



Hydraulics

Industrial Pump/Motor



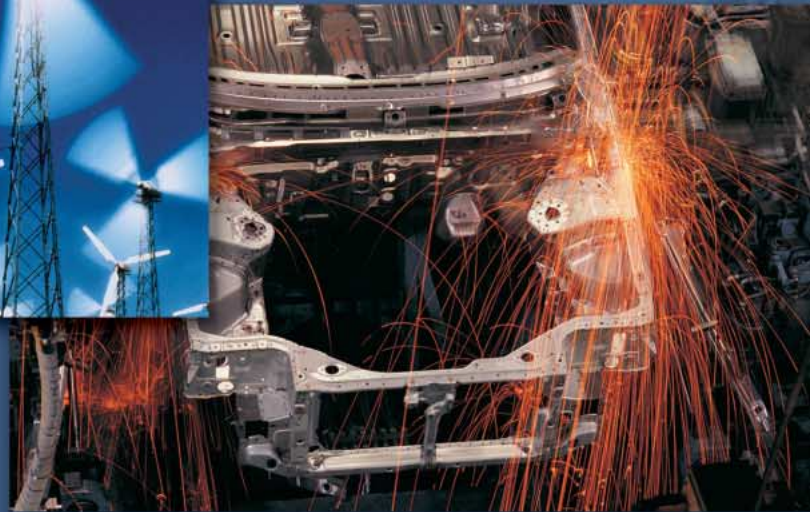
Driven Options Program

Parker Hannifin Corporation

Parker is the leading global manufacturer of components and systems designed to control motion, flow and pressure in all types of machinery.

Parker Hannifin is a Fortune 300 corporation listed on the New York Stock Exchange as PH.

anything  **Possible.™**



The Parker Hannifin Piston Pump Plant is located in Otsego, Michigan and is part of the Pump Motor Division of the Hydraulics Group. At this location, the industry's best team of application, engineering and manufacturing people focus on piston pumps, motors and power units.

The Pump Motor Division successfully competes in mobile, industrial and truck markets with product offerings designed and manufactured to meet the demanding requirements that are associated with hydraulic applications. The world's largest motion and control company, with field sales, technical support and distribution located throughout the world, support Otsego's products.

Most recently, Parker introduced the industry's first totally redesigned and re-engineered piston pump produced in the last 15 years. Parker responded to customer demands for greater speed, improved performance, less noise and more flexibility. Using advanced processes and extensive data mining, Parker gathered a team of application and engineering experts from around the world and challenged them to develop the next quantum leap in piston pump technology. Parker's P2/P3/PE piston pump line is the result of the team's efforts and represents the new standard in piston pumps, providing improved performance, on-time delivery and zero defects.

The success of the P2/P3/PE program clearly demonstrates the results attainable when an organization is "Driven" to provide the best products and services to its customers. At Parker Otsego, *DRIVEN* has become the foundation of a new order. From product design, engineering, application, manufacturing and now, the "*DRIVEN* Options Program."

Driven Options Program

DRIVEN PARKER HYDRAULIC PISTON PUMPS

Parker Hannifin is DRIVEN to be the best hydraulic supplier in the industry.

We are DRIVEN to provide the best products.

We are DRIVEN to provide the best service.

We are DRIVEN to provide the best value.

We are DRIVEN to be your first choice.

DRIVEN Options Program

Traditionally, piston pumps and motors are configurable products. A model ordering code that allows customers to specify individual product features generates part numbers. The combinations are extensive, but can be matched to meet any specification. Unfortunately, because of the countless configurations, lead times and price are often the trade-offs.

After extensive research, Parker determined that a large number of configurations were common to a growing number of requested products. This led to the development of the *DRIVEN* Options Program. Here, Parker has taken its leading product series and identified, using *DRIVEN* 1, 2 or 3, the most popular configurations.

DRIVEN Models Equal DRIVEN Value

Orders using the specific *DRIVEN* Model Codes will benefit with faster delivery, shorter lead times and better prices.

The *DRIVEN* models have unique, easy to remember, ordering codes. The *DRIVEN* code is specified on the order and is used to identify the product on the nameplate. A handy cross reference to the equivalent, complete model description is included in this brochure.

Example of DRIVEN Model Code:

PE060 R-DRIVEN1

Pump Series _____
Direction of Rotation _____
DRIVEN Configuration _____
1-*SAE* Keyed Shaft, Maximum
Pressure Limiter Control

Remember, if the Options Program does not meet your specific needs, Parker's full pump motor line is available for your consideration. Full line catalogs with model ordering codes are available on the CD-ROM that accompanies this brochure.

Parker's *DRIVEN* Options Program is the latest example of the value programming that you have come to expect from Parker. To learn more about this program, or to obtain additional information on any Pump Motor products, call 877-610-3797 or visit parker.com/pumpmotor.

