VDC DUAL VALVE "SNOW PLOW" POWER PACK

### Specifications:

- 2.4 GPM @ 0 PSI @ 80 amps
- 1.3 GPM @ 1,800 PSI @ 170 amps
- Relief valve: preset @ 2,000 PSI
- Ports: 1/4" NPT
- Reservoir: 0.4 gallons
- Designed to operate all functions of a power operated angling snowplow
- The unit includes a lift-hold-lower function for the blade, with a continuous "float" capability
- A directional valve controls angling of the blade and 2 cross-over reliefs protect the system from damage should the blade become obstructed while plowing
- Includes remote switch box and 10 ft. cord

**8002291** – Wt. 43.5 lbs. ....



**899<sup>99</sup>**

**12 VDC 3-PISTON  
HYDRAULIC PISTON PUMP**

*Williams*



**PRESSURE  
UP TO 5,000 PSI**

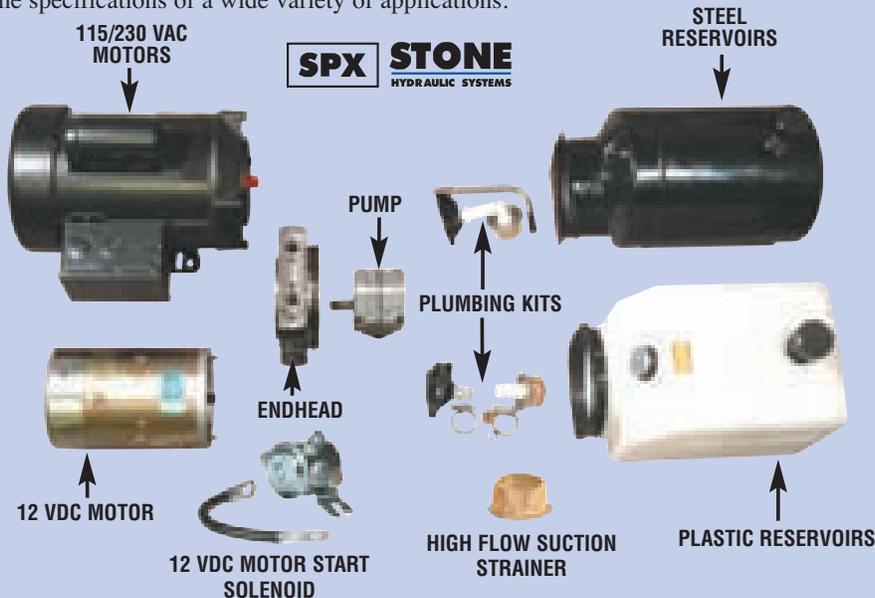
**FEATURES:**

- This self contained power pack can be used for a wide range of applications including cranes, dump boxes, tail gate lifts and farm machinery
- Double acting manually controlled
- Motor starts and stops by activating the manual valve control
- Max. continuous pressure: 5,000 PSI
- Max. continuous flow:  
1.5 GPM @ 0 PSI @ 80 amps.  
0.5 GPM @ 5,000 PSI @ 310 amps
- Relief valve: preset @ 3,000 PSI adjustable from 500 to 5,000 PSI
- Ports: 1/4" NPT
- Reservoir: 0.66 gallons

**1270093 – Wt. 49.9 lbs. .... 599<sup>99</sup>**

**SPX STONE  
POWER PACK CONVERSION COMPONENTS**

These components can be used with our existing power packs to either repair or modify them to meet the specifications of a wide variety of applications.



**DC MOTOR**

Replacement motor for single or double acting power packs.

	ITEM	PRICE
12 VDC	<b>1270041</b>	<b>179.99</b>

**AC MOTORS**

Converts a DC powerpack to AC.

HP	RPM	Volts	ITEM	PRICE
1	3,450	115/230	<b>1270042</b>	<b>499.99</b>
2	3,450	115/230	<b>1270043</b>	<b>599.99</b>

**PUMPS**

Change your power packs output flow.

