



COMMERCIAL DOOR OPERATORS

MEDIUM DUTY



Designed for use on commercial sectional doors with standard vertical or high lift track or on rolling doors/grilles that will operate no more than 20 cycles/hour.

OPERATOR AT A GLANCE

- **On-board LCD** display for easier setup and troubleshooting.
- Built-in buzzer for easier troubleshooting from floor level and/or to indicate pre-closing of door
- Provision to connect up to two monitored photo beams for extra safety
- Provision to connect Horn/Strobe or 24VDC light to indicate door closing (Grills and Dock leveler applications)
- Built-in cycle counter on LCD display as standard. Diagnostics displayed in simple English without complicated codes.
- **25% faster** speed on both sectional and rolling doors
- Wide selection of door sprockets to suit wide variety of door types using same operator. No need to change the operator category.
- **Chain and V-belt guard** on operator for installer safety



MEDIUM DUTY



JACKSHAFT BLE MDJ50-11

HP	VOLTAGE	PHASE	FREQUENCY	CURRENT (FULL LOAD)
1/2	120V	1	60Hz	6 amps

STANDARD FEATURES

- Motor: 1/2HP with high-starting torque and thermal overload protection
- Clutch: Adjustable friction
- Drive reduction: First stage is an automatically heavy-duty V-belt, second and third stages #41 chain and sprocket
- 14T drive sprocket & #41 chain
- Door sprocket: 32T sectional or 48T rolling
- Brake: Solenoid actuated mechanical disc brake system
- Logic board: Programmable with LCD display for easy set-up with diagnostics and cycle-counter
- Programmable B2, C2, D1, E1, T, TS operational modes
- Photo-eyes included
- 3-Button O/C/S Station included
- 24V NEC Class 2 control
- NEMA 1 enclosure
- Left or right-hand mounting
- Emergency disconnect for manual operation, 16' hoist chain
- Radio control: Onboard or external terminals or 3-wire radio system
- Warranty: 2-year/20,000 cycle limited
- Door speed appx. 8-9 in/s
- Weight: Shipping weight appx. 70 lbs.

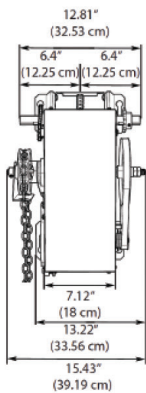
CONTROL SYSTEMS

- LCD display on logic board for easy programming
- On-board open/close/stop buttons make testing simple
- Monitored entrapment capability
- Programmable timer-to-close

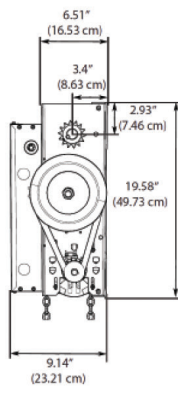
RADIO CONTROLS

- Connection terminals for a 3-wire radio control system
- Compatible with 3-button controls for open/close/stop operation

