

iQPUMP® 600 V AC DRIVES

iQPUMP®1000: YOUR TOTAL PUMPING SOLUTIONS



600 V AC Input: 1-250 HP



iQpump®1000 is your total pumping solution for whatever your system demands, while maintaining the simple pump terminology and programming customers have come to expect.

Yaskawa understands that many light commercial, industrial, agricultural and ground water well systems are looking for a more cost effective simplex and multiplex constant pressure pump control solution without sacrificing what they have come to enjoy from Yaskawa.

BENEFITS

- Proven Process Control and System Reliability
- Reduce Total System Cost
- Energy Savings
- Ease of Installation and Setup
- Eliminate Complex Control Panels
- Cooler Running Pump Motor

FEATURES

- Sleep Mode Minimum Flow Protection
- No Flow/Deadhead Protection
- Submersible Motor Thrust Bearing Protection
- Automatic System Restart
- Loss of Prime/Pump Dry-Run Protection
- Low and High Pressure Feedback Detection
- Impeller Anti-Jam Automatic Control
- Power Loss Utility Start Delay Timer
- Sleep Boost
- Pre-Charge Control (Controlled Pipe Fill)
- Constant Pressure with Well Draw Down Control
- Secondary Transducer Backup

IT'S PERSONAL

YASKAWA

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600V - THREE-PHASE MODELS

Model Number	3-Phase Input, 600 V		Single-Phase Input, 600 V; 3-Phase Output, 575 V Maximum 1.15 Service Factor		iQpump1000 Dimensions			Weight (lb)	
			Without Additional Input Reactor	With Additional Reactor					
	Rated Current (A)	Max Capacity (HP)	Max Capacity (HP)	Max Capacity (HP)	Height	Width	Depth	NEMA 1	Protected Chassis
CIMR-PW5A0003_AA	2.7	1 & 2	1	1.5	12.06	5.51	5.79	7.3	--
CIMR-PW5A0004_AA	3.9	3	1.5	2	12.06	5.51	5.79	7.3	--
CIMR-PW5A0006_AA	6.1	5	2	3	12.06	5.51	6.46	8.2	--
CIMR-PW5A0009_AA	9	7.5	3	5	12.06	5.51	6.46	8.2	--
CIMR-PW5A0011_AA	11	10	2	3	12.06	5.51	6.57	9.3	--
CIMR-PW5A0017_AA	17.5	15	5	5	13.38	7.09	7.36	13.0	--
CIMR-PW5A0022_AA	22	20	5	7.5	13.38	7.09	7.36	13.0	--
CIMR-PW5A0027_AA	27	25	7.5	10	15.47	8.66	7.76	20.1	--
CIMR-PW5A0032_AA	32	30	7.5	10	15.47	8.66	7.76	20.1	--
CIMR-PW5A0041_AA	41	40	15	15	20.62	11.35	10.16	59.4	59.4
CIMR-PW5A0052_AA	52	50	15	15	20.62	11.35	10.16	59.4	59.4
CIMR-PW5A0062_AA	62	60	25	25	30.08	12.95	11.14	99.0	90.2
CIMR-PW5A0077_AA	77	75	30	30	30.08	12.95	11.14	99.0	90.2
CIMR-PW5A0099_AA	99	100	30	30	30.08	12.95	11.14	99.0	90.2
CIMR-PW5A0125_AA	125	125	50	50	37.80	17.95	12.99	191	174
CIMR-PW5A0145_AA	145	150	50	50	37.80	17.95	12.99	191	174
CIMR-PW5A0192_AA	192	200	75	75	45.98	19.84	13.78	233	235
CIMR-PW5A0242_AA	242	250	75	75	45.98	19.84	13.78	257	235

Reference User Manual for proper drive sizing when using service factors larger than 1.15
When two or more drives in the same voltage class have the same power rating any drive with that rating can be selected



PRE-PROGRAMMED APPLICATION MACROS

Pre-programmed application presets reduce start-up time significantly. Users enter simple motor and application information within the pump quick setup menu for each of the application macros.

- Constant Pressure
- Pump Down Level Control
- General Purpose Mode
- Submersible Motor, General Purpose Operator Control
- Geothermal Control
- Vertical Turbine Pump Pressure Control (VTC)
- Pivot Panel VTC
- Advanced Constant Pressure

IT'S PERSONAL