

Models SGH motor operators include the following features:

- c-UL-us Listed (UL325-2010 Compliant)
- High efficiency in-line gear reducer
- Low profile design with horizontal front of coil mounting
- Solid-state control board
- On-board open-close-stop buttons
- On-board non-resettable cycle counter
- On-board reclose timer
- NEMA 1 enclosures
- Operating temperature min. 23 deg. F non-icing, max. 122 deg. F / Humidity <85% non-condensing
- Provisions for connection of monitored & non-monitored sensing devices (multiple monitored sensing devices optional)
- Selectable constant or momentary pressure open & close
- External radio control receiver connections
- 24 volt control circuit
- Overload protection
- Adjustable linear driven limit switches
- 3-button open-close-stop wall mount control station
- Interlocked chain hoist for emergency operation

Model SGH – In-line Gear Drive Operator with Auxiliary Hoist

- For all sizes of service doors and grilles in standard cycle usage (up to 20,000 cycles – not exceeding 40 cycles per hour) or higher cycle usage (up to 100,000 cycles - not exceeding 40 cycles per hour) applications - *refer to HP SELECTION GUIDE for additional information and size limits*
 - Average operating speed of 6" to 8" per second
 - Continuous duty TEFC motor
 - Solenoid actuated disc brake
 - Delay on reverse function (*requires door/grille be provided with a monitored sensing device*)
 - 1/2, 3/4, 1 and 1 1/2 HP – 115v-1ph, 230v-1ph, 208/230v-3ph, 460v-3ph, 575v-3ph (*not all models are available in all HP*)
 - 2, 3 and 5 HP – 208/230v-3ph, 460v-3ph, 575v-3ph
- NOTE: Consult factory for availability of other voltages and 50 Hz operators*

Environmental Modification Options**NEMA 4 – Water-tight Modification (Model SGHN4)**

- Intended for installations with direct exposure to water
- Also satisfies requirements for NEMA 12 oil and dust-tight applications
- WDN motor
- Water-tight control panel enclosure and conduits
- Stainless steel roller chain and hand chain
- NEMA 4 3-button control station

NEMA 4X – Corrosion Resistant Modification (Model SGHNX)

- Intended for installations in corrosive environments
- Also satisfies requirements for NEMA 4 water-tight and NEMA 12 oil and dust-tight applications
- WDN motor
- Stainless steel control panel enclosure and conduits
- Corrosion resistant materials or coatings on other components where possible
- Stainless steel roller chain and hand chain
- NEMA 4X non-metallic 3-button control station

NEMA 7/9 – Hazardous Area “Explosion Proof” Modification (Model SHN79)

- Intended for installations in Class I, Division 1, Groups C & D / Class II, Division 1, Groups E, F and G locations
- UL 1203 and UL 325 Listed
- Intrinsically safe circuit for connection of standard control station and monitored sensing edge (when provided)

Per the requirements of UL Standard 325, commercial door operators must be provided with an actuating device requiring constant pressure to close the door and located within line of sight of the door. As an alternative, the door may be provided with a monitored sensing device that will reverse the door upon sensing an obstruction during closing. Upon monitoring a sensing system fault condition, the door will stay in or return to the open position and revert to a constant pressure close function to allow partial operability until the fault is corrected.



Motor Operators
STANDARD CONSTRUCTION
 Service Doors & Grilles

Models MGH motor operators include the following features:

- c-UL-us Listed (UL325-2010 Compliant)
- High efficiency in-line gear reducer
- Low profile design with horizontal front of coil mounting
- Solid-state control board
- On-board open-close-stop buttons
- On-board non-resettable cycle counter
- On-board reclose timer (option)
- NEMA 1 enclosures
- Operating temperature min. 23 deg. F non-icing, max. 122 deg. F / Humidity <85% non-condensing
- Provisions for connection of monitored & non-monitored sensing devices (multiple monitored sensing devices optional)
- Selectable constant or momentary pressure open & close
- External radio control receiver connections
- 24 volt control circuit
- Overload protection
- Adjustable linear driven limit switches
- 3-button open-close-stop wall mount control station
- Interlocked chain hoist for emergency operation

Model MGH – In-line Gear Drive Operator with Auxiliary Hoist

- For service doors and grilles in standard cycle usage applications (up to 20,000 cycles – not exceeding 20 cycles per hour)

MAXIMUM AREA - SQ. FT.							
Service Doors				Insulated Doors - Ti Slat w/ PVC Back			
24 ga	22 ga	20 ga	18 ga	24 ga	22 ga	20 ga	18 ga
ALL	448	373	280	ALL	344	299	236
Insulated Doors - 3i Slat w/ Steel Back						Grilles	
22 ga	20 ga	18 ga	22 ga	20 ga	18 ga	Aluminum	Steel or Stainless
24 ga Back			22 ga Back				
263	236	195	249	224	187	746	375

- Average operating speed of 6" to 8" per second
- TENV motor
- Solenoid actuated disc brake
- Interlocked lever release for connection to optional emergency egress device
- 1/2 HP – 115v-1ph, 230v-1ph, 208v/230v-3ph, 460v-3ph, 575v-3ph
NOTE: Consult factory for availability of other voltages and 50 Hz operators

Environmental Modification Options

Car Wash Modification (Model MGHC)

- Intended for installations with indirect exposure to splashing water

Per the requirements of UL Standard 325, commercial door operators must be provided with an actuating device requiring constant pressure to close the door and located within line of sight of the door. As an alternative, the door may be provided with a monitored sensing device that will reverse the door upon sensing an obstruction during closing. Upon monitoring a sensing system fault condition, the door will stay in or return to the open position and revert to a constant pressure close function to allow partial operability until the fault is corrected.



