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ELECTRIC**
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Multiple Stage / Chain Drive

- **Applications:** Light duty vehicular slide gates, with a maximum length of 14 feet and a maximum weight of 150 pounds. Maximum cycles per hour -5 (one cycle equals full open and full close). Designed for chain link, tubular, ornamental iron or aluminum gates. No solid gates.
- **Construction:** Enclosure—14-gauge painted galvanized steel. Enclosure cover—weather sealed, Hi-Impact plastic. Overall, operator dimensions are: 10-7/8" x 12-3/8" x 17-3/4".
- **Motor:** 1/3 H.P. 115 VAC. Single phase, 60 Hz., P.S.C. (Permanent split capacitor), with integral thermal overload.
- **Drive System:** Motor drives a worm gear reducer. The output of the gear reducer drives a #65 drive sprocket, which drives the gate.
- **Gate Speed:** Depending on gate, 13 to 17 seconds to open or close a 14 foot gate.
- **Features:** Built-in, adjustable full open and close limit switches. All control features are controlled by a single, solid state circuit board, which incorporates the following: Maximum run timer, reversal delay, easy left hand / right hand conversion, varistor surge protection and power on indicator. Operator has a built-in entrapment sensing feature, which when activated will reverse a closing gate or stop a opening gate.
- **Approvals:** U.L. and C.S.A. listed



**MODEL 530
Light Duty
Vehicular
Slide Gate
Operator**

Multiple Stage / Chain Drive

- **Applications:** Light to medium duty vehicular slide gate with a maximum length of 26 feet and maximum weight of 700 pounds. Maximum cycles per hour -20 (one cycle equals full open and full close). Designed for most types of constructed gates.
- **Construction:** Main frame is 10-gauge hot rolled steel. Mounting channels are 10-gauge hot rolled steel. Enclosure is 16-gauge galvanized steel. All metal parts are either powder coated, painted in baked enamel or zinc plated for corrosion resistance.
- **Motor:** The model 540 is available in either 1/3 H.P. or 1/2 H.P. motors. The 1/3 H.P. motor is available in 115 VAC - single phase or 230 VAC single phase. NEMA 56 style frame and has resilient mounting. 1770 no load R.P.M. The 1/2 H.P. motor is available in either 115 VAC or 230 VAC single phase or 230 VAC three phase. All 1/2 H.P. motors are NEMA 56 style frame. 1770 R.P.M. no load. The service factor is 1.0. All single phase motors incorporate an internal thermal overload protector.
- **Drive System:** Two stage speed reduction system. First stage is a 3.5:1 reduction using a 4L V-belt drive system. Second stage is a 5.3:1 reduction using #41 chain and sprockets. Final output to drive the gate is #41 chain and sprockets. Drive system incorporates a slipping type friction clutch.
- **Gate Speed:** Gate will open / close at approximately 12 inches per second.
- **Features:** NEMA size "0" motor reversing contactor. Adjustable rotary limit switch assembly for complete control of full open and close positioning. Solenoid activated caliper type brake system. Advance Audio Warning, provides audible warning 3 to 5 seconds prior to and during gate movement. Delay on reverse, protects the gate system from shock loads on reversal. Maximum run timer prevents extended run time should there be an obstruction. Mechanical disconnect for manual operation.
- **Systems:** The model 540 will accept most access control and safety management systems.
- **Approvals:** U.L., C.U.L. and C.S.A. listed.

**MODEL 540
Light to
Medium Duty
Vehicular
Industrial
Swing Gate
Operator****MODEL 550
Medium Duty
Vehicular
Slide Gate
Operator**

- **Applications:** Medium duty vehicular slide gate, with a maximum length of 46 feet and maximum weight of 1200 pounds. Maximum cycles per hour - 30 (one cycle equals full open and full close). Designed for most types of constructed gates.
- **Construction:** Main frame is 10-gauge, hot rolled steel. Mounting channels are 10-gauge, hot rolled steel. Enclosure is 16-gauge galvanized steel. All metal parts are either powder coated, painted in baked enamel or zinc plated for corrosion resistance.
- **Motor:** The model 550 is available in either 1/2 H.P. or 3/4 H.P. motor. The 1/2 H.P. motor is available in 115VAC - single phase or 230 VAC single phase, 230 VAC three phase, and 460 VAC three phase. NEMA 56 style frame. 1770 no load R.P.M. The 3/4 H.P. motor is available in either 115 VAC or 230 VAC single phase or 230 VAC or 460 VAC, three phase. All 3/4 H.P. motors are NEMA 56 style frame. 1770 with no load R.P.M. All motors have a 1.0 service factor. All single phase motors incorporate an internal thermal overload protector.
- **Drive System:** Two stage speed reduction system. First stage is a 3.5:1 reduction using a 4L V-belt drive system. Second stage is a 5.3:1 reduction using #41 chain and sprockets. Final output to drive the gate is #40 chain and sprockets. Drive system incorporates a slipping type, friction clutch.
- **Gate Speed:** Gate will open / close at approximately 12 inches per second.
- **Features:** NEMA size "0" motor reversing contactor. Adjustable rotary limit switch assembly for complete control of full open and close positioning. Solenoid activated caliper type brake system. Advance Audio Warning, provides audible warning 3 to 5 seconds prior to and during gate movement. Delay on reverse, protects the gate system from shock loads on reversal. Maximum run timer, prevents extended run time should there be an obstruction. Mechanical disconnect for manual operation. Heavy duty ball bearings used on intermediate and output shafts.
- **Systems:** The model 550 will accept most access control and safety management systems.
- **Approvals:** U.L., C.U.L. and C.S.A. listed.

