



## HIGH FLOW APPLICATION MADE EASY.

### EFFICIENT HYDRAULICS WITH OUTSTANDING VALUE.

Available in 5.5 to 12.5 HP, HCP 4000 Series self-priming pumps feature Noryl<sup>®</sup> thermoplastic housings, an advanced alternative to traditional bronze or cast iron. This lightweight material ensures an effortless installation, while a totally enclosed fan-cooled (TEFC) motor provides the power and reliability commercial pools, spas and water features demand.

**Variable Frequency Drive Compatibility:**  
The HCP 4000 Series Pumps are compatible with single-phase 208-230V and three-phase 208-230V/460V VFDs. HCP 4000 pumps with VFDs optimize operations, delivering energy savings, extended life, and enhanced performance.



#### RELIABLY RUGGED PERFORMANCE

A lightweight, glass-reinforced Noryl hydraulic body means HCP 4000 self-priming pumps are solid without being heavy. The impeller and diffuser, made from the same material, provide a maximum strength-to-weight ratio. The TEFC motor design provides years of durable, reliable performance.



#### SMART STRAINER-BASKET DESIGN

HCP 4000 pumps feature a large, non-corrosive plastic strainer basket that extends the time between cleanings and eliminates rust. The transparent lid allows for easy inspection of the strainer basket, and its quick-release mechanism opens easily without tools.



#### SIMPLE, VERSATILE INSTALLATION

Lightweight Noryl thermoplastic and 4" union connections make HCP 4000 pumps simple to install on your own in almost any pool pad. An elevated base ensures better circulation and protection from flooding, further aiding in painless serviceability.

**1 YEAR**  
WARRANTY

**2 YEAR**  
WARRANTY

When paired with a  
Hayward Variable  
Frequency Drive (VFD)



## KEY FEATURES

- » **Tool-free, quick-release strainer lid** allows for fast and easy inspection and maintenance
- » **4" union connections** simplify installation and servicing
- » **Large, non-corrosive plastic strainer basket** extends time between cleanings and prevents rust
- » **Totally enclosed fan-cooled motor (TEFC)** provides maximum efficiency and reliability
- » **Elevated base** improves ventilation and protects against flooding
- » **VFD Compatibility** for both single-phase 208-230V and three-phase 208-230V/460V applications, offering energy savings, extended pump life, and enhanced performance (Highly Recommended).



## TECHNICAL SPECIFICATIONS

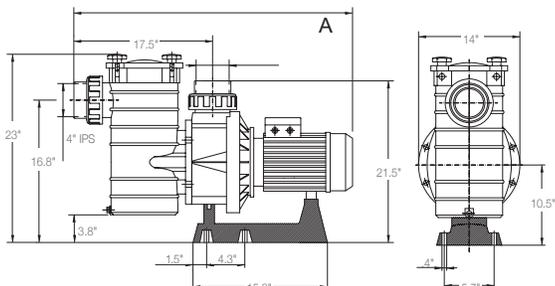
PART NUMBER	HP	VOLTAGE	HZ	AMPS	CARTON QTY	CARTON WEIGHT
HCP40553	5.5	230/460 3-Phase	50/60	14.6/7.3	1	110 lbs.
HCP40753	7.5	230/460 3-Phase	50/60	21/10.5	1	125 lbs.
HCP401003*	10.0	230/460 3-Phase	50/60	26.1/13	1	142 lbs.
HCP401253*	12.5	230/460 3-Phase	50/60	31.6/15.8	1	155 lbs.

## DIMENSIONS

MODEL	HCP40553	HCP40753	HCP401003	HCP401253
HP	5.5	7.5	10.0	12.5
(A) Inch	34.2	36.0	37.2	37.2

## COMPATIBLE HAYWARD VARIABLE FREQUENCY DRIVES

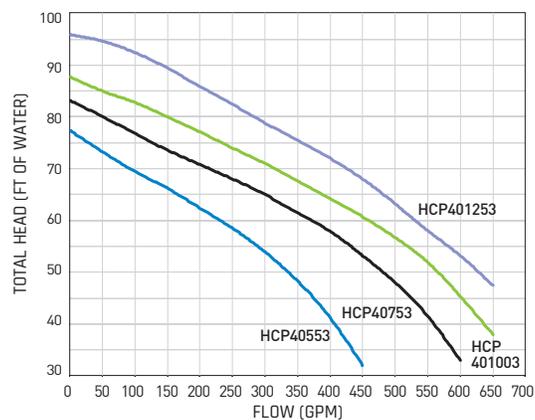
Pump SKU	Single Phase Input		Three Phase Input	
	208-230V	208/230V	208/230V	460V
HCP40553	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P	
HCP40753	HCPVFD421501P	HCPVFD3202403P	HCPVFD3401403P	
HCP401003	HCPVFD520201P	HCPVFD4203003P	HCPVFD3401403P	
HCP401253	HCPVFD620251P	HCPVFD4204603P	HCPVFD3401803P	



## PERFORMANCE DATA

PART NUMBER	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (FEET OF HEAD)								
	35	40	45	50	55	60	65	70	75
	FLOW RATE (GPM)								
HCP40553	431	406	374	333	291	235	200	90	25
HCP40753	588	561	526	481	430	369	300	215	125
HCP401003*	0	635	602	570	521	461	400	310	230
HCP401253*	0	0	0	631	580	536	475	425	355

## HCP SERIES PERFORMANCE DATA



All motors: Certified to UL 1004, IP 55 protection, insulation class F. 60 hz., 3.550 RPM

\*Hayward strongly recommends using a compatible variable frequency drive (VFD) with the 10 HP and 12.5 HP pump models to help extend pump life and prevent wear and tear on motor and pump components.

» [hayward.com](http://hayward.com) » 1-800-HAYWARD

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