

# SpinMaster™ AC Micro Drives

## Driven to be the Best...SpinMaster™ and SpinMaster™ Plus AC Drives

REGAL-BELOIT's SpinMaster™ AC drive is designed for the most demanding industrial applications from fans and pumps to conveyors and packaging equipment. The SpinMaster™ AC drive offers superior performance with smooth acceleration and deceleration, multiple presets, digital accuracy along with easy setup and operation.

The SpinMaster™ AC drive offers advanced features such as DC injection braking, current limit with frequency foldback, slip compensation, and multiple switching frequencies for quiet operation...all at an economical price.

The SpinMaster™ AC drive, depending on the drive series selected, has a horsepower range from 1/4 to 25 horsepower in 120 VAC, 208/240 VAC, 480 VAC and 575 VAC, single phase input, single or three phase input, and three phase inputs. A rugged convection cooled or heatsink fan cooled IP20 enclosure with finger safe terminals offers an advantage to the OEM or panelbuilder. An optional DIN rail mounting system provides additional flexibility in maximizing panel space.

When additional features are required such as load, speed or frequency scaling, analog output signals and communication, the full featured SpinMaster™ Plus offers exceptional performance at an affordable price. The SpinMaster™ Plus has eighteen isolated inputs and outputs including start, stop, 0-10 VDC input, 4-20 mA input, 10 VDC supply for external potentiometer, and a 12 VDC supply for an external relay. Additional options include a 1000 Hz output frequency option for very high speed applications and PI control for process applications.

The SpinMaster™ AC drive is performance matched with the industry's leading motors for unparalleled performance and one of the industry's longest warranties.

## Ease of Programming Saves Time and Money...

Programming the SpinMaster™ AC drive is as simple as one, two, three. The drive can be programmed via the pushbuttons on the drive face, the EPM programmer, or via Techlink software.

The revolutionary EPM programmer provides full programming capability using "plug and play" techniques whereby the OEM can copy and download programs in seconds allowing for a fast program change. Over 30 drive programs can be stored at one time and programming is quick and easy using the 16 character English language format. The handheld battery powered EPM programmer allows the user to program the drive without power connection for increased productivity. The EPM programmer can be attached to a personal computer to upload and download drive programs using Techlink software.

## When Performance Counts...

When high performance is required and reliability a must...turn to the industry leader in motion control applications...turn to REGAL-BELOIT...  
*"at the heart of what drives your world".*



DIN Rail Mounting



EPM Programmer



*Motors and Drives for  
the Long Run!*

**CARNES®**  
Verona, Wisconsin

# SpinMaster™ Quality AC Micro Drives

Specifications	Features	
	SpinMaster™	SpinMaster™ Plus
Horsepower	1/3 - 5 Horsepower	1/4 - 25 Horsepower
Input Voltage	120 VAC, 208/240 VAC, 480 VAC	208/240 VAC, 480 VAC, 575 VAC
Phase	Single or Three Phase	Single or Three Phase
Carrier Frequency	4 - 10 kHz	4 - 10 kHz
Maximum Output Frequency	0 - 240 Hz	0 - 240 Hz
Programming Parameters	38	48
EPM Programmer	Yes (optional)	Yes (optional)
Push Buttons	3	3
Accel/Decel Time	0.1 - 990 seconds	0.1 - 3600 seconds
Control Voltage	12 VDC	12 VDC
Speed Scaling	User defined 0.0 - 6500	User defined 0.0 - 6500
Frequency Scaling	No	3.0 - 2000.0 Hz
Load Scaling	No	10 - 200%
High Speed Frequency	Yes (240 Hz)	Yes (240 Hz), optional 1000 Hz
Preset Speeds	7	7
Control I/O	Eleven isolated terminals	Eighteen isolated terminals
Communication	No	Modbus® Protocol
Display	Three digit	Three digit
Motor Overload Capacity	150% for 60 seconds	150% for 60 seconds
Programmable Inputs	Active high	Active low
Analog Outputs	None	2 (speed and load)
Digital Outputs	Current sourcing and relay	2 open collector
Torque Boost	0 - 30%	0 - 30%
Acceleration Boost	0 - 20%	0 - 20%
DC Injection Braking	0 - 30%	0 - 30%
Skip Frequency	2	2
PI Control	No	Yes (optional)
Cooling	Convection cooled	Convection, heatsink or fan
Enclosure	IP20	IP20
DIN Rail Mounting	Yes (optional)	Yes (optional)
Standards	UL and CSA	UL and CSA
Warranty	12/18 months	12/18 months

## *Motors and Drives for the Long Run!*

For more information contact:

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