- **Applications:** Heavy duty vehicular slide gate, with a maximum length of 50 feet and maximum weight of 1800 pounds. Maximum cycles per hour - 30 (one cycle equals full open and full close) Designed for most types of constructed gates.
- **Construction:** Main frame is 10-gauge, hot rolled steel. Mounting channels are 10-gauge, hot rolled steel. Enclosure is 16-gauge, galvanized steel. All metal parts are either powder coated, painted in baked enamel, or zinc plated for corrosion resistance.
- **Motor:** The model 570 incorporates a 1 H.P. motor. Available in 115 VAC or 230 VAC single phase, 230 VAC or 460 VAC three phase. All motors are NEMA 56 style frame, with 1770 no load R.P.M. and a 1.0 service factor. They are T.E.N.V. (totally enclosed non vented). All single phase motors incorporate an internal thermal overload, which protects both the start and run windings. All three phase motors incorporate an external thermal overload.
- **Drive System:** Two stage speed reduction system. First stage is a 3.5:1 reduction using a 4L cogged V-belt drive system. Second stage is a 5.3:1 reduction using #41 chain and sprockets. Final output to drive the gate is #50 chain and sprockets. Drive system incorporates a slipping type friction clutch with dual pads.
- **Gate Speed:** Gate will open / close at approximately 12 inches per second.
- **Features:** NEMA size "0" motor reversing contactor. Adjustable rotary limit switch assembly for complete control of full open and close positioning. Solenoid activated caliper type brake system. Advance Audio Warning, provides audible warning 3 to 5 seconds prior to and during gate movement. Delay on reverse, protects the gate system from shock loads on reversal. Maximum run timer, prevents extended run time should there be an obstruction. Mechanical disconnect for manual operation. Heavy duty ball bearings used on intermediate and output shafts.
- **Systems:** The model 570 will accept most access control and safety management systems.
- **Approvals:** U.L., C.U.L. and C.S.A. listed.

**MODEL 570
Heavy Duty
Vehicular
Slide Gate
Operator**

Multiple Stage / Intelligent / Chain Drive

- **Applications:** Light to medium duty vehicular slide gates, with a maximum length of 36 feet and a maximum weight of 900 pounds. Maximum cycles per hour - 30 (one cycle equals full open and full close). For use on most types of gate construction.
- **Construction:** Main frame is 10-gauge, hot rolled steel. Mounting channels are 10-gauge, hot rolled steel. Enclosure is 16-gauge, galvanized steel. All metal parts are either powder coated, painted in baked enamel, or zinc plated for corrosion resistance. Can be either pad or post mounted.
- **Motor:** The model 545 is available in either 1/3 or 1/2 H.P. The 1/3 H.P. motor is available in 115 VAC, or 230 VAC. Single phase, with NEMA 56 frame, resilient mounting, and internal thermal overload protector. The 1/2 H.P. motor is available in single phase, dual voltage (115 VAC / 230 VAC) and three phase dual voltage (230 VAC / 460 VAC). All 1/2 H.P. motors are NEMA 56 frame, T.E.N.V., with a 1.0 service factor and are 1770 no load R.P.M. They incorporate a built-in "voltage change plug", which requires no rewiring of the motor to change voltage. Single phase 1/2 H.P. motors incorporate an electronic reversing switch. Both 1/2 H.P. single and three phase motors use an internal thermal overload with automatic reset.
- **Drive System:** Two stage reduction system. First stage is a 3.5:1 reduction using a 4L V-belt drive system. Second stage is 5.3:1 reduction using #41 chain and sprocket. Final output to drive the gate is #41 chain and sprockets. A pressure type slipping clutch is incorporated into the drive system and also a solenoid activated caliper disc brake is used.
- **Gate Speed:** Gate will open / close at approximately 12 inches per second.
- **Features:** NEMA size "0" motor reversing contactor with mechanical interlocks. Adjustable rotary limit switch assembly for complete control of full open and close positioning. 70 VA control transformer. 20 VA isolation transformer. Advance Audio warning provides audible warning 3 to 5 seconds prior to and during gate movement. Maximum run shut off system. Reversal delay circuitry, protects the gate system from shock loads on reversal. Mid-open circuit, allows gate to be only partially opened. Right hand / Left hand conversion simply done by programming. Built-in time delay to close with settable times. Programmable master / slave system. Built-in entrapment sensing feature, R.P.M. sensor will react if an obstruction is encountered during opening or closing. Microprocessor control with non-volatile memory. Built-in external warning circuits. Isolation interface circuit board, all inputs and outputs go through this board for protection of the microprocessor. Completely programmable with L.E.D. indicators. Contains "Teach-Learn" circuits.
- **Systems:** The model 545 will accept most access control and safety management systems.
- **Approvals:** U.L. and C.U.L. listed.

