

Product Bulletin

For Release: **Immediately**
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AC890PX

Frequently Asked Questions

1) What is the AC890PX?

It's a High Power AC Drive with Modular Architecture (Patent Pending) that allows 4 different modes of operation: Volts/Hertz, Open Loop Vector, Closed Loop Vector and Servo Applications.

2) How does the AC890PX Operate?

The AC890PX operates in Speed, Torque and Position Control for the following motor types:
AC Induction, PM AC Servo, PM DC Servo, Direct Drive Torque Motors

3) Is it a New Product or an Extension of our current 890 Family?

The AC890PX is an extension of the popular AC890 Drive Family – The PX includes a rugged System Enclosure and extends the range to 600Hp. Keypad and programming are exactly like the existing AC890!

4) What makes the AC890PX different than the competition?

It minimizes downtime by virtue of a user serviceable modular design using plug-in power modules for quick and easy field repairs. These modules weigh 50 pounds or less, and can be expeditiously shipped anywhere in the world and changed out by anyone who can use an Allen wrench! The AC890PX also has the smallest footprint in the industry.

5) What is Modular Architecture?

The AC890PX is constructed of a series of standard power modules which slide into a framework of supports and bus bars. This results in less wiring and ease of maintenance and parts replacement.



6) What Features are most critical?

- Integrated System Enclosure (IP21/NEMA 1 standard, IP52/NEMA 12 optional)
- Turn-key Drive Solution which includes AC line disconnect, Fusing, 3% Line Reactor, Brake Resistor (100% Power Capacity – limited duty Cycle).
- Keyed Plug-in Power Sections provide Simple Service and Replacement
- Global Voltage Ratings (50/60 Hertz, 380-460VAC and 500-690VAC)
- CE, UL, Listed, cUL pending

7) What are Competitive Drives in its Class?

- ABB ACS800-07
- Allen Bradley PowerFlex 700H
- Yaskawa G5HHP
- Siemens Simover 6SE72
- Vacon NXC

8) What are Target Industries or Applications for AC890PX?

- | | |
|-------------------|---------------------------|
| - Metals | - Printing and Converting |
| - Municipal | - Mixing |
| - Plastics | - HVAC |
| - Centrifuge | - Pumps |
| - Hybrid Vehicle | - Energy Conversion |
| - Wood and Lumber | - Pulp and Paper |
| - Oil Refineries | - Dynamometers |

9) What communication protocols are available?

Same as the existing AC890...Profibus, ControlNet, DeviceNet, CanOpen, and Firewire A and B, with Ethernet scheduled for late 2007.

10) What is coming next?

- Compact and efficient liquid-cooled design
- AFE unit for fully regenerative requirements
- Safe stop feature

11) Where can I find Field Sales Support or Pricing?

Contact your local SSD Sales Representative, or Authorized SSD System Integrator