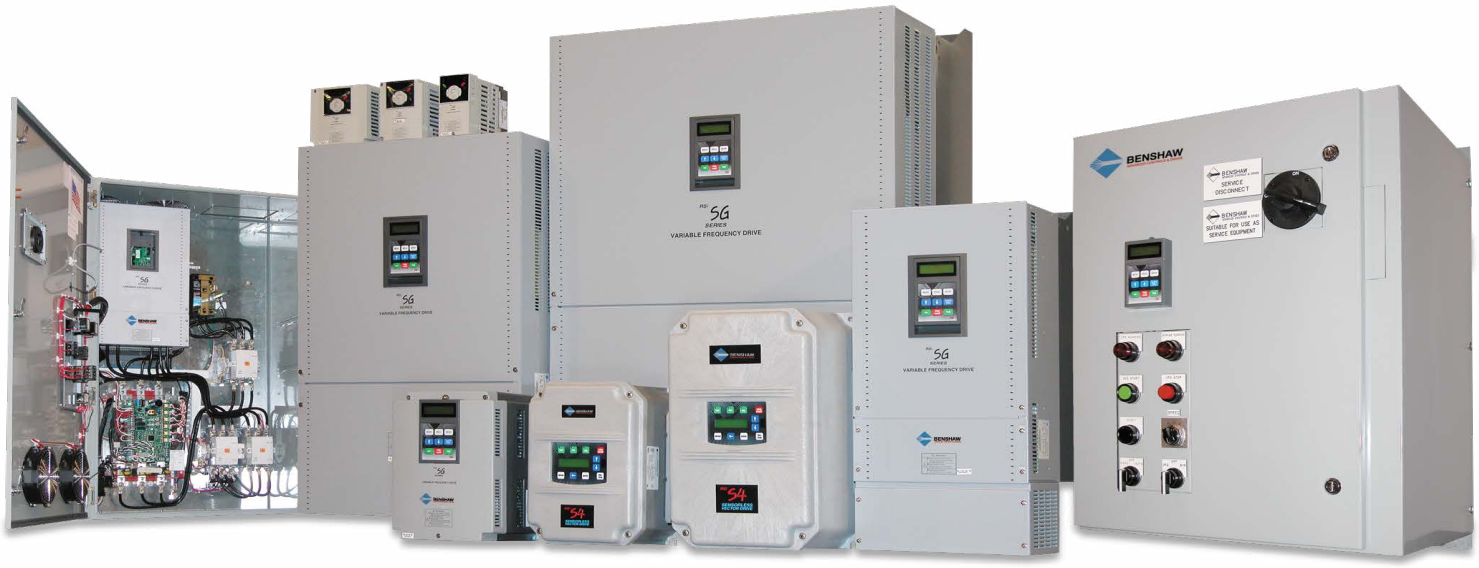
Model Number	Standard Duty HP	Standard Duty Amps	Heavy Duty HP	Heavy Duty Amps	Dimensions (in) H	Dimensions (in) W	Dimensions (in) D	Weight (lbs)
115 Volt input / 230 volt output								
RSI-001-S4-1SW	1	4.2	0.5	2.5	9.5	6.5	6.1	9
230 Volt								
RSI-001-S4-2W	1	4.2	0.5	2.5	9.5	6.5	6.1	9
RSI-002-S4-2W	2	6.8	1	4.8	9.5	6.5	6.1	9
RSI-003-S4-2W	3	9.6	2	7.8	9.5	6.5	8.5	9
RSI-005-S4-2W	5	15.2	3	11	12	8.7	6.5	14
RSI-007-S4-2W	7.5	22	5	17.5	12	8.7	6.5	14
RSI-010-S4-2W	10	28	7.5	25.3	17.4	10.8	7.9	30
RSI-015-S4-2W	15	42	10	37.2	17.4	10.8	7.9	30
RSI-020-S4-2W	20	54	15	48.3	20.2	11.3	11.7	50
RSI-025-S4-2W	25	68	20	62.1	20.2	11.3	11.7	50
460 Volt								
RSI-001-S4-4W	1	2.1	0.5	1.1	9.5	6.5	6.1	9
RSI-002-S4-4W	2	3.4	1	2.1	9.5	6.5	6.1	9
RSI-003-S4-4W	3	4.8	2	3.4	9.5	6.5	8.5	9
RSI-005-S4-4W	5	7.6	3	4.8	12	8.7	6.5	14
RSI-007-S4-4W	7.5	11	5	7.6	12	8.7	6.5	14
RSI-010-S4-4W	10	14	7.5	11	12	8.7	6.5	14
RSI-015-S4-4W	15	21	10	14	17.4	10.8	7.9	30
RSI-020-S4-4W	20	27	15	21	17.4	10.8	7.9	30
RSI-025-S4-4W	25	34	20	27	17.4	10.8	7.9	30
RSI-030-S4-4W	30	40	25	34	17.4	10.8	7.9	30
RSI-040-S4-4W	40	52	30	40	20.2	11.3	11.7	50
RSI-050-S4-4W	50	65	40	52	20.2	11.3	11.7	50
RSI-060-S4-4W	60	77	50	65	29.4	12.9	13.8	95
RSI-075-S4-4W	75	96	60	77	29.4	12.9	13.8	95
RSI-100-S4-4W	100	124	75	96	29.4	12.9	13.8	95
RSI-125-S4-4D*	125	156	100	124	50.5	16.5	18	305
RSI-150-S4-4D*	150	180	125	156	50.5	16.5	18	305
RSI-200-S4-4D*	200	240	150	180	50.5	16.5	18	305
600 Volt								
RSI-001-S4-6W	1	1.7	0.5	0.9	12	8.7	6.5	14
RSI-002-S4-6W	2	2.7	1	1.7	12	8.7	6.5	14
RSI-003-S4-6W	3	3.9	2	2.7	12	8.7	6.5	14
RSI-005-S4-6W	5	6.1	3	3.9	12	8.7	6.5	14
RSI-007-S4-6W	7.5	9	5	6.1	12	8.7	6.5	14
RSI-010-S4-6W	10	11	7.5	9	12	8.7	6.5	14
RSI-015-S4-6W	15	17	10	11	17.4	10.8	7.9	30
RSI-020-S4-6W	20	22	15	17	17.4	10.8	7.9	30
RSI-025-S4-6W	25	27	20	22	17.4	10.8	7.9	30
RSI-030-S4-6W	30	32	25	27	17.4	10.8	7.9	30
RSI-040-S4-6W	40	41	30	32	20.2	11.3	11.7	50
RSI-050-S4-6W	50	52	40	41	20.2	11.3	11.7	50
RSI-060-S4-6W	60	68	50	52	29.4	12.9	13.8	95
RSI-075-S4-6W	75	82	60	62	29.4	12.9	13.8	95
RSI-100-S4-6W	100	107	75	77	29.4	12.9	13.8	95
RSI-125-S4-6D*	125	125	100	99	50.5	16.5	18	305
RSI-150-S4-6D*	150	144	125	125	50.5	16.5	18	305
RSI-200-S4-6D*	200	192	150	140	50.5	16.5	18	305