Displacement (Cu.In/Rev.)	GPM @ 2,500 PSI*	ITEM	PRICE
.061	0.7	<b>1270047</b>	<b>139.99</b>
.098	1.1	<b>1270049</b>	<b>109.99</b>
.122	1.3	<b>1270050</b>	<b>109.99</b>
.305	3.1+	<b>1270054</b>	<b>149.99</b>

\*For 12 VDC power packs +@ 1,200 PSI

**ACCESSORIES**

TYPE	ITEM	PRICE
End head	<b>1270056</b>	<b>99.99</b>
12 VDC Motor Start Solenoid	<b>1270088</b>	<b>42.99</b>
High Flow Suction Strainer	<b>1270079</b>	<b>19.99</b>

**PLUMBING KITS**

Mount your power pack either horizontally or vertically.

	ITEM	PRICE
Horizontal	<b>1270077</b>	<b>29.99</b>
Vertical	<b>1270078</b>	<b>27.99</b>

**RESERVOIRS**

Add more oil capacity to your power pack.

Type	Nominal Capacity (GALLONS)	ITEM	PRICE
Plastic	2.5	<b>8002505</b>	<b>89.99</b>
Plastic	3.0	<b>1270076</b>	<b>149.99</b>
Steel	1.5	<b>1270067</b>	<b>89.99</b>
Steel	2.5	<b>1270068</b>	<b>109.99</b>
Steel	3.0	<b>1270069</b>	<b>129.99</b>

These components are available in all of our retail stores and through our mail order department.

**12 VDC ELECTROMAGNETIC CLUTCH PUMP**

**PUMP**



A compact, efficient way to provide a source of hydraulic power for most trucks and off-road vehicles. Typical applications are snow removal equipment, grain augers and conveyors, tow trucks, salt and de-icer spreaders, and whenever hydraulic power is needed.

**Features:**

- High strength alloy steel gear and shaft set
- Pressure balanced wear plates maintain high pump efficiency throughout all operating ranges
- Doweled, high strength, 3-piece cast iron construction

**Specifications:**

- Mounting type: SAE Type "A" bracket with pad mount
- Rotation: clockwise
- Ports (rear and side): #20 ORB inlet, #12 ORB outlet
- Max. speed: 3,000 RPM

**10 GPM @ 1,000 RPM @ 2,500 PSI**  
 8045783 – Wt. 33.6 lbs. .... **379<sup>99</sup>**

**CLUTCH**



- Turn on the clutch to engage, turn off to disengage
- Static breakaway torque of 90 ft.-lbs.
- Clutch draws 3.9 amps when engaged
- Solid forged rotor to maximize torque and prevent internal parts separation
- Forged machined pulley resists damage from abusive environments
- Wherever possible all clutch parts are e-coated to protect against corrosion

*Voltage must not drop below 12 VDC or clutch will slip and become damaged.*

**V-BELT AA GROOVE**  
 8045734 – Wt. 8.4 lbs. .... **199<sup>99</sup>**

**HYDRAULIC PUMPS**



**RONZIO**

**RONZIO HYDRAULIC GEAR PUMPS**

Features	Benefits
High speed	Direct drive from gas engine
Reversible	Useful for more than one application

- 3/4" shaft with keyway
- CW rotation is reversible with minor changes to pump configuration (instructions included)
- Pump has SAE type "A" 2-bolt flange
- Cast iron end caps and steel gears with an aluminum gear housing



Model #	Displ. (Cu. In. /Rev)	Pressure (PSI)		Max. GPM	RPM		In/Out Port Sizes(ORB)	Wt. (lbs.)	ITEM	PRICE
		Max. Cont.	Peak*		Min.	Max.				
PZ2CG04	0.269	4,350	5,220	6.40	1,000	5,500	10/10	8.3	8025102	209.99
PZ2CG06	0.384	4,350	5,220	9.14	700	5,500	10/10	8.0	8025111	214.99
PZ2CG08	0.498	4,350	5,220	10.13	550	4,700	10/10	8.7	8025120	219.99
PZ2CG11	0.69	4,350	5,220	11.95	450	4,000	10/10	9.3	8025139	224.99
PZ2CG14	0.882	4,350	5,220	12.60	400	3,300	10/10	9.8	8025148	229.99
PZ2CG17	1.03	3,910	4,780	13.38	350	3,000	12/10	9.5	8025166	239.99
PZ2CG20	1.23	3,330	4,200	15.97	300	3,000	12/10	10.3	8025175	249.99
PZ2CG25	1.57	2,610	3,330	20.39	250	3,000	12/10	10.7	8025184	259.99
PZ2CG31	1.92	2,320	2,900	22.44	200	2,700	12/10	11.2	8025193	269.99

\*At a 5% duty cycle.

