



MULTISTAGE CENTRIFUGAL PUMP

HPS COBALT SERIES™

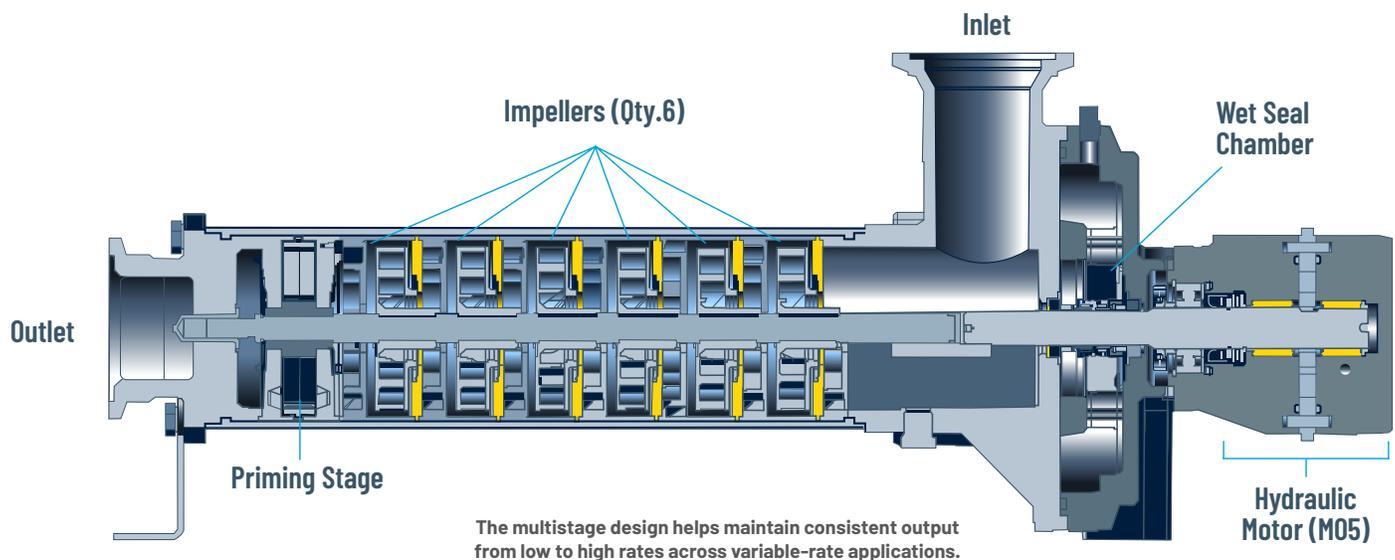
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PENTAIR® HYPRO® HPS COBALT SERIES CENTRIFUGAL PUMP

Dependable. Versatile. Easy to Maintain.

The HPS Cobalt Series Pump is a high-quality multistage centrifugal pump that combines the benefits of a positive displacement pump with the reliability and convenience of a centrifugal pump to provide consistent output across low to high application rates. Designed to help optimize performance for small to medium-sized equipment for applications requiring higher maximum operating pressures. The HPS Cobalt Series is well-suited for agricultural and industrial spraying with a variety of fluids (water, insecticides, herbicides, wettable powders, emulsives and liquid fertilizers).



Features & Benefits:

- ◆ The versatile multistage centrifugal pump is equipped with wet seal dry-run protection to better endure tough conditions and help prevent chemical and fertilizer bonding failures.
- ◆ Mechanical seal utilizes silicon carbide materials for excellent abrasive handling.
- ◆ Stainless steel components and engineered polymer impellers offer corrosion and abrasion resistance.

Gas-Driven Model Features:

- ◆ 15-stage impeller stack to produce high pressures while helping to maintain a constant flow rate.

Hydraulically Driven Model Features:

