

HCP Variable Frequency Drive

Single & Three Phase Options
for 208-230/460 VAC Pumps



CONTROL MADE EASY.

Enhanced pump control with simple installation.

Compatible with Hayward HCP Series and a variety of other 208-230/460 VAC three phase commercial pool pumps, the easy-to-install HCP Series Variable Frequency Drive (VFD) provides a budget-friendly solution for more accurate and efficient pump control in new or existing recreational water facilities. The HCP Series VFD delivers all the benefits of a variable-speed pump—including substantial energy savings, improved system efficiency, optimized performance, extended equipment life, and reduced noise levels—without the hassle of needing to replace existing single-speed pumps.



SUBSTANTIAL ENERGY SAVINGS

With the ability to adjust pump motor RPMs to match any commercial pool's design flow rate, the VFD greatly increases the efficiency of existing pumps—resulting in major energy savings from one season to the next.



IMPROVED SYSTEM EFFICIENCY

An innovative system-matching capability provides seamless integration with Hayward HCP Series pumps—and most other competitive pumps—for greater than 98% drive efficiency.



SIMPLE INSTALLATION & OPERATION

Our VFDs offer effortless installation and intuitive programming tailored for commercial pool pumps, distinguishing them from competitors, eliminating the need for onsite manufacturer support at the time of install, saving time and costs.



- » **Increases pump efficiency** for energy savings up to 50%.
- » **Adjustable pump motor speed** matches the necessary flow rate for various pool sizes.
- » **NEMA 4X & NEMA 12 rated enclosure options available**, with NEMA 4X protecting the drive from the outdoor elements.
- » **OLED multi-language display** provides intuitive navigation between menu options.
- » **Built-in software** measures and displays run hours & kWh meters.
- » **Mountable** with direct wiring to pump motor for fast, effortless installation.
- » **Delivers greater than 98% efficiency**, saving energy & money.
- » **Quick, easy installation** doesn't require a manufacturer drive specialist.

HAYWARD HCP SERIES COMPATIBLE PUMPS*

VFD includes 2-year extended warranty when purchased with a qualifying commercial pump.



HCP 2000 SERIES



HCP 3000 SERIES



HCP 4000 SERIES

SPECIFICATIONS

	PART NUMBER	DRIVE ENCLOSURE RATING	PUMP	VOLTAGE	INPUT Φ	OUTPUT Φ	PUMP AMPS	DRIVE AMPS	BREAKER SIZE	WIRE SIZE 75° COPPER
208/230V 1 Φ to 3 Φ	HCPVFD2201051P ²	NEMA 4X	2/3	208/240	1	3	8.7/9.2	10.5	25	12
	HCPVFD3201531P ²	NEMA 4X	5.5	208/240	1	3	14.6	10.5	40	8
	HCPVFD421501P ²	NEMA 12	7.5	208/240	1	3	26	15	40	8
	HCPVFD520201P ²	NEMA 12	10	208/240	1	3	33	46	60	6
	HCPVFD520251P ²	NEMA 12	12.5	208/240	1	3	48	61	70	4
	HCPVFD620301P ²	NEMA 12	15	208/240	1	3	56	90	70	4
	HCPVFD620401P ²	NEMA 12	20	208/240	1	3	68	110	100	3
	HCPVFD620501P ²	NEMA 12	25	208/240	1	3	54	150	100	3
	HCPVFD620601P ²	NEMA 12	30	208/240	1	3	80	180	100	3
208/230V 3 Φ to 3 Φ	HCPVFD2201053P ¹	NEMA 4X	2/3	208/240	3	3	7.8/9.2	10.5	15	14
	HCPVFD3201803P ¹	NEMA 4X	5.5	208/240	3	3	14.6	18	30	10
	HCPVFD3202403P ¹	NEMA 4X	7.5	208/240	3	3	21	24	35	10
	HCPVFD4203003P ¹	NEMA 4X	10	208/240	3	3	26.1	30	45	8
	HCPVFD4204603P ¹	NEMA 4X	12.5/15	208/240	3	3	31.6/46	46	70	4
	HCPVFD520201P ¹	NEMA 12	20	208/240	3	3	33	46	60	6
	HCPVFD520251P ¹	NEMA 12	25	208/240	3	3	48	61	70	4
	HCPVFD620301P ¹	NEMA 12	30	208/240	3	3	54	90	70	4
	HCPVFD620401P ¹	NEMA 12	40	208/240	3	3	68	110	100	3
	HCPVFD620501P ¹	NEMA 12	50	208/240	3	3	54	150	100	3
460V 3 Φ to 3 Φ	HCPVFD1400413P ¹	NEMA 4X	2	460	3	3	4.1	5.25	10	14
	HCPVFD2400583P ¹	NEMA 4X	3	460	3	3	5.8	7.8	10	14
	HCPVFD2400953P ¹	NEMA 4X	5.5	460	3	3	7.3	9.5	15	14
	HCPVFD3401403P ¹	NEMA 4X	7.5/10	460	3	3	10.5/13.5	14	25	12
	HCPVFD3401803P ¹	NEMA 4X	12.5	460	3	3	15.8	18	30	10
	HCPVFD3402403P ¹	NEMA 4X	15	460	3	3	24	24	35	10
	HCPVFD4403003P ¹	NEMA 4X	20	460	3	3	30	40	45	8
	HCPVFD4403903P ¹	NEMA 4X	25	460	3	3	39	39	60	6
	HCPVFD4404603P ¹	NEMA 4X	30	460	3	3	46	46	70	4

*Only applies to single-speed and 3-phase models.

¹Not Compatible with Class A GFCI circuit breakers. Check your local electrical code requirements.

²Compatible with Siemens QF Series Class A GFCI circuit breakers.

» haywardcommercialpool.com » 1-800-HAYWARD

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