**PUMP TO MOTOR CONVERSION KIT**

**RONZIO**



Converts pumps listed above to unidirectional motors.  
 8003893 – Wt. 0.1 lbs. ....

**24<sup>99</sup>**

## PRINCE HYDRAULIC GEAR PUMPS



Features	Benefits
Non-symmetrical gears	Increased flow capacity, quieter running
PTFE composite bearings	Handle heavy loads, low shaft speeds and high levels of contamination

- 7/8" shaft with keyway
- Pump has SAE type "B" 2-bolt flange
- Aluminum housing with steel gears

Model #	Displ. (Cu. In./Rev.)	Max. Cont. Pressure	Max. GPM	Max. RPM	In/Out Port Sizes (ORB)	Rotation	Wt. (lbs.)	ITEM	PRICE
SP25A44..R	2.697	3,000	33.61	3,000	#20/#16	CW	14.0	8006587	289.99
SP25A44..L	2.697	3,000	33.61	3,000	#20/#16	CCW	14.1	8006589	289.99
SP25A52..R	3.179	2,500	39.63	3,000	#20/#16	CW	15.0	8006590	299.99
SP25A52..L	3.179	2,500	39.63	3,000	#20/#16	CCW	15.0	8006591	299.99

## HALDEX 2-STAGE PUMPS

IDEAL FOR LOGSPLITTERS, PRESSES, & TRASH COMPACTORS



- Shaft: 1/2" dia. x 1-1/2" long (5/8" dia. on **1222173**)
- Mount: 4-bolt (2-bolt SAE on **1222173**)
- Ports: 1" tube inlet (1" NPTF on **1222173**), 1/2" NPTF outlet (3/4" NPTF on **1222173**)
- Rotation: clockwise
- Max. continuous pressure: 3,000 PSI
- Adjustable unloader range: 400 to 900 PSI (400 to 700 PSI on **1222173**), set @ 650 PSI
- 500 to 4,000 RPM range

	Low Pressure Gear Displacement	High Pressure Gear Displacement	Low Pressure Flow	High Pressure Flow	HP Required	Wt. (lbs.)	ITEM	PRICE
<b>A</b>	0.517 cu.in.	0.194 cu.in.	10.6 GPM	2.9 GPM	5 HP	8.4	1221118	199.99
<b>A</b>	0.776 cu. in.	0.258 cu. in.	16.0 GPM	4.0 GPM	8 HP	9.4	1221555	219.99
<b>B</b>	0.930 cu. in.	0.465 cu.in.	22.0 GPM	6.1 GPM	16 HP	19.0	1222173	499.99

## HYDRAULIC PUMPS/MOTORS



- These compact pumps/motors are built with cast iron bodies and hardened steel gears
- Suitable for use in agriculture, construction, and material handling
- Bi-rotational, 1/2" shaft, 1-1/2" long, 4-bolt flange with 1.78" pilot flange
- #4 ORB case drain port must be returned to tank when used as a motor if the return line pressure exceeds 50 PSI
- Can be belt driven with a max. sideload of 150 lbs.
- Max. RPM: Pump 4,000 RPM/Motor 5,500 RPM

Displacement (cu. in./rev)	Pressure Rating		Flow		Port Size (ORB)	Wt. (lbs.)	ITEM	PRICE
	Continuous (PSI)	Intermittent (PSI)	@ 1,800 RPM (GPM)	@ 3,600 RPM (GPM)				
0.129	3,000	4,000	1.0	2.0	8	4.6	1220030	194.99
0.258	2,300	4,000	2.0	4.0	8	4.6	1220031	199.99
0.388	1,600	2,500	3.0	6.0	10	5.5	1220032	204.99
0.517	1,200	2,000	4.0	8.0	10	5.5	1220033	209.99

## P.T.O. PUMPS



Ideal for use with front end loaders on tractors without integral hydraulics, landscape equipment and backhoes. Slips onto tractor P.T.O. shaft, no gearbox required.