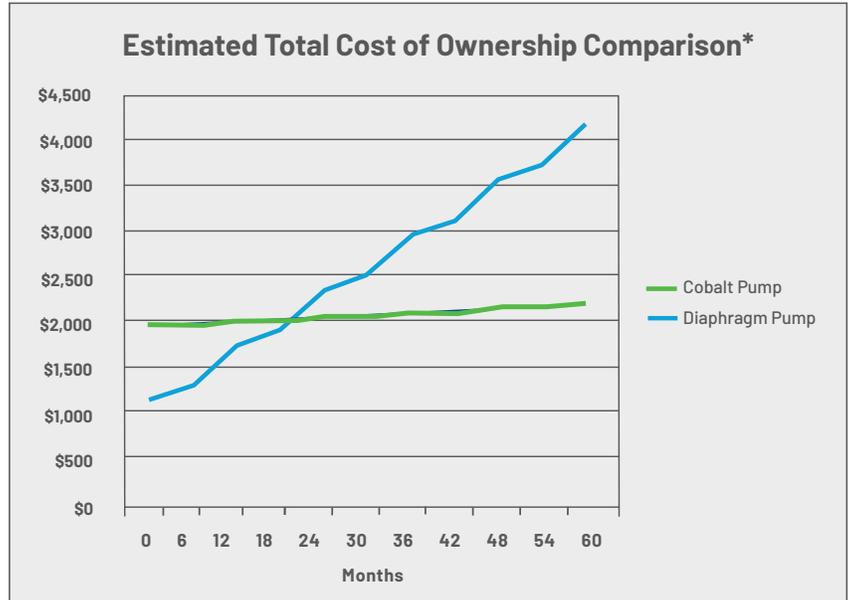
- ◆ Patented internal self-priming technology reduces ancillary equipment requirements.
- ◆ Hydraulic drive utilizes Hypro M05 motor, designed and manufactured in New Brighton, Minnesota, USA.

A SMART CHOICE FOR LOW MAINTENANCE AND LONG-TERM COST SAVINGS

Reliable, all-season-long endurance for various high-pressure application needs.

The HPS Cobalt Series pump is the clear choice for any operation that values productivity and cost-effectiveness. The data on your right show that users can expect to spend significantly less on pump maintenance over a 5-year lifecycle with the HPS Cobalt Series compared to a diaphragm pump.* With its versatile multistage centrifugal design, this pump can handle a range of high to low-pressure applications, making it an ideal solution for multiple uses throughout the year. Owning a Cobalt pump presents more opportunity for significant cost savings over time compared to the frequent costs of maintaining some diaphragm pumps.

*Based on Pentair Hypro 9910 Series Diaphragm Pumps. Price calculation includes Pentair Hypro 9910 Series Repair Kits and estimated cost of labor based on manufacturers' recommended maintenance schedules.



Dependable

Cobalt Series users will spend an estimated 53% less on pump maintenance than a diaphragm pump owner throughout a 5-year lifecycle.* This does not factor in the downtime required to decommission the pump for service or the revenue lost from equipment repair downtime.



Versatile

This multistage centrifugal pump is highly versatile and can handle high- to low-pressure applications. Whether used for boom spraying one season or high-pressure spraying on a hose reel in the next, this pump can be a great solution for multiple uses throughout your demanding year.



Easy to Maintain

By choosing the HPS Cobalt Series, users can enjoy significant cost savings over time compared to the frequent maintenance and replacement costs associated with a diaphragm pump.* Even after 24 months of ownership, the Cobalt Pump maintenance and operation costs remain minimal, making it a smart and cost-effective choice for your operation.

UPGRADE YOUR SPRAY OPERATION WITH THE HPS COBALT SERIES

Select the model that best meets your unique application needs.

ORDERING INFORMATION

| MODEL NUMBER | MAX HYD GPM | MAX HYD LPM | INLET MAX HYD PSI (BAR) | OUTLET MAX HYD PSI (BAR) | MAX FLOW RATE GPM (LPM) | MAX PRESSURE PSI (BAR) |
|------------------|-------------|-------------|-------------------------|--------------------------|-------------------------|------------------------|
| 93HPS114-M05 | 7 | 26 | 2500 (172) | 100 (6.9) | 57 (216) | 200 (13.7) |
| 93HPS114-M05Y* | 7 | 26 | 2500 (172) | 100 (6.9) | 57 (216) | 200 (13.7) |
| 93HPS114-M05-SP | 7 | 26 | 2500 (172) | 100 (6.9) | 47 (178) | 200 (13.7) |
| 15HPS76-1314-X** | | | | | 30 (113.6) | 250 (17.2) |

* Model includes case drain hydraulic motor and speed sensor.