**MODEL 545
Light to
Medium Duty
Intelligent
Vehicular
Slide Gate
Operator****MODEL 575
Heavy Duty
Intelligent
Vehicular
Slide Gate
Operator**

- **Applications:** Medium to heavy duty vehicular slide gates, with a maximum length of 60 feet and a maximum weight of 1800 pounds. Maximum cycles per hour - 30 (one cycle equals full open and full close). For use on most types of gate construction.
- **Construction:** Main frame is 10-gauge, hot rolled steel. Mounting channels are 10-gauge, hot rolled steel. Enclosure is 16-gauge, galvanized steel. All metal parts are either powder coated, painted in baked enamel, or zinc plated for corrosion resistance. Can be either pad or post mounted.
- **Motor:** The model 575 incorporates a 1 H.P. motor. The 1 H.P. motors are available in single phase, dual voltage (115 VAC / 230 VAC) and three phase dual voltage (230 VAC / 460 VAC). All 1 H.P. motors are NEMA 56 frame, T.E.N.V., with a 1.0 service factor and are 1770 no load R.P.M. They incorporate a built-in "voltage change plug", which requires no rewiring of the motor to change voltage. Single phase 1 H.P. motors incorporate an electronic reversing switch. Both 1 H.P. single and three phase motors use an internal thermal overload with automatic reset.
- **Drive System:** Two stage reduction system. First stage is a 3.5:1 reduction using a 4L cogged V-belt drive system. Second stage is 5.3:1 reduction using #41 chain and sprocket. Final output to drive the gate is #50 chain and sprockets. A pressure type slipping clutch with dual pads is incorporated into the drive system and also a solenoid activated caliper disc brake is used.
- **Gate Speed:** Gate will open / close at approximately 12 inches per second.
- **Features:** NEMA size "0" motor reversing contactor with mechanical interlocks. Adjustable rotary limit switch assembly for complete control of full open and close positioning. 70 VA control transformer. 20 VA isolation transformer. Advance Audio warning provides audible warning 3 to 5 seconds prior to and during gate movement. Maximum run shut off system. Reversal delay circuitry, protects the gate system from shock loads on reversal. Mid-open circuit, allows gate to be only partially opened. Right hand / Left hand conversion simply done by programming. Built-in time delay to close with settable times. Programmable master / slave system. Built-in entrapment sensing feature. R.P.M. sensor will react if an obstruction is encountered during opening or closing. Microprocessor control with non-volatile memory. Built-in external warning circuits. Isolation interface circuit board, all inputs and outputs go through this board for protection of the microprocessor. Completely programmable with L.E.D. indicators. Contains "Teach-Learn" circuits.
- **Systems:** The model 575 will accept most access control and safety management systems.
- **Approvals:** U.L. and C.U.L. listed.

STANLEY Slide Gate Operators — Specifications

Multiple Stage / Gear Head / Chain Drive

- **Applications:** Heavy duty, industrial, vehicular gates that are either or extremely heavy and oversized. Cycle rates will depend on size and weight of the gate.
- **Construction:** Main frame is 3/16" thick, hot rolled steel. Side base plates are 1/4" thick, hot rolled steel. Enclosure is 16-gauge, galvanized steel. All metal parts are either powder coated, painted in baked enamel or zinc plated for corrosion resistance.
- **Motor:** 2 H.P., dual voltage (230 / 460 VAC) three phase, T.E.N.V. (totally enclosed non vented), NEMA 56 C face frame style, 1770 no load R.P.M., with external manual reset overload protection.
- **Drive System:** Two stage reduction system. First stage is a heavy duty cast iron, 20:1 worm gear reducer. Second stage reduction is achieved by #50 sprocket and chain (2.4:1).
- **Gate Speed:** Will open / close a gate at approximately 9 inches per second.
- **Features:** NEMA size "0" motor reversing contactor. 70 VA control transformer. Manual disconnect and hand crank for manual operation of gate. #50 output drive system, sprockets and chain. Available in two styles of limit switches systems, rotary limit switch assembly for smaller gates and for longer gates, NEMA 4 external limit switches are used. Solenoid activated caliper style brake system. Heavy duty, multiple disc, torque limiter. Advance audio warning provides audible warning 3 to 5 seconds prior to and during gate movement. Delay on reverse, protects the gate system from shock loads on reversal. Maximum run timer.
- **Systems:** The model 590 will accept most access control and safety management systems.