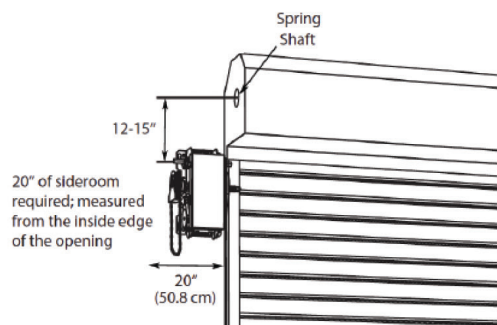
INSTALLATION INFORMATION



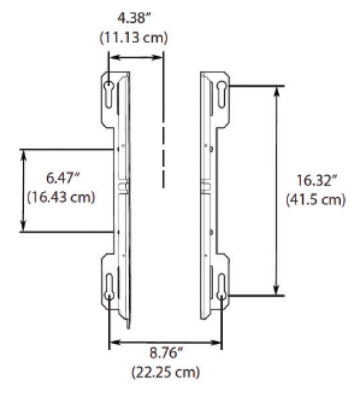
Front View



Side View



Wall Mounting



Bracket mounting



HOIST BLE MDH50-11

HP	VOLTAGE	PHASE	FREQUENCY	CURRENT (FULL LOAD)
1/2	120V	1	60Hz	6 amps

STANDARD FEATURES

- Motor: 1/2HP with high-starting torque and thermal overload protection
- Clutch: Adjustable friction
- Drive reduction: First stage is an automatically heavy-duty V-belt, second and third stages #41 chain and sprocket
- 14T drive sprocket & #41 chain
- Door sprocket: 32T sectional or 48T rolling
- Brake: Solenoid actuated mechanical disc brake system
- Logic board: Programmable with LCD display for easy set-up with diagnostics and cycle-counter
- Programmable B2, C2, D1, E1, T, TS operational modes
- Photo-eyes included
- 3-Button O/C/S Station included
- 24V NEC Class 2 control
- NEMA 1 enclosure
- Left or right-hand mounting
- Emergency disconnect for manual operation, 16' hoist chain
- Radio control: Onboard or external terminals or 3-wire radio system
- Warranty: 2-year/20,000 cycle limited
- Door speed appx. 8-9 in/s
- Weight: Shipping weight appx. 70 lbs.

SPROCKET OPTIONS

41B14 14T sprocket, 1" bore, ¼" keyway (std)

41B18 18T sprocket, 1" bore, ¼" keyway

41B32-125 32T sprocket, 1.25" bore, ¼" keyway, sectional doors

41B32 32T sprocket, 1" bore, ¼" keyway, sectional doors (std)

41B48 48T sprocket, 1" bore, ¼" keyway, rolling doors (std)

41B48-125 48T sprocket, 1.25" bore, ¼" keyway, rolling doors

ORDERING INFORMATION

Information to supply

- Door height
- Type of Door
- Door width
- Safety devices needed
- Door shaft diameter

ENTRAPMENT PROTECTION OPTIONS

32NO Air Switch, 2-wire

32SPDT Air Switch, 3-wire

4/20/2002 Coil Cord, 18/2/20, 12', 20' extended

Note: Any Normally Open (NO) dry contact signal ancillary device or accessory is compatible with Operator Circuitry.

JACKSHAFT & HOIST

MAXIMUM DOOR AREA (SQFT)						
SQFT	120	160	200	240	280	320
ROLLING	–	16-ga Steel	18-ga Steel	20-ga Steel	22-ga Steel	24-ga Steel
	–	–	Steel Grilles	–	Aluminum Doors	Aluminum Grilles
Sectional	–	16-ga Uninsulated	18-ga Uninsulated	20-ga Uninsulated	22-24-ga Uninsulated	–
	16-ga Uninsulated	18-ga Uninsulated	20-ga Uninsulated	22-24-ga Uninsulated	–	–
	–	–	–	Wood	Aluminum	Fiberglass

26-ga Corrugated Sheet Doors – Up to 360 sq ft and 18’ high (Non-Windload certified)

OPTIONAL CONTROLS & ACCESSORIES

CONTROL STATIONS

- PBS-1B-N1** Single button, NEMA-1 (Metal)
- PBS-2B-N1** 2-button, O/C, NEMA-1 (Metal)
- PBS-1B-N1** 3-button, O/C/S, NEMA-1 (Metal)
- PBS-1B-N4** Single button, NEMA-4 (PVC)
- PBS-2B-N4** 2-button, O/C, NEMA-4 (PVC)
- PBS-3B-N4** 3-button, O/C/S, NEMA-4 (PVC)
- IKX-R** Ext. Key Switch, Surface Mount
- IKXL-R** Ext. Key Switch, ON/OFF Surface
- IKXS-R** Ext. Key Switch w/Stop-B Surface

MECHANICAL & MOUNTING HARDWARE

- 31-19-5** Hand chain for hoist (ft.)
- RC41** #41 Roller chain (ft)
- RCC41** Connecting link, #41 roller chain
- RCH41** Half link, #41 roller chain
- SASH** Sash-chain disconnect (ft)
- HMB** Hood mounting bracket
- GUARD-D** Drive belt cover
- GUARD