**Motor Operators w/ Lock Sensor
STANDARD CONSTRUCTION**

Doors, Grilles & Closure Products

Models MGRL motor operator includes the following features:

- c-UL-us Listed (UL325-2010 Compliant)
- High efficiency in-line gear reducer
- Low profile design with horizontal front of coil mounting
- Solid-state control board
- On-board open-close-stop buttons
- On-board non-resettable cycle counter
- On-board reclose timer option
- Operating temperature min. 23 deg. F non-icing, max. 122 deg. F / Humidity <85% non-condensing
- Provisions for connection of monitored & non-monitored sensing devices (multiple monitored sensing devices optional)
- Selectable constant or momentary pressure open & close
- External radio control receiver connections
- 24 volt control circuit
- Overload protection
- Adjustable linear driven limit switches
- 3-button open-close-stop wall mount control station
- NEMA 1 enclosures

Model MGRL – In-line Gear Drive Operator with Internal Lock Sensor and Auxiliary Release*
(available with optional auxiliary hoist)

* Consideration should be given to the type and size of door/grille/closure on which the MGRL motor operator with auxiliary release is used, as it must be manually lifted open for emergency operation

- For service doors, counter service doors, grilles, counter grilles & closure products with locks in standard cycle usage applications (up to 20,000 cycles - not exceeding 20 cycles per hour)

MAXIMUM AREA - SQ. FT.							
Service Doors				Insulated Doors - Ti Slat w/ PVC Back			
24 ga	22 ga	20 ga	18 ga	24 ga	22 ga	20 ga	18 ga
373	299	249	187	271	230	199	157
Insulated Doors - 3i Slat w/ Steel Back						Grilles & Closures	
22 ga	20 ga	18 ga	22 ga	20 ga	18 ga	Aluminum	Steel or Stainless
24 ga Back			22 ga Back				
176	157	130	166	149	124	498	299
Counter Service Doors & Counter Grilles							
120 sq. ft. with steel, stainless steel or aluminum curtains							

- Average operating speed of 6" to 8" per second
- TENV motor
- Solenoid brake
- Internal lock sensor to stop opening of door/grille/closure upon sensing that locks are engaged
- Interlocked lever release for emergency push-up operation or connection to optional emergency egress device
- Interlocked chain hoist for emergency operation (requires field installed MGRL-H modular hoist conversion option)
- 1/3 HP – 115v-1ph

NOTE: Consult factory for availability of other voltages and 50 Hz operators

Per the requirements of UL Standard 325, commercial door operators must be provided with an actuating device requiring constant pressure to close the door and located within line of sight of the door. As an alternative, the door may be provided with a monitored sensing device that will reverse the door upon sensing an obstruction during closing. Upon monitoring a sensing system fault condition, the door will stay in or return to the open position and revert to a constant pressure close function to allow partial operability until the fault is corrected.

Model STK tubular motor operators include the following features:

- c-UL-us Listed (UL325-2010 Compliant)
- High efficiency in-line gear reducer
- In-barrel design requiring no additional clearance
- In-line motor, gear reduction and brake
- Separate wall mount control panel
- Solid-state control board
- On-board open-close-stop buttons
- On-board non-resettable cycle counter
- Operating temperature min. 23 deg. F non-icing, max. 122 deg. F / Humidity <85% non-condensing
- On-board reclose timer option
- Selectable constant or momentary pressure open & close
- External radio control receiver connections
- 24 volt control circuit
- Overload protection
- Electronic limit switches
- 3-button open-close-stop wall mount control station
- NEMA 1 enclosures

Model STK –Tubular Motor Operator

- For all counter doors and counter grilles in limited cycle usage (up to 10,000 cycles – not exceeding 10 cycles per hour) applications
 - Average operating speed of 6" to 8" per second
 - Interlocked crank override for emergency operation
 - 1 year warranty
 - 1/2 HP – 115v-1ph
- NOTE: Consult factory for availability of other voltages or 50 Hz operators*

Model **STK5011-CP** includes the standard features listed above, with

- Constant pressure open and close functions only
- Provision for connection of external guide mount interlocks

Model **STK5011-EP** includes the standard features listed above, with

- Selectable constant or momentary pressure open & close
- On-board reclose timer
- External radio control receiver connections
- Provisions for connection of monitored & non-monitored sensing devices (multiple monitored sensing devices optional)

Per the requirements of UL Standard 325, commercial door operators must be provided with an actuating device requiring constant pressure to close the door and located within line of sight of the door. As an alternative, the door may be provided with a monitored sensing device that will reverse the door upon sensing an obstruction during closing. Upon monitoring a sensing system fault condition, the door will stay in or return to the open position and revert to a constant pressure close function to allow partial operability until the fault is corrected.