

Standard Features

■ Electrical Supply

Single-phase powered operator.

■ Motor

60Hz high starting torque, continuous-duty, switchless motor, open drip proof, protected against overload.

■ Speed Managing Features

Speed managing device provides enhanced performance and speed, with soft-start and soft-stop capabilities.

■ Reduction

20:1 or 44:1 worm gear in oil bath reducer with air breather and sealed ball bearings. Output shaft 1" (20:1) with 1/4" keyway or 1-1/4" (44:1) with 1/4" keyway. Only comes in 1 HP. Output shaft speed 20:1 reduction: 86 rpm opening/57 rpm closing. Output shaft speed 44:1 reduction: 38 rpm opening/25 rpm closing.

■ Drive

#50 roller chain and sprocket on final drive. Sprockets selected for an opening door travel between 12"/sec to 24"/sec.

■ Brake

Electrically activated drum-band type solenoid brake.

■ Manual Operation

Emergency manual chain hoist. ⁽¹⁾ Floor level chain hoist engaging device with electrical cut-out. An electrical interlock automatically disconnects power to the motor operator when chain hoist is engaged. Hoist on right is standard; can easily be moved to the left in the field.

■ Electrical Enclosure

All electrical components are in a Nema 1 enclosure. Hinged electrical enclosure cover.

■ Limit System

Rotary-type oil-impregnated steel cams, commercial grade switches. Limit shaft supported by self-lubricating bronze bushings for increased precision. Remains in time when there is a manual operation or after the motor has been removed.

■ Accu-cam® Feature

Precise and quick limit setting by single-hand operation.

■ Non-Resettable Cycle Counter

6-digit electro-mechanical counter, mounted inside the control box, counts each complete door cycle providing valuable data for maintenance scheduling.

■ Corrosion Protection

Reducer, control enclosure and frames protected by baked-on, long lasting enamel finish. Polymer control box cover.

■ Mounting

Wall or hood mounted on the right or on the left of the door. For indoor use only.

■ Temperature Range

Working temperature between 0°C to 40°C (32°F to 104°F).

■ Shipping Weight

Approx. 122 lb - 55 kg.

■ Warranty

2 Years.

⁽¹⁾ The hoist is designed for light and limited use in the event of troubleshooting only.

⁽²⁾ This operator is to be used on properly counterbalanced sectional doors not exceeding a total weight of 1000 lb. The operator must not be loaded more than the maximum output rating of 225 ft-lb/sec.

Rapido® RGH

Jackshaft Operator

High-Speed Heavy-Duty Industrial Gearhead

Manages Soft-Starts and Soft-Stops

Improves the longevity of the complete door system

On-Board Control

Control board and speed managing device

Single Phase Input Power / Switchless Motor

Accu-cam® Limit Feature

For precise and quick one-hand limit setting adjustments



The Rapido® RGH is a high-speed heavy-duty worm gear industrial operator designed for use on properly counterbalanced sectional, rolling doors and grilles. ⁽²⁾

The Rapido® line offers up to 2X* the speed of the standard jackshaft operator while smoothly managing soft-starts and soft-stops, therefore reducing the wear and tear of the complete door system.

The operator can be wall or hood mounted on either side of the door and incorporates a solenoid brake and a chain hoist for manual operation with electrical cut-out.

The Manaras-Opera control is based on its legendary Electronic Control Board which delivers high performance and reliability while providing on-board control plus speed managing features.

Control Options

■ ECB Units (BOARD 070)

24Vdc relaying circuit with a 40VA class II transformer, non-volatile memory. Features available: On-board radio receiver, 1.5s delay on reverse, programmable maximum run timer, mid-stop, timer to close (suspension possible from floor level), built-in cycle-counter, independent input loop terminal, advance close system, test buttons, reverse wiring detection and door lock sensor.

Operating mode selectable on site: C2, B2, D1, E2, T or TS.

■ "M" Version



Provides the monitoring of Primary External Entrapment Protection Devices. Includes Nema 4X monitored photoelectric cells (PHOTO 061 standard). In this mode, Ancillary Entrapment Protection Devices (optional) may be used to supplement primary entrapment protection, such as non-monitored photoelectric cells, 2-wire non-monitored sensing edges and pneumatic sensing edges.

