



# QuickShip Packaged Drives

## SGP SERIES STANDARD DUTY / HEAVY DUTY

### RATINGS

#### Standard Duty:

7.5 to 40HP @ 230V  
7.5 to 125HP @ 460V

#### Heavy Duty:

5 to 30HP @ 230V  
5 to 100HP @ 460V

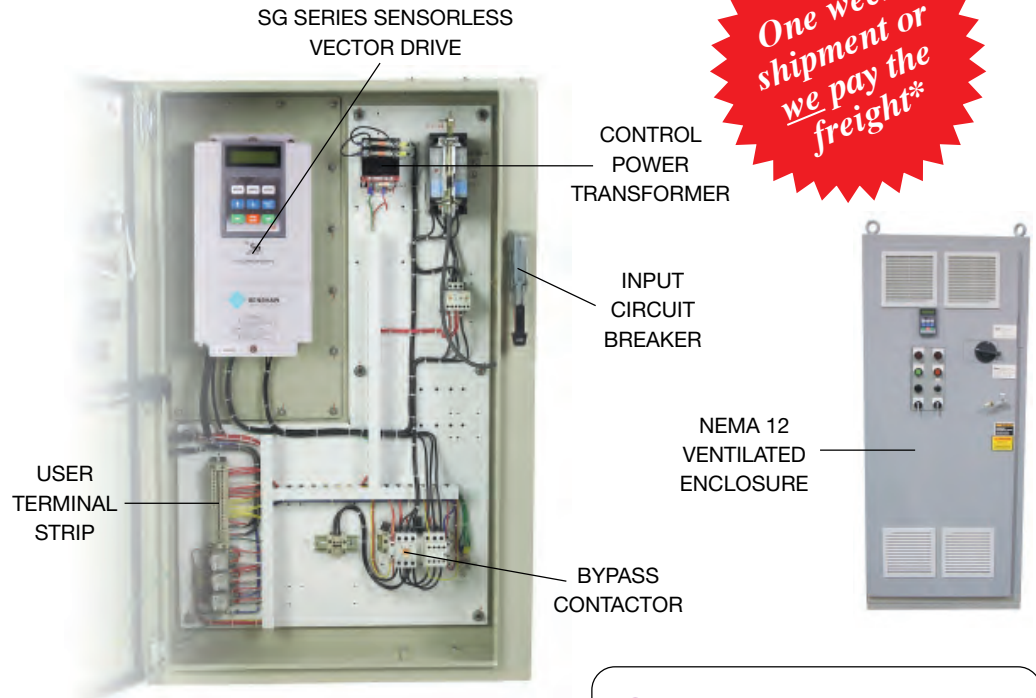
### OPERATING CONDITIONS

**Operating Temperature:**  
-10 C to 40 C

**Storage Temperature:**  
-20 C to 65 C

**Humidity:**  
Less than 90% RH max  
(non-condensing)

**Altitude:**  
3,300 ft. max.



*One week shipment or we pay the freight\**

## Program Highlights:

Benshaw's QuickShip packaged drives meet UL and CE approvals and are available with standard (7.5 to 125HP) and heavy duty (5 to 100HP) ratings to meet your drive requirements.

\*QuickShip drives are guaranteed to ship on time—as acknowledged—or we pay standard freight.

### Key Advantages:

- ◆ Standard and heavy duty ratings
- ◆ UL and CE approvals
- ◆ One week shipment
- ◆ Built to your specifications
- ◆ Door mounted keypad

### Standard Features:

- ◆ NEMA 12 ventilated enclosure with fans and filters
- ◆ SG Series Sensorless Vector Drive
- ◆ User terminal strip
- ◆ Door mounted keypad
- ◆ Control power transformer
- ◆ User input and output power connections
- ◆ -10 C to 40 C operating environment temperature range
- ◆ -20 C to 65 C storage temperature

### Options:

- ◆ Circuit breaker
- ◆ Disconnect fused or unfused
- ◆ Input line reactor
- ◆ Output line reactor
- ◆ 3 contactor bypass
- ◆ Door mounted operator station (6 configurations)

## 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."



# QuickShip Part Number Assembler

SGP 005 2 SD NC A 3B 1 12

## SG QuickShip Packaged Drives

### Horsepower

005 = 5hp  
 007 = 7.5hp  
 010 = 10hp  
 015 = 15hp  
 020 = 20hp  
 025 = 25hp  
 030 = 30hp  
 040 = 40hp  
 050 = 50hp  
 060 = 60hp  
 075 = 75hp  
 125 = 125hp

### Voltage

2 = 230V  
 4 = 460

### Duty Type

SD = 120% 1 min std duty  
 HD = 150% 1 min heavy duty

### Disconnect Option

NC = Non-combination  
 CB = Circuit breaker  
 FD = Fusible disconnect  
 CF = Non-fused disconnect  
 IF = Inline fuse