Driven Piston Pumps

PVP



PVP Piston Pumps are ideal for medium duty industrial applications with operating pressure up to 3600 PSI. These service friendly pumps are quiet and respond quickly to flow demand changes.

Driven Pump Performance Information

Model Series	Displacement	Maximum Outlet Pressure	Rated Drive Speed	At 1800 RPM and 3600 PSI	
				Flow	Input Horsepower
PVP16	16 cc/r	3600 PSI	3000 RPM	8 GPM	18 HP
PVP23	23 cc/r	3600 PSI	3000 RPM	11 GPM	27 HP
PVP33	33 cc/r	3600 PSI	3000 RPM	15 GPM	37 HP
PVP41	41 cc/r	3600 PSI	2400 RPM	19 GPM	45 HP
PVP48	48 cc/r	3600 PSI	2400 RPM	23 GPM	54 HP

Driven Model Selection

DRIVEN Model	Rotation	Mounting	Shaft	Ports	Pump Control Type
PVP16R-DRIVEN1	CW	SAE A 2 Bolt	SAE A Keyed	Rear, Str Thrd	Remote Pressure Limiter
PVP23R-DRIVEN1	CW	SAE B 2 Bolt	SAE B Keyed	Rear, Str Thrd	Remote Pressure Limiter
PVP33R-DRIVEN1	CW	SAE B 2 Bolt	SAE B Keyed	Rear, Str Thrd	Remote Pressure Limiter
PVP41R-DRIVEN1	CW	SAE B 2 Bolt	SAE B Keyed	Rear, Str Thrd	Remote Pressure Limiter
PVP48R-DRIVEN1	CW	SAE B 2 Bolt	SAE B Keyed	Rear, Str Thrd	Remote Pressure Limiter

Driven Pump Ordering Information

DRIVEN Order Code	Similar Model	List Price	Leadtime Information
			1-2 pcs
PVP16R-DRIVEN1	PVP1636R2M	\$1,320.00	5 Days
PVP23R-DRIVEN1	PVP2336R2M	\$1,400.00	5 Days
PVP33R-DRIVEN1	PVP3336R2M	\$1,470.00	5 Days
PVP41R-DRIVEN1	PVP4136R2M	\$1,675.00	5 Days
PVP48R-DRIVEN1	PVP4836R2M	\$1,700.00	5 Days

Driven prices effective July 1, 2004; Standard HPM discounts apply

Driven Piston Pumps

PE



PE Piston Pumps are ideal for demanding industrial applications with operating pressure up to 4600 PSI. These high performance pumps were designed for industrial applications that need low noise, fast response and long life.

Driven Pump Performance Information

Model Series	Displacement	Maximum Outlet Pressure	Rated Drive Speed	At 1800 RPM and 4600 PSI	
				Flow	Input Horsepower
PE060R-DRIVEN1	60 cc/r	4600 PSI	2800 RPM	28 GPM	83 HP
PE075R-DRIVEN1	75 cc/r	4600 PSI	2500 RPM	33 GPM	97 HP
PE105R-DRIVEN1	105 cc/r	4600 PSI	2300 RPM	48 GPM	140 HP
PE145R-DRIVEN1	145 cc/r	4600 PSI	2200 RPM	36 GPM	188 HP
PE145R-DRIVEN2	145 cc/r	4600 PSI	2200 RPM	53 GPM	188 HP

Driven Model Selection

DRIVEN Model	Rotation	Mounting	Shaft	Ports	Pump Control Type
PE060R-DRIVEN1	CW	SAE C 4 Bolt	SAE C Key	Side, Flange	Maximum Pressure Control
PE075R-DRIVEN1	CW	SAE C 2/4 Bolt	SAE C Key	Side, Flange	Maximum Pressure Control
PE105R-DRIVEN1	CW	SAE C 2/4 Bolt	SAE C Key	Side, Flange	Maximum Pressure Control
PE145R-DRIVEN1	CW	SAE C 2 Bolt	SAE C Key	Side, Flange	Maximum Pressure Control
PE145R-DRIVEN2	CW	SAE D 4 Bolt	SAE D Spline	Side, Flange	Maximum Pressure Control

Driven Pump Ordering Information

DRIVEN Order Code	Similar Model	List Price	Leadtime Information
			1-2 pcs
PE060R-DRIVEN1	PE060R00C5C25PA00N00S1A1U	\$1,910.00	5 Days
PE075R-DRIVEN1	PE075R00C5C25PA00N00S1A1U	\$2,152.00	5 Days
PE105R-DRIVEN1	PE105R00C5C25PA00N00S1A1U	\$3,256.00	5 Days
PE145R-DRIVEN1	PE145R00C5C25PA00N00S1A1U	\$4,475.00	5 Days
PE145R-DRIVEN2	PE145R00D3D25PA00N00S1A1U	\$4,475.00	5 Days

Driven prices effective July 1, 2004; Standard HPM discounts apply

Driven Piston Pumps

PV



PV Piston Pumps are ideal for heavy duty industrial applications with operating pressure up to 5000 PSI. These pumps respond quickly to system demands and, with the use of “ripple chamber” technology, are some of the quietest piston pumps available.