Certifications: ANSI/CAN/UL 325.

Note: ANSI/CAN/UL 325 apply to units intended to be used in ordinary locations in accordance with the Canadian electrical code, part I and the National electrical code, NFPA 70, respectively.

Main Options

■ Control Accessories

Terminal strip allows for the connection of 3-button stations (one supplied with the operator), non-monitored sensing edges / photoelectric cells / light curtains, external radio receiver, ceiling pull switches, key switches, loop detectors, LED strips, external interlocks, universal auxiliary output module. 2A fuse protected 24VAc output is available for accessory power supply. Nema 4/12 or Nema 4X protected monitored photoelectric cells upgrade available.

■ Control Modifications

Alternate control available with separate control panel, optional separate brake resistor, transformer panel 480V to 240V/600V to 240V etc. Consult inside sales.

■ Environmental Modifications

Available for Nema 4/12 and Nema 4X type applications. Consult inside sales.

■ Friction Clutch (Optional)

Easily adjustable slip clutch, ideally positioned on output shaft. Recommended for sectional doors.

■ Mechanical Accessories

Wall or hood mounting bracket, chain spreader, hand crank, etc. Consult inside sales.

■ Mechanical Modifications

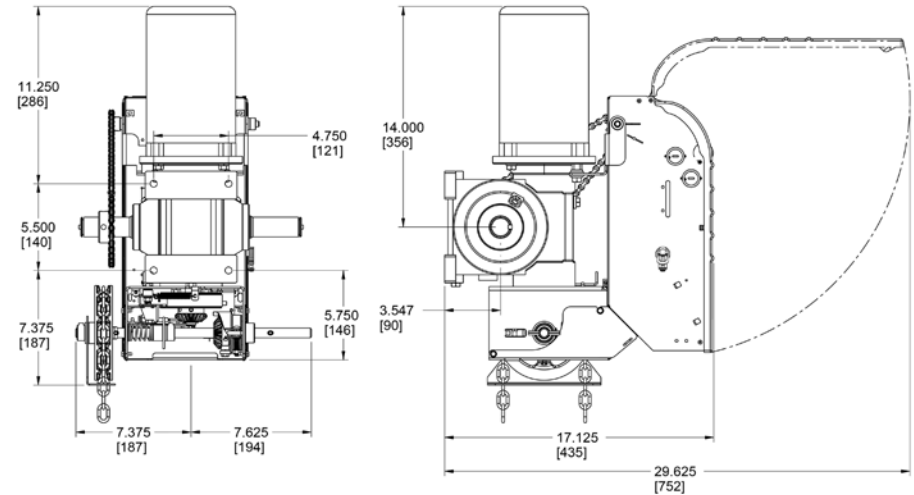
Left hand chain hoist. Consult inside sales.

Suggested Applications

- First Responders/Emergency Vehicle Facilities
- Automotive Dealerships/Transport Facilities
- Airports/Military Facilities
- Energy Management/LEED Buildings

Dimensions

Clearance: Side room required 15" (380 mm)
With friction clutch add: 1.5" (38 mm)



Operator Range

Current Consumption (Amp.)

Horse Power	Nominal Voltage (V) / Phase			General Guideline
	120V / 1 Ph	208V / 1 Ph	240V / 1 Ph	
1	16.7	8.3	8.0	

* Offering door speeds 2X as fast as a conventional door.

** For additional specifications and in order to optimize the operator's performance, please contact our inside sales department for assistance in selecting the appropriate hardware kit for your application.

Manaras-Opera reserves the right to make specifications or design changes without prior notice.

©2024 9141-0720 Québec Inc. All rights reserved. Reg. T.M. of 9141-0720 Québec Inc. UL logo is a Reg. T.M. of UL LLC. | CSA logo is a Reg. T.M. of CSA Group.

136, av. Oneida,
Pointe-Claire (Québec)
Canada H9R 1A8

1-800-361-2260
manaras.com