## Enclosure

12 = NEMA 12V

## Door Mounted Devices

1 = None  
 2 = Start/stop PB, reset PB, HOA switch, speed pot  
 3 = Option 2 plus power ON, VFD running, VFD fault light  
 4 = Start/stop PB, fault reset PB, HOA switch, speed pot, jog PB, fwd/rev switch, VFD fault light  
 5 = VFD/Off/bypass switch, bypass running light  
 6 = Start/stop PB, reset PB, HOA switch, speed pot, VFD running light, VFD/off/bypass switch, bypass running light

## Bypass Type

NN = None  
 3B = 3 Contactor bypass

## Reactor Options

A = No reactors  
 B = Input reactor  
 C = Output reactor  
 D = Input and output reactor

# QuickShip Cube Enclosure



## SGP SERIES

STANDARD DUTY RATED 120% O/L FOR 1 MINUTE

### 230VAC, 3-PHASE INPUT AND OUTPUT, 50/60HZ INPUT, NEMA 12 VENTILATED

MODEL NUMBER	HP	AMPS	DIMENSIONS (IN)			WGT (LBS)	LIST PRICE
			H	W	D		
SGP0072SDXXXXXX12	7.5	22	30	24	16	90	\$2,671.00
SGP0102SDXXXXXX12	10	28	30	24	16	93	\$3,049.00
SGP0152SDXXXXXX12	15	42	36	30	16	99	\$3,532.00
SGP0202SDXXXXXX12	20	54	36	30	16	104	\$4,041.00
SGP0252SDXXXXXX12	25	68	36	30	16	110	\$4,702.00
SGP0302SDXXXXXX12	30	80	36	30	16	148	\$5,318.00
SGP0402SDXXXXXX12	40	104	36	30	16	158	\$5,862.00

### 460VAC, 3-PHASE INPUT AND OUTPUT, 50/60HZ INPUT, NEMA 12 VENTILATED

MODEL NUMBER	HP	AMPS	DIMENSIONS (IN)			WGT (LBS)	LIST PRICE
			H	W	D		
SGP0074SDXXXXXX12	7.5	11	30	24	16	90	\$2,786.00
SGP0104SDXXXXXX12	10	14	30	24	16	93	\$3,211.00
SGP0154SDXXXXXX12	15	21	30	24	16	99	\$3,764.00
SGP0204SDXXXXXX12	20	27	30	24	16	104	\$4,041.00
SGP0254SDXXXXXX12	25	34	30	24	16	110	\$4,702.00
SGP0304SDXXXXXX12	30	40	36	30	16	148	\$5,318.00
SGP0404SDXXXXXX12	40	52	36	30	16	158	\$5,862.00
SGP0504SDXXXXXX12	50	65	36	30	16	174	\$8,175.00
SGP0604SDXXXXXX12	60	77	36	30	16	174	\$9,610.00
SGP0754SDXXXXXX12	75	96	36	30	16	178	\$10,512.00
SGP1004SDXXXXXX12*	100	125	46	30	16	259	\$12,417.00
SGP1254SDXXXXXX12*	125	156	46	30	16	259	\$14,353.00

- \* Dimensions will increase to 70x30x18 for units with three contactor bypass.
- Refer to pages 31 & 32 for options.

# QuickShip Cube Enclosure



## SGP SERIES

HEAVY DUTY RATED 150% O/L FOR 1 MINUTE

### 230VAC, 3-PHASE INPUT AND OUTPUT, 50/60HZ INPUT, NEMA 12 VENTILATED

MODEL NUMBER	HP	AMPS	DIMENSIONS (IN)			WGT (LBS)	LIST PRICE
			H	W	D		
SGP0052HDXXXXXX12	5	17	30	24	16	90	\$2,671.00
SGP0072HDXXXXXX12	7.5	23	30	24	16	90	\$3,049.00
SGP0102HDXXXXXX12	10	33	30	24	16	93	\$3,532.00
SGP0152HDXXXXXX12	15	44	36	30	16	99	\$4,041.00
SGP0202HDXXXXXX12	20	54	36	30	16	104	\$4,702.00
SGP0252HDXXXXXX12	25	68	36	30	16	110	\$5,318.00
SGP0302HDXXXXXX12	30	84	36	30	16	148	\$5,862.00