*Web Stocked | * Units ending in "D" are NEMA 12 and not washdown.*

World-Class Drive Products



Benshaw offers a variable frequency drive for any industry and any application.

Benshaw offers a wide range of standard drives and engineered drive packages—from 1 to 700 horsepower. All are rugged, reliable and easy to use, with intuitive, menu driven programming features and robust high quality power sections to support your toughest variable speed applications.

Whether your motor control application is simple or highly complex, Benshaw's flexible I/O functionality and user-selectable control strategies allow the user to optimize the drive to individual application and operating conditions.

GX Series micro drives

Full featured GX Series micro drives combine exceptional performance and ease of use in a compact, economical unit.

SG Series high performance sensorless vector drives

SG Series drives are designed for hard to start applications that require high starting torque. Benshaw's sophisticated auto-tuning algorithm senses internal motor parameters to optimize drive performance and provide precise speed regulation.

SG519 Series clean power 18 pulse drives

Benshaw's clean power drive family meets IEEE519-1992 standards for harmonics. SG519 drives include an 18 pulse transformer and additional diode bridge rectifier to reduce harmonic distortion below 5%.

S4 Series washdown duty drives

Benshaw's S4 drive family is designed to perform in wet, dirty or corrosive environments. The S4's standard NEMA 4X polycarbonate enclosure can be mounted in washdown environments and in the harshest operating conditions.