- High tensile cast iron end plates and aluminum centre gear housing
- Self-adjusting wear plates on both sides of the gears offset wear and expansion
- #16 ORB inlet and #12 ORB outlet ports
- 1-3/8" dia., 6-tooth internal splined drive shaft
- Standard speed: 540 RPM for 6-tooth shaft, max. 600 RPM

Displacement	Max. PSI	Flow @ 540 RPM @ 2,000 PSI	Wt. (lbs.)	ITEM	PRICE
5.7 cu. in./rev.	2,250	11.4 GPM	35.9	8005268	679.99
9.9 cu. in./rev.	2,250	21 GPM	40.0	8005213	729.99

**GEROTOR MOTOR**

- Compact and lightweight
- High speed
- Bi-rotational
- Shaft dia.: 9/16"
- Ports: #10 ORB
- Max. speed: 5,000 RPM



Model #	Displ. (Cu. in./Rev.)	Max. Cont. Pressure (PSI)	Flow (GPM) Required per 1,000 RPM	Max. Torque (in.-lbs.)	Shaft Side Load* (lbs.)	Wt. (lbs.)	ITEM	PRICE
MGG20025	0.580	2,000	2.51	184	70	2.8	1220383	259.99

\* Maximum permissible shaft side load @ 2,500 RPM and 1,000 PSI.

**HYDRAULIC ORBIT MOTORS**



DANFOSS MOTORS offer superior performance in a wide range of applications: agriculture, forestry, mining, construction, and marine.

**Features:**

- Instantly reversible
- 1" shafts, 1/2" NPT ports
- Max. continuous flow: 16 GPM (except for models with 3 cu. in./rev. displ., which are 12 GPM)
- 3-year manufacturer's warranty

(For Danfoss to Char-Lynn interchangeability, please contact your nearest store.)



Model #	Displ. (Cu. In./Rev.)	Max. Cont. Pressure (PSI)	Max. Speed (RPM)	Max. Torque (in.-lbs.)	Wt. (lbs.)	ITEM	PRICE
<b>4-BOLT MOUNT</b>							
151-2121	3.0	1,800	930	700	10.5	1220565	199.99
151-2122	4.8	1,800	780	1,110	10.9	1220573	209.99
151-2123	5.9	1,800	620	1,400	11.2	1220581	219.99
151-2125	9.5	1,700	390	2,080	11.8	1220599	239.99
151-2126	11.8	1,500	310	2,360	12.4	1220607	249.99
151-2127	14.8	1,400	250	2,700	12.8	1220008	259.99
151-2128	18.7	1,300	200	3,140	13.5	1220014	299.99
151-2129	23.8	1,200	155	3,630	14.4	1220631	319.99

<b>2-BOLT MOUNT</b>							
151-2081	3.0	1,800	930	700	11.1	1220649	199.99
151-2082	4.8	1,800	780	1,110	11.5	1220656	209.99
151-2083	5.9	1,800	625	1,400	11.7	1220672	219.99
151-2085	9.5	1,650	385	2,020	12.4	1220680	239.99

**HIGHER TORQUE, HIGHER PRESSURE**

The DANFOSS OMS Series Disc Valve Motor is truly a high torque, low speed hydraulic motor. Ideal for rock pickers, windrowers, and many other applications.



**Features:**

- Instantly reversible
- 1-1/4" shaft, #10 ORB ports
- Max. continuous flow: 20 GPM
- #4 ORB case drain port\*

\*Should be used when more than 1 motor are connected in series.



Model #	Displ. (Cu. In./Rev.)	Max. Cont. Pressure (PSI)	Max. Speed (RPM)	Max. Torque (in.-lbs.)	Wt. (lbs.)	ITEM	PRICE
OMS315	19.2	2,030	240	6,206	27.6	1220022	499.99