### 460VAC, 3-PHASE INPUT AND OUTPUT, 50/60HZ INPUT, NEMA 12 VENTILATED

MODEL NUMBER	HP	AMPS	DIMENSIONS (IN)			WGT (LBS)	LIST PRICE
			H	W	D		
SGP0054HDXXXXXX12	5	8	30	24	16	90	\$2,786.00
SGP0074HDXXXXXX12	7.5	11	30	24	16	90	\$3,211.00
SGP0104HDXXXXXX12	10	14	30	24	16	93	\$3,764.00
SGP0154HDXXXXXX12	15	21	30	24	16	99	\$4,041.00
SGP0204HDXXXXXX12	20	27	30	24	16	104	\$4,702.00
SGP0254HDXXXXXX12	25	34	36	30	16	110	\$5,318.00
SGP0304HDXXXXXX12	30	40	36	30	16	148	\$5,862.00
SGP0404HDXXXXXX12	40	52	36	30	16	158	\$8,175.00
SGP0504HDXXXXXX12	50	65	36	30	16	174	\$9,610.00
SGP0604HDXXXXXX12	60	77	36	30	16	174	\$10,512.00
SGP0754HDXXXXXX12*	75	96	46	30	16	178	\$12,417.00
SGP1004HDXXXXXX12*	100	125	46	30	16	259	\$14,353.00

- \* Dimensions will increase to 70x30x18 for units with three contactor bypass.
- Refer to pages 31 & 32 for options.

# QuickShip Options

MODULAR CONTROL OPTIONS TO CUSTOMIZE YOUR APPLICATION



OPTIONS	1	2	3	4	5	6
KEYPAD	1	1	1	1	1	1
START PB		1	1	1		1
STOP PB		1	1	1		1
RESET PB		1	1	1		1
HOA SWITCH		1	1	1		1
SPEED POT		1	1	1		1
RUN LIGHT			1			1
FAULT LIGHT			1	1		
POWER ON LIGHT			1			
JOG PB				1		
FWD/REV SWITCH				1		
VFD/OFF BYPASS SWITCH					1	1
BYPASS RUNNING LIGHT					1	1
	\$100.00	\$341.00	\$300.00	\$494.00	\$200.00	\$450.00

- If selecting a unit with bypass, you must select either option 5 or 6.
- Door mounted keypad is standard

# SG QuickShip Options

MODULAR POWER OPTIONS TO CUSTOMIZE YOUR APPLICATION



## 230VAC DRIVE ADDER

HP	CB	N-F DISC	FSD-DISC	INPUT FUSE	IN-REACT	OUT-REACT	3-CNT BY
5	\$295.00	\$235.00	\$529.00	\$99.00	\$259.00	\$259.00	\$545.00
7.5	\$295.00	\$235.00	\$529.00	\$165.00	\$297.00	\$297.00	\$545.00
10	\$295.00	\$235.00	\$529.00	\$188.00	\$301.00	\$301.00	\$545.00
15	\$295.00	\$235.00	\$659.00	\$214.00	\$308.00	\$308.00	\$823.00
20	\$302.00	\$235.00	\$659.00	\$367.00	\$327.00	\$327.00	\$976.00
25	\$302.00	\$588.00	\$1,459.00	\$367.00	\$414.00	\$414.00	\$1,129.00
30	\$543.00	\$588.00	\$1,459.00	\$416.00	\$438.00	\$438.00	\$1,129.00
40	\$687.00	\$824.00	\$1,471.00	\$471.00	\$664.00	\$664.00	\$1,600.00

## 460VAC DRIVE ADDER

HP	CB	N-F DISC	FSD-DISC	INPUT FUSE	IN-REACT	OUT-REACT	3-CNT BY
5	\$295.00	\$235.00	\$412.00	\$99.00	\$290.00	\$290.00	\$545.00
7.5	\$295.00	\$235.00	\$412.00	\$99.00	\$315.00	\$315.00	\$545.00
10	\$295.00	\$235.00	\$412.00	\$99.00	\$350.00	\$350.00	\$545.00
15	\$295.00	\$235.00	\$412.00	\$165.00	\$400.00	\$400.00	\$545.00
20	\$295.00	\$235.00	\$494.00	\$188.00	\$423.00	\$423.00	\$545.00
25	\$295.00	\$305.00	\$494.00	\$200.00	\$423.00	\$423.00	\$640.00
30	\$475.00	\$305.00	\$538.00	\$214.00	\$490.00	\$490.00	\$800.00
40	\$475.00	\$353.00	\$720.00	\$367.00	\$515.00	\$515.00	\$900.00
50	\$475.00	\$353.00	\$720.00	\$367.00	\$575.00	\$575.00	\$1,125.00
60	\$475.00	\$835.00	\$1,212.00	\$416.00	\$585.00	\$585.00	\$1,125.00
75	\$475.00	\$835.00	\$1,212.00	\$471.00	\$795.00	\$795.00	\$1,570.00
100	\$475.00	\$950.00	\$1,492.00	\$682.00	\$890.00	\$980.00	\$1,570.00
125	\$850.00	\$950.00	\$1,492.00	\$710.00	\$1,090.00	\$1,090.00	\$1,650.00