

# AC Controls

Baldor Drives now offers a complete solution to your motor control needs. From basic analog soft starts to full fledged Vector technology, Baldor offers high performance products in an easy to use interface. Controls start at 1/100HP and continue up to 800HP. Custom controls can be built up to 1500HP. Each control is designed and manufactured to be the most reliable you can buy.



## **ACB330 Microdrive**

The ACB330 is a general purpose AC Microdrive with high-performance features. It is heavy-duty rated up to 30HP, and can handle variable torque, constant torque or constant horsepower applications. The ACB330 is designed for New installations, replacement applications as well as for original equipment manufacture (OEM) use.



## **ACB530 Inverter**

The ACB530 is a general purpose AC Drive that supports the majority of Industrial Applications. It is both normal-duty and heavy-duty rated with ratings up to 550HP. The ACB530 supports variable torque, constant torque or constant horsepower applications, and is available in 230V, 460V and 600V versions.



## **VS1ST Microdrive**

Designed to replace fixed speed motor starters, the Baldor VS1ST is easy to setup, and ready to run out-of-the box using only forty five parameters for quick startup. The keypad is intuitive and used for both programming as well as local operator control.



## **VS1STS 600V Microdrive**

Designed for the 600V market, the Baldor VS1STS is easy to setup, and ready to run out-of-the box using a basic set of parameters. The keypad is intuitive and used for both programming as well as local operator control.



### **VS1MD Microdrive**

The VS1MD is a general purpose drive with performance features. Heavy duty rated with stock ratings up to 30Hp (22)kW, this microdrive is among the most powerful and cost competitive in its class. Its compact size, user-friendly interface, higher horsepower, and superior motor torque make it ideal for a wide variety of applications.



### **VS1MX Microdrive**

Considered the ultimate drive for harsh environments, the Baldor VS1MX microdrive completes our family of reliable AC microdrive products. This easy-to-use, low-power AC variable speed drive has a compact design and is available in switched or non-switched enclosures. The IP-55/NEMA 12 or IP66/NEMA 4X ratings make the drive ideal for use in wet, dry and harsh-duty conditions.



### **VS1MXS 600V Microdrive**

Designed for the 600V market, the Baldor VS1MXS is easy to setup, and ready to run out-of-the box using a basic set of parameters. The keypad is intuitive and used for both programming as well as local operator control. Heavy duty rated with capability from 1 to 7.5HP (0.75 to 5kW) NEMA 12 (IP55), this stand alone drive is easy to install or replace.



### **VS1PF Pump and Fan Drive**

The Baldor V\*S Drives VS1PF is a feature rich AC drive targeted at the pump and fan markets but with functionality that rivals more sophisticated general purpose products. The VS1PF provides ability to gain traditional energy savings achieved by controlling centrifugal loads with a variable frequency drive while implementing unique algorithms that further reduce energy consumed by your application.



### **VS1PF Bypass Pump and Fan Drive**

The VS1PF Bypass is a dedicated Pump/Fan Package with Hand/Off/ Auto and Local/Remote Bypass features. Stock ratings up to 40HP 230V or 125HP 460V, this bypass package is powerful and cost competitive. Electronic Bypass can switch to Bypass Mode when a critical fault occurs in the drive allowing the motor to continue to operate.



### **VS1SD Servo Drive**

Baldor's VS1SD Servo Drives provide control of 3-phase AC induction servomotor in an industrial package and design. These NEMA 1 controls offer Baldor's easy to use Smart Keypad for easy setup and flexibility. The VS1 keypad follows the same easy to use menu structure as that of its companions, the VS1SP Inverter and VS1GV Vector drives.



### **VS1SD Washdown Servo Drive**

Baldor's VS1SD Servo Drives provide control of 3-phase AC induction servomotor in an industrial package and design. These NEMA 4X controls offer Baldor's easy to use Smart Keypad for easy setup and flexibility. The VS1 keypad follows the same easy to use menu structure as that of its companions, the VS1SP Inverter and VS1GV Vector drives.



### **VS1SP Inverter Drive**

The VS1SP AC Drive uses high performance control algorithms to allow control of induction motors using traditional a V/Hz control method or using sensorless vector control. It's easy setup, quick startup, and right-out-of-the-box operation make it among the most popular variable speed motor controls. Available in stock ratings from  $\frac{3}{4}$  HP to 500 HP and voltage ranges from 180-575 volts, these drives incorporate a variety of features and design innovations that ensure dependable performance. Additional flexibility and higher operating powers are available from Baldor up to 1500 HP using our packaged drive capabilities.



### **VS1SP Washdown Inverter Drive**

The VS1SP AC Drive uses a traditional inverter V/Hz control method. Its easy setup, quick startup, and right-out-of-the-box operation make it among the most popular variable speed motor controls. It is ideal for applications where multiple motors are operated simultaneously from one motor control, including pumps, fans, and general machinery applications.



### **VS1GV Vector Drive**

The VS1GV AC Drive is a high performance vector drive that offers three modes of control - closed-loop vector, sensorless vector or V/ Hz. The high performance algorithms in this drive provide control of motor speed and torque with the precision and responsiveness needed to accomplish the most demanding applications. Available in stock ratings from ¾ HP to 500 HP and voltage ranges from 180 - 575 volts, these drives incorporate a variety of features and design innovations that ensure dependable performance. Additional flexibility and higher operating powers are available from Baldor up to 1500 HP using our packaged drive capabilities.



### **VS1GV Washdown Vector Drive**

The VS1GV is a high performance vector drive that offers three modes of control - closed-loop, encoderless or the traditional V/Hz method - to control motor speed and torque with precision and the responsiveness needed to accomplish the most demanding applications.



### **VS1PM Permanent Magnet Drive**

The VS1GV is a high performance vector drive that offers three modes of control - closed-loop, encoderless or the traditional V/Hz method - to control motor speed and torque with precision and the responsiveness needed to accomplish the most demanding applications.



### **VS1SM Microdrive**

The Baldor VS1SM is a V / Hz and Sensorless Vector product that combines performance and reliability. With optional built-in EMC/RFI Filter and configurable PNP/NPN Digital Inputs, this single phase 230V AC microdrive is ideal for OEM Applications that require a compact, cost-effective, feature-rich product.



### **Series 5 Micro Inverters**

Baldor's Series 5 inverter is a low cost and compact size inverter. However, don't let the compact size fool you, the Series 5 mini-inverter is packed with the same protection features you would find in larger controls. Built-in current limit provides motor overload protection. High peak-current is available for up to 2 minutes and delivers up to 200% starting torque. The available peak currents will result in reduced nuisance tripping during overload conditions. Electronic inrush current limit and filtering is standard to reduce transient voltage spikes from dirty power sources.