

Hitachi Inverters Pumping Industry

Precision control of water pressure is critical to the booster systems supplying high rise residences and businesses. The same premise is true for center pivot irrigation operations as well as industrial-scale energy and water treatment plants. And when the margin of error is low—like in these applications—engineers around the world trust the flexible and cost-effective lineup of A/C Variable Speed Drives from Hitachi.

18
month
warranty



Why Do I Need an A/C Inverter From Hitachi?

Hitachi drives eliminate the expense and complexity of additional equipment. Plus, a broad offering of models assures that you're not paying for features you don't need.

Hitachi inverters are the smart choice for applications that require performance and flexibility, with all the reliability Hitachi products deliver.



CUSTOMIZABLE

With embedded software from Hitachi, your parameters can be coded in for added value. And firmware can be customized to your unique application.



FLEXIBLE

Hitachi inverters are adaptable as new motor technology becomes available. This includes compatibility with the latest, energy efficient PMAC (permanent magnet alternating current) motors.



PROTECTION

Hitachi inverters include loss of prime detection. It alerts the system to low water pressure, helping eliminate premature wear on pumps. Features like a line fill help suppress the occurrence of water hammer, extending the life of pipe hangers, instrumentation and other components within the system.



INTUITIVE

Sleep mode reduces system energy usage during off-peak times. And trip avoidance prevents unusual, but noncritical load variations, from causing false alarms and downtime.



RELIABLE

Hitachi-made parts help deliver a 10-year life expectancy. Proven in some of the toughest water flow applications, it's common for Hitachi inverters to outlast the motors they are running.

Use Our New SJ-P1 in Single Phase Supply Applications with Confidence

Hitachi continues to expand on the reliability of the latest SJ-P1 drives and now has received UL approval for use in single phase input applications. Many of these applications exist in remote locations where a three phase power source is not economically accessible. The SJ-P1 series drives can help you get all the benefits of a variable frequency drive without adding additional hardware or modification of your equipment.

Please review the table below for the correct size drives to operate the load requirement, and get the peace of mind that it is a UL- rated inverter.

Note: Set the electronic thermal protection according to the applied motor.

Model Name	Three-phase input Output Current (Triple Rating)			Single-Phase Input Output Current (Single Rating)	
	VLD (A)	LD (A)	ND (A)	ND (A)	
200V Class 240V -5% +10%	P1-00330-LFUF	33	30	25	12.0
	P1-00460-LFUF	46	40	32	15.5
	P1-00600-LFUF	60	56	46	22.0
	P1-00800-LFUF	80	73	64	31.0
	P1-00930-LFUF	93	85	76	36.5
	P1-01240-LFUF	124	113	95	46.0
	P1-01530-LFUF	153	140	122	60.0
	P1-01850-LFUF	185	169	146	70.0
	P1-02290-LFUF	229	210	182	88.0
	P1-02950-LFUF	295	270	220	105.0
400V Class 280V -5% +10%	P1-00175-HFUF	17.5	16	14.8	6.0
	P1-00250-HFUF	25	22	19	8.0
	P1-00310-HFUF	31	29	25	12.0
	P1-00400-HFUF	40	37	32	16.0
	P1-00470-HFUF	47	43	39	19.0
	P1-00620-HFUF	62	57	48	24.0
	P1-00770-HFUF	77	70	61	30.0
	P1-00930-HFUF	93	85	75	37.0
	P1-01160-HFUF	116	105	91	45.0
	P1-01470-HFUF	147	135	112	56.0

- Deliver consistent optimized irrigation levels to crops that are automated and simple to operate.
- Protect crops and pump equipment.
- Have control of water pressure loss and water hammer.

Easy Setup and Support You Can Count On

SETUP

Out of the box, Hitachi inverters include intuitive navigation displays and a keyboard to set personalized parameters. This makes integration into existing systems quick and easy. Select models feature a color LCD removable operator panel standard.

SUPPORT

Before choosing Hitachi, a detailed consultation with an expert will help you select the most cost-effective inverter solution. After installation and training, and throughout the life of the product, we've got your back with unmatched support.