**MODEL 590
Heavy Duty
Industrial
Vehicular
Slide Gate
Operator**

STANLEY® Slide Gate Operators — Specifications

Hydraulic Drive Systems

- **Applications:** Heavy duty, industrial, vehicular gates, with a maximum length of 80 feet and a maximum weight of 3000 lbs. Continuous duty rated.
- **Construction:** Main frame is 6-gauge, hot rolled steel. Enclosure is 14-gauge galvanized steel. Pivot arms are 3/8" thick, hot rolled steel. All metal parts are either powder coated, painted in a baked enamel or zinc plated for corrosion resistance.
- **Drive System:**
 - A.C. Motor:** 1 H.P. T.E.F.C. (totally enclosed fan cooled), continuous duty rated, NEMA 56 C face, 3450 no load R.P.M., internal thermal overload with manual resets, available in 115 VAC or 230 VAC single phase and 230 VAC or 460 VAC three phase.
 - Hydraulic Pump:** 3 G.P.M. (gallons per minute), built-in relief valve, built-in check valves, 600 p.s.i., roller bearings, full (lovejoy)™ flexible coupling, incorporates a by-pass valve with handle, and a two position, four way, I.S.O.3 /DO1 directional valve.
 - Hydraulic Motors:** Approximate displacement is 12 cubic inches. Steel encapsulated thrust bearing, free wheeling rotor construction for manual operation, double pressure zone, does not require case drain, roller-vane construction, self adjusting, no timing required.
 - Hoses:** S.A.E. 100 R1, type AT. Single wire braid, 3/8" I.D., minimum burst pressure - 9,000 P.S.I.
- **Gate Speed:** Will open / close gate at approximately 18 inches per second.
- **Features:** NEMA size to "0" contactor with mechanical interlocks, 70 VA control transformer, NEMA 4/13 limit switches, incorporates Stan-Track guide system. Maximum run timer circuit, delay on reverse, protects gate system from shock loads on reversal, aluminum drive rails available in 8 and 20 foot sections, dual, polyurathane / alum. hub, 1-1/2" wide drive wheels, low silhouette profile, plug-in relays, 500 pound compression springs used on suspension system.
- **Systems:** The model 670 will accept most access control and safety management systems.
- **Approvals:** U.L. listed.

MODEL 670 Medium to Heavy Duty Industrial Vehicular Slide Gate Operator

MODEL 690 Heavy Duty Industrial Vehicular Slide Gate Operator

- **Applications:** Heavy duty, industrial, vehicular gates, with a maximum length of 80 feet and a maximum weight of 5000 lbs. Continuous duty rated.
- **Construction:** Main frame is 6-gauge, hot rolled steel. Enclosure is 14-gauge galvanized steel. Pivot arms are 3/8" thick, hot rolled steel. All metal parts are either powder coated, painted in a baked enamel or zinc plated for corrosion resistance.
- **Drive System:**
 - A.C. Motor:** 2 H.P. T.E.F.C. (totally enclosed fan cooled), continuous duty rated, NEMA 56 C face, 3450 no load R.P.M., internal thermal overload with manual reset, available in 230 VAC or 460 VAC three phase.
 - Hydraulic Pump:** 3 G.P.M. (gallons per minute), built-in relief valve, built-in check valve, 1500 p.s.i., roller bearings, full (lovejoy)™ flexible coupling, incorporates a by-pass valve with handle, and a two position, four way, I.S.O.3 /DO1 directional valve.
 - Hydraulic Motors:** Approximate displacement is 12 cubic inches. Steel encapsulated thrust bearing, free wheeling rotor construction for manual operation, double pressure zone, does not require case drain, roller-vane construction, self adjusting, no timing required.
 - Hoses:** S.A.E. 100 R1, type AT. Single wire braid, 3/8" I.D., minimum burst pressure - 9,000 P.S.I.
- **Gate Speed:** Will open / close gate at approximately 18 inches per second.
- **Features:** NEMA size "0" contactor with mechanical interlocks, 70 VA control transformer, NEMA 4/13 limit switches, incorporates Stan-Track guide system. Maximum run timer circuit, delay on reverse, protects gate system from shock loads on reversal, aluminum drive rails available in 8 and 20 foot sections, dual, polyurathane / alum. hub, 2" wide drive wheels, low silhouette profile, plug-in relays, 875 pound compression springs used on suspension system.
- **Systems:** The model 690 will accept most access control and safety management systems.
- **Approvals:** U.L. listed.