SGP built-to-order drives

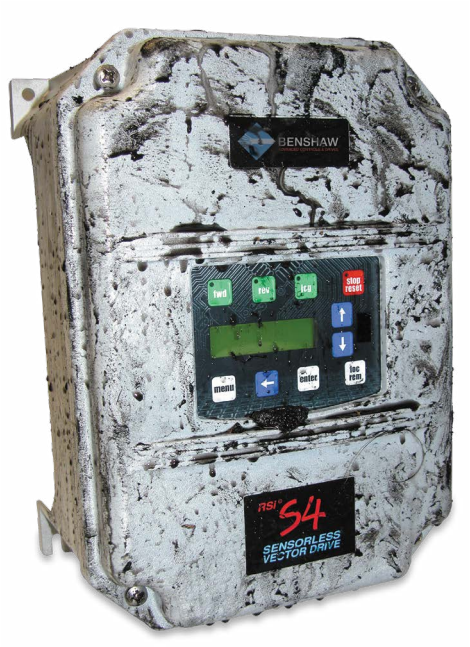
Benshaw is the world leader in quick shipment of built-to-order engineered drive packages. SGP packages feature SG Series drives with your choice of disconnect, bypass, line and load reactor and control options.

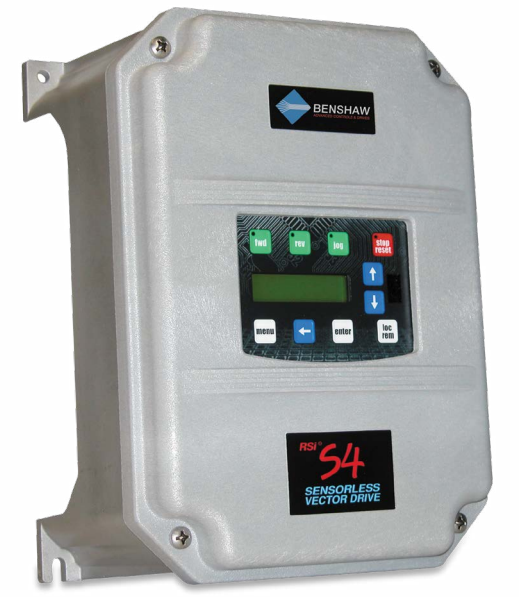
S4 Series

NEMA 4X Washdown Drives

Standard Duty:

1 HP @ 115 V
1 to 25 HP @ 230 Vac
1 to 200 HP @ 460 Vac
1 to 200 HP @ 600 Vac





NEMA 4X WASHDOWN drives for severe environments.

Benshaw S4 Series sensorless vector drives, 100 HP and below, are designed for high pressure washdown applications and are built to withstand the harshest industrial environments.

S4 Series drives feature a rugged polycarbonate enclosure that exceeds NEMA 1, 12, 4 and 4X standards, with double labyrinth seals that keep dust, dirt, oil and water from entering the drive at pressures up to 1,000 psi.

230 V and 460 V S4 Series drive models are web stocked for immediate shipment. 600 V models are also available.

Standard features:

- NEMA 4X / IP 66 washdown duty enclosure (100 HP and below)
- Gasketed, double labyrinth seal withstands high pressure washdown to 1,000 psi
- Standard and heavy duty ratings
- Standard braking transistor and resistor
- Sensorless vector control
- High starting torque
- Arctic Mode—maintains safe operation in cold environments
- LCD plain English display
- Integrated PID control
- Standard sequencer software
- Standard Modbus communications port

Standard Duty power rating

The Standard Duty rating provides overload protection at 120% current for 60 seconds.

Heavy Duty power rating

The Heavy Duty rating provides a more robust power section for loads requiring higher starting torque and higher peak overloads of 150% for 60 seconds.

Integrated software

Regenerative software is included to eliminate regen energy on over-hauling loads. Sequencer software is also included as standard.

PID control

S4 drives feature an integrated PID control algorithm to regulate pressure, temperature or flow. PID process variables can be set in "real" values, eliminating the need for confusing conversions.

Dynamic braking transistor and resistor

S4 drives include as standard a dynamic braking transistor and resistor to decrease deceleration times and eliminate regenerative energy. An optional external resistor can be added for even faster stopping times.