

Cornell Model SG Operator

Super Duty Gear Head Operators

Designed For Continuous Use

Features and Benefits

- Totally Enclosed Fan Cooled (TEFC) motor provided as standard.
- Compact Operator/Mounting Configuration is ideal for coiling doors - operators always fit within the coil height dimension.
- Consistent Mounting, Appearance, Wiring - across full line of Cornell operator models.
- Considerably Lighter Weight than competitive gear head operator models! A 1/2 HP SG weighs 51 lbs., whereas a competing 1/2 HP gear head weighs 85 lbs.
- Auxiliary Chain for emergency operation, just pull to operate.
- UL Listed



New Logic Technology

Cornell's SG series operators offers the following logic technology features as standard:

- Programmable 7 Segment LED Display
- Cycle Counter
- Terminal connection for a monitored entrapment protection device
- Timer to Close, Mid Open Timer, Open Warning Timer
- On Board Open and Close Limit Signaling Connections

- 24VDC close warning output signal
- On board Open/Close/Stop buttons

Optional Features:

- Module for up to two additional monitored entrapment protection devices

SG Series Operators Standard Features

Operator

Design configuration is ideal for coiling door products. Continuous duty, high starting torque with overload protection. Available in 1/2, 3/4, 1, 1 1/2, 2, 3, 5 and 7 1/2 HP; single-phase capacitor start to 1 1/2 HP and three phase motors available.

Drive Reduction

Lubricated, heavy-duty gears.

Overload Protection

Prevents motor burnout.

Limit Switches

Linear driven, fully adjustable screw type cams. Removal of motor does not affect limit switch settings.

Operator Safety Feature

Activating "Open," "Stop" or a remote transmitter button will stop movement of a closing door.

Pre-Wired for Sensing Edge / Sensing Devices

A sensing edge, photo eyes or other detection devices can be easily connected. Standard one second time delay prior to reversing prevents damage to door and operator.

Auxiliary Chain Hoist

Automatically engages and disengages as hand chain is operated.

Standard Exterior Radio Control Terminal

Provides for easy and fast connection of radio controls.

Brake

Maintenance free, solenoid actuated brake - No adjustment required for the life of the operator.

Bearings

Heavy-duty bearings are used at all rotation points.

Motor modifications and accessories are available. Consult factory with specific requirements.

CORNELL

SAFE AND SECURE

Cornell Model SG Operators

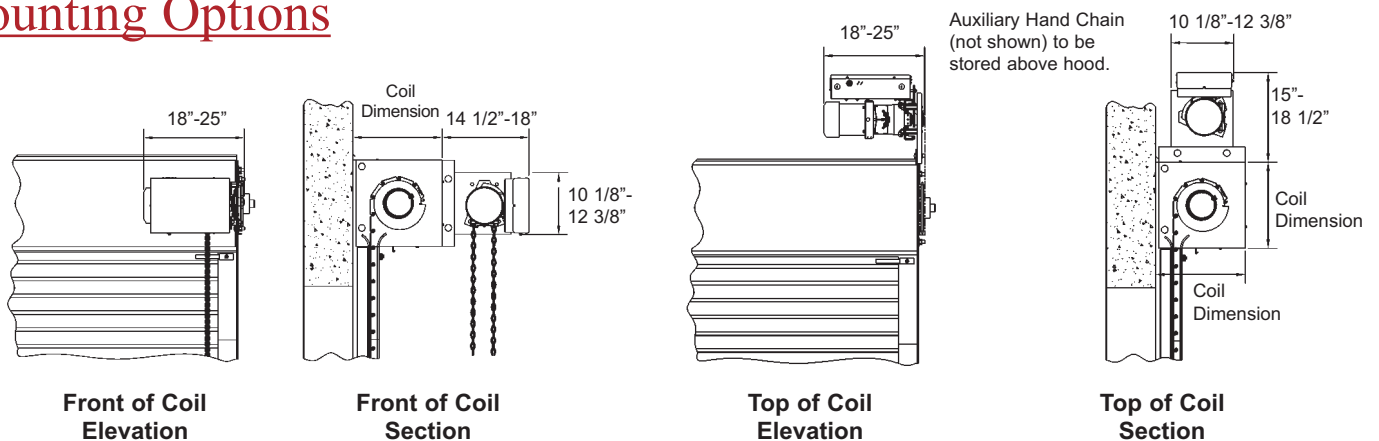
Model SG Operator Variations

Operator Code	SGH 50	SGH 75	SGH 100	SGH 150	SGH 200
Horsepower	1/2 hp	3/4 hp	1 hp	1 1/2 hp	2 hp
Voltage	115V/230V 460V	115V/230V 460V	115V/230V 460V	115V/230V 460V	230V/460V
Phase	1 & 3	1 & 3	1 & 3	1 & 3	3
Frequency	60 Hz.	60 Hz.	60 Hz.	60 Hz.	60 Hz.
Duty	Continuous	Continuous	Continuous	Continuous	Continuous
Drive Chain	#50	#50	#60	#60	#80
Auxiliary Hand Chain	Included	Included	Included	Included	Included

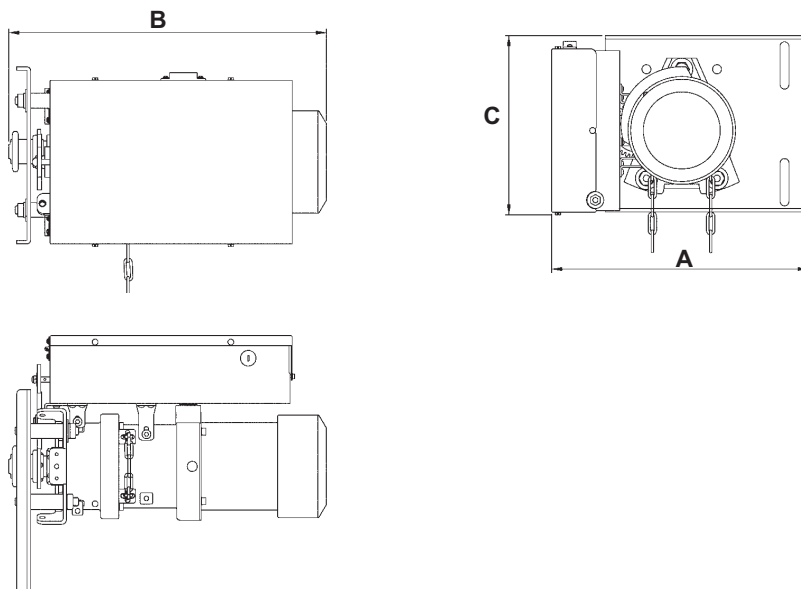
Note: 3, 5 and 7 1/2 HP operators are available. Contact Cornell for details.

Above products are protected by patent #6,055,885. Other patents are pending.

Mounting Options



Details and Clearances



	SGH Series		
	A	B	C
1/2 HP	14 1/2"	18"	10 1/8"
3/4 HP	14 1/2"	18 5/8"	10 1/8"
1 HP	14 5/8"	20"	12 3/8"
1 1/2 HP	14 5/8"	20 3/4"	12 3/8"
2 HP	15"	25"	11"

CORNELL

SAFE AND SECURE

An ISO 9001:2008 Registered Company

Crestwood Industrial Park
Mountaintop, PA 18707

TEL 800.233.8366 • FAX 800.526.0841

Architect & Design Support Services: Ext. 551

Email: ADS@cornelliron.com

Website: www.cornelliron.com