** Model is meant to be mounted on a gas engine (3/4" keyed shaft).

PERFORMANCE DATA: MODELS 93HPS114-M05, 93HPS114-M05Y

U.S. UNITS

| Hyd Flow GPM | GPM at 10 PSI | GPM at 20 PSI | GPM at 30 PSI | GPM at 40 PSI | GPM at 50 PSI | GPM at 60 PSI | GPM at 70 PSI | GPM at 80 PSI | GPM at 90 PSI | GPM at 100 PSI | GPM at 110 PSI | GPM at 120 PSI | GPM at 130 PSI | GPM at 140 PSI |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| 4 | 34 | 32 | 29 | 26 | 22 | 16 | | | | | | | | |
| 5 | 42 | 41 | 39 | 36 | 34 | 32 | 28 | 24 | 20 | 14 | | | | |
| 6 | 50 | 49 | 48 | 46 | 44 | 42 | 39 | 37 | 34 | 32 | 28 | 25 | 19 | 10 |
| 7 | 57 | 55 | 53 | 52 | 50 | 48 | 46 | 45 | 42 | 40 | 38 | 36 | 33 | 30 |

METRIC UNITS

| Hyd Flow LPM | LPM at 0.7 BAR | LPM at 1.4 BAR | LPM at 2.1 BAR | LPM at 2.8 BAR | LPM at 3.4 BAR | LPM at 4.1 BAR | LPM at 4.8 BAR | LPM at 5.5 BAR | LPM at 6.2 BAR | LPM at 6.9 BAR | LPM at 7.6 BAR | LPM at 8.3 BAR | LPM at 9.0 BAR | LPM at 9.7 BAR |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 15.1 | 129 | 121 | 110 | 98 | 83 | 61 | | | | | | | | |
| 18.9 | 159 | 155 | 148 | 136 | 129 | 121 | 106 | 91 | 76 | 53 | | | | |
| 22.7 | 189 | 185 | 182 | 174 | 167 | 159 | 148 | 140 | 129 | 121 | 106 | 95 | 72 | 38 |
| 26.5 | 216 | 208 | 201 | 197 | 189 | 182 | 174 | 170 | 159 | 151 | 144 | 136 | 125 | 114 |

PERFORMANCE DATA: MODEL 93HPS114-M05-SP

U.S. UNITS

| Hyd Flow GPM | GPM at 10 PSI | GPM at 20 PSI | GPM at 30 PSI | GPM at 40 PSI | GPM at 50 PSI | GPM at 60 PSI | GPM at 70 PSI | GPM at 80 PSI | GPM at 90 PSI | GPM at 100 PSI | GPM at 110 PSI | GPM at 120 PSI | GPM at 130 PSI | GPM at 140 PSI |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| 5 | 37 | 35 | 33 | 31 | 29 | 26 | 23 | 20 | 16 | 11 | 5 | | | |
| 6 | 42 | 41 | 39 | 38 | 36 | 34 | 32 | 29 | 27 | 23 | 20 | 17 | 13 | 8 |
| 7 | 47 | 46 | 44 | 43 | 41 | 40 | 38 | 36 | 34 | 32 | 29 | 27 | 24 | 21 |

METRIC UNITS

| Hyd Flow LPM | LPM at 0.7 BAR | LPM at 1.4 BAR | LPM at 2.1 BAR | LPM at 2.8 BAR | LPM at 3.4 BAR | LPM at 4.1 BAR | LPM at 4.8 BAR | LPM at 5.5 BAR | LPM at 6.2 BAR | LPM at 6.9 BAR | LPM at 7.6 BAR | LPM at 8.3 BAR | LPM at 9.0 BAR | LPM at 9.7 BAR |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 18 | 133 | 126 | 119 | 111 | 101 | 90 | 78 | 65 | 48 | 28 | 9 | | | |
| 22 | 158 | 153 | 147 | 141 | 134 | 127 | 119 | 110 | 98 | 86 | 73 | 59 | 45 | 28 |
| 26 | 178 | 173 | 168 | 162 | 157 | 151 | 144 | 136 | 130 | 122 | 113 | 104 | 93 | 80 |

MODEL 15HPS76-1314-X

| PTO OR SHAFT OUTPUT | MAX FLOW RATE GPM (LPM) | MAX PRESSURE PSI (BAR) | MAX RPM | PORTS | DRY WEIGHT | MOUNTING BOLTS |
|-----------------------|-------------------------|------------------------|---------|------------------------------|-------------------|----------------|
| 3/4" Gas Engine Ready | 30 (113.6) | 250 (17.2) | 3600 | 1" NPT Inlet 3/4" NPT Outlet | 40 lbs. (18.1 kg) | 1/2" or M12 |



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