

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
- Interlocked chain hoist for emergency operation
- 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 SGH – In-line Gear Drive Operator with Auxiliary Hoist

- For all sizes of service doors and grilles in standard cycle usage (up to 50,000 cycles - not exceeding 40 cycles per hour) or high 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, 1 and 1 1/2 HP – 115v-1ph, 230v-1ph, 208/230v-3ph, 460v-3ph, 575v-3ph
 - 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 SGH-N4)

- 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 SGH-NX)

- 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

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)
- Interlocked chain hoist for emergency operation
- 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 MGH – In-line Gear Drive Operator with Auxiliary Hoist

- For service doors and grilles in standard 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	350	300	225	ALL	275	240	185
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				
210	190	160	200	180	150	600	350

- 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 MGH-C)

- 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 & MGRL-H 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
- 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*

Model MGRL-H – In-line Gear Drive Operator with Internal Lock Sensor and 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
300	240	200	150	215	185	160	125
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				
140	125	105	135	120	100	400	240
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.