Driven Pump Performance Information

Model Series	Displacement	Maximum Outlet Pressure	Rated Drive Speed	Pump Flow 1800 RPM & 100 PSI	Input Horsepower 1800 RPM & 5000 PSI
PV016R-DRIVEN1	16 cc/r	5000 PSI	3000 RPM	8 GPM	25 HP
PV020R-DRIVEN1	20 cc/r	5000 PSI	3000 RPM	9.5 GPM	31 HP
PV023R-DRIVEN1	23 cc/r	5000 PSI	3000 RPM	11 GPM	34 HP
PV032R-DRIVEN1	32 cc/r	5000 PSI	2800 RPM	15 GPM	47 HP
PV040R-DRIVEN1	40 cc/r	5000 PSI	2800 RPM	19 GPM	62 HP
PV046R-DRIVEN1	46 cc/r	5000 PSI	2800 RPM	22 GPM	67 HP
PV063R-DRIVEN1	63 cc/r	5000 PSI	2800 RPM	30 GPM	94 HP
PV080R-DRIVEN1	80 cc/r	5000 PSI	2500 RPM	38 GPM	120 HP
PV092R-DRIVEN1	92 cc/r	5000 PSI	2300 RPM	44 GPM	184 HP
PV140R-DRIVEN1	140 cc/r	5000 PSI	2400 RPM	67 GPM	200 HP
PV180R-DRIVEN1	180 cc/r	5000 PSI	2200 RPM	86 GPM	282 HP
PV270R-DRIVEN1	270 cc/r	5000 PSI	1800 RPM	128 GPM	400 HP

Driven Model Selection

DRIVEN Model	Rotation	Mounting	Shaft	Ports	Pump Control Type
PV016R-DRIVEN1	CW	SAE B 4 Bolt	SAE BB Keyed	Side, Flange	Maximum Pressure Control
PV020R-DRIVEN1	CW	SAE B 4 Bolt	SAE BB Keyed	Side, Flange	Maximum Pressure Control
PV023R-DRIVEN1	CW	SAE B 4 Bolt	SAE BB Keyed	Side, Flange	Maximum Pressure Control
PV032R-DRIVEN1	CW	SAE C 4 Bolt	SAE C Keyed	Side, Flange	Maximum Pressure Control
PV040R-DRIVEN1	CW	SAE C 4 Bolt	SAE C Keyed	Side, Flange	Maximum Pressure Control
PV046R-DRIVEN1	CW	SAE C 4 Bolt	SAE C Keyed	Side, Flange	Maximum Pressure Control
PV063R-DRIVEN1	CW	SAE D 4 Bolt	SAE D Keyed	Side, Flange	Maximum Pressure Control
PV080R-DRIVEN1	CW	SAE D 4 Bolt	SAE D Keyed	Side, Flange	Maximum Pressure Control
PV092R-DRIVEN1	CW	SAE D 4 Bolt	SAE D Keyed	Side, Flange	Maximum Pressure Control
PV140R-DRIVEN1	CW	SAE D 4 Bolt	SAE F Keyed	Side, Flange	Maximum Pressure Control
PV180R-DRIVEN1	CW	SAE D 4 Bolt	SAE F Keyed	Side, Flange	Maximum Pressure Control
PV270R-DRIVEN1	CW	SAE E 4 Bolt	SAE F Keyed	Side, Flange	Maximum Pressure Control

Driven Piston Pumps

PV continued

Driven Pump Ordering Information

DRIVEN Order Code	Similar Model	List Price	Leadtime Information 1-2 pcs
PV016R-DRIVEN1	PV016R1D3T1NFWS	\$3,149.00	5 Days
PV020R-DRIVEN1	PV020R1D3T1NFWS	\$3,197.00	5 Days
PV023R-DRIVEN1	PV023R1D3T1NFWS	\$3,234.00	5 Days
PV032R-DRIVEN1	PV032R1D3T1NFWS	\$3,761.00	5 Days
PV040R-DRIVEN1	PV040R1D3T1NFWS	\$3,859.00	5 Days
PV046R-DRIVEN1	PV046R1D3T1NFWS	\$3,962.00	5 Days
PV063R-DRIVEN1	PV063R1D3T1NFWS	\$5,142.00	5 Days
PV080R-DRIVEN1	PV080R1D3T1NFWS	\$5,281.00	5 Days
PV092R-DRIVEN1	PV092R1D3T1NFWS	\$5,419.00	5 Days
PV140R-DRIVEN1	PV140R1D3T1NFWS	\$9,602.00	5 Days
PV180R-DRIVEN1	PV180R1D3T1NFWS	\$10,953.00	5 Days
PV270R-DRIVEN1	PV270R1D3T1NFWS	\$13,044.00	5 Days

Driven prices effective July 1, 2004; Standard HPM discounts apply

Driven Piston Pumps

PAVC



PAVC Piston Pumps are ideal for many industrial applications with operating pressure up to 3000 PSI. These compact pumps feature convenient cartridge style controls and carry a full pressure rating on most water glycol fluids.

Driven Pump Performance Information

Model Series	Maximum Displacement	Rated Outlet Pressure	Drive Speed	At 1800 RPM and 3000 PSI	
				Flow	Input Horsepower
PAVC33	33 cc/r	3000 PSI	3000 RPM	16 GPM	29 HP
PAVC38	38 cc/r	3000 PSI	3000 RPM	18 GPM	33 HP
PAVC65	65 cc/r	3000 PSI	3000 RPM	31 GPM	58 HP
PAVC100	100 cc/r	3000 PSI	2600 RPM	47 GPM	96 HP

Driven Model Selection

DRIVEN Model	Rotation	Mounting	Shaft	Inlet/Outlet Ports	Pump Control Type
PAVC33R-DRIVEN1	CW	SAE B 2 Bolt	SAE B Keyed	Straight Thread	Pressure Limiter
PAVC38R-DRIVEN1	CW	SAE B 2 Bolt	SAE B Keyed	Straight Thread	Pressure Limiter
PAVC65R-DRIVEN1	CW	SAE C 2 Bolt	SAE C Keyed	Straight Thread	Pressure Limiter
PAVC100R-DRIVEN1	CW	SAE C 2 Bolt	SAE C Keyed	Straight Thread	Pressure Limiter

Driven Pump Ordering Information

DRIVEN Order Code	Similar Model	List Price	Leadtime Information 1-2 pcs
PAVC33R-DRIVEN1	PAVC33R42	\$1,375.00	5 Days
PAVC38R-DRIVEN1	PAVC38R42	\$1,481.00	5 Days
PAVC65R-DRIVEN1	PAVC65R42	\$2,180.00	5 Days
PAVC100R-DRIVEN1	PAVC100R42	\$2,950.00	5 Days

Driven prices effective July 1, 2004; Standard HPM discounts apply

D/H/V-Pak



D/H/V-Pak style power units are ideal for many industrial applications. These space saving vertical style units are available with gear or piston pumps and are designed for quiet and leak-free operation. Standard Parker filtration on each unit will help ensure a long service life.

Driven Power Unit Selection and Performance

DRIVEN Model	Reservoir Size	Filter (10 Micron)	Motor Horsepower	Pump Flow at 1800 RPM	Maximum Pressure (PSI)
Dpak-DRIVEN1	5 Gallon	12AT	2	0.9	3000
Dpak-DRIVEN2	5 Gallon	12AT	3	1.8	2600
Hpak-DRIVEN1	10 Gallon	12AT	5	2.7	2900
Hpak-DRIVEN2	20 Gallon	12AT	10	4.5	3000
Vpak-DRIVEN1	20 Gallon	12AT	15	7	3000
Vpak-DRIVEN2	30 Gallon	40CN	20	15	2100
Vpak-DRIVEN3	80 Gallon	40CN	40	23	2800
Vpak-DRIVEN4	80 Gallon	40CN	40	36	1600

Driven Power Unit Ordering Information

DRIVEN Order Code	Similar Model	List Price	Leadtime Information 1-2 pcs
Dpak-DRIVEN1	D50.9GS3PKO	\$2,041.00	5 Days
Dpak-DRIVEN2	D51.8KS3PKO	\$2,055.00	5 Days
Hpak-DRIVEN1	H12.7LS3PKO	\$2,727.00	5 Days
Hpak-DRIVEN2	H24.5NS3PKO	\$3,202.00	5 Days
Vpak-DRIVEN1	V27PM33PKO	\$4,681.00	5 Days
Vpak-DRIVEN2	V315SM33PKN	\$5,732.00	5 Days
Vpak-DRIVEN3	V823VM53PKN	\$6,411.00	5 Days
Vpak-DRIVEN4	V836VM53PKN	\$8,791.00	5 Days

Driven prices effective July 1, 2004; Standard HPM discounts apply

Notes



WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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To View the CD

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- **Warning/Offer of Sale** takes you to these legal documents.
- **Getting Started** provides a summary of how to navigate using Acrobat Reader.

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