

Washdown Sensorless Vector Drives 460V



S4 SERIES

NEMA 4X / NEMA 12

MODEL NUMBER	STANDARD DUTY		HEAVY DUTY		DIMENSIONS (IN)			WGT (LBS)	LIST PRICE
	HP	AMPS	HP	AMPS	H	W	D		
☞ RSI-001-S4-4W	1	2.1	0.5	1.1	9.5	6.5	6.1	9	CF
☞ RSI-002-S4-4W	2	3.4	1	2.1	9.5	6.5	6.1	9	CF
☞ RSI-003-S4-4W	3	4.8	2	3.4	9.5	6.5	8.5	9	CF
☞ RSI-005-S4-4W	5	7.6	3	4.8	12	8.7	6.5	14	CF
☞ RSI-007-S4-4W	7.5	11	5	7.6	12	8.7	6.5	14	CF
☞ RSI-010-S4-4W	10	14	7.5	11	12	8.7	6.5	14	CF
☞ RSI-015-S4-4W	15	21	10	14	17.4	10.8	7.9	30	CF
☞ RSI-020-S4-4W	20	27	15	21	17.4	10.8	7.9	30	CF
☞ RSI-025-S4-4W	25	34	20	27	17.4	10.8	7.9	30	CF
☞ RSI-030-S4-4W	30	40	25	34	17.4	10.8	7.9	30	CF
☞ RSI-040-S4-4W	40	52	30	40	20.2	11.3	11.7	50	CF
☞ RSI-050-S4-4W	50	65	40	52	20.2	11.3	11.7	50	CF
☞ RSI-060-S4-4W	60	77	50	65	29.4	12.9	13.8	110	CF
☞ RSI-075-S4-4W	75	96	60	77	29.4	12.9	13.8	110	CF
☞ RSI-100-S4-4W	100	124	75	96	29.4	12.9	13.8	110	CF
☞ RSI-125-S4-4D*	125	156	100	124	50.5	16.5	18	354	CF
☞ RSI-150-S4-4D*	150	180	125	156	50.5	16.5	18	354	CF
☞ RSI-200-S4-4D*	200	240	150	180	50.5	16.5	18	354	CF

☞ Web stocked

* Units ending in "D" are NEMA 12 and not washdown



NEMA 4X Washdown / NEMA 12

Sensorless Vector Drives



S4 SERIES

STANDARD DUTY / HEAVY DUTY



RATINGS

Constant Torque:

1HP @ 115V
1 to 20HP @ 230V
1 to 200HP @
460V/600V



RSI S4 Series Product Highlights:

The S4 Series is a line of high performance NEMA 4X washdown variable frequency drives. Benshaw's S4 variable frequency drives are built to withstand the harshest environments and hold up under your most demanding pressure washing applications. All S4 Series drives combine a simple user interface with an array of features and are suited to almost any indoor environment.

S4 variable frequency drives come standard with over 180 configurable parameters to match specific application and interface requirements. A standard dynamic braking transistor and resistor are also included for regenerative applications.

Key Advantages:

- ◆ NEMA 4X washdown duty enclosure
- ◆ Sensorless vector control
- ◆ Standard braking transistor and resistor
- ◆ Infrared programming port
- ◆ Standard and Heavy Duty ratings
- ◆ LCD plain English display
- ◆ Simple, easy-to-use interface
- ◆ Standard ModBus communication port
- ◆ Integral PI control

Standard Features:

- ◆ NEMA 4X washdown enclosure
- ◆ Standard I/O:
10 digital inputs, 2 analog inputs,
2 analog outputs, 2 relay outputs
- ◆ Digital metering:
Output current, output volts, power,
MWh meter, run time, power on time,
bus voltage, output frequency
- ◆ Communications:
ModBus standard, optional
other fieldbus
- ◆ Voltage tolerance $\pm 10\%$
- ◆ Sensorless vector control
- ◆ V/ Hz Pattern:
Linear, quadratic
- ◆ Analog output functions:
Output voltage, output current,
drive load, drive temp, stator
frequency, output power
- ◆ Analog inputs:
0-10VDC, 4-20mA, -10VDC to
10VDC, Pulse train input
- ◆ Relay outputs:
Running, forward, reverse, ready,
faulted, at speed, keypad control,
adjustable torque levels, adjustable
current levels, PID limits, loss of
reference, timers
- ◆ 10 digital inputs configurable:
Run, preset speeds, jogging, PID
disable, fault reset, drive enable,
timers, motorized pot
- ◆ User interface:
20 character LCD display, infrared
programming port
- ◆ Braking functions:
Decel, coast, DC injection,
dynamic braking

Guaranteed ... for two full years.

Only Benshaw has a two year guarantee.

Every Benshaw variable frequency drive is guaranteed for two full years. Other manufacturers limit their warranties to just one year. But at Benshaw, we believe that, because we build them better, we can guarantee them longer. We call that "the Benshaw Promise."



* Units 1-100HP are NEMA 4X. Units 125-200HP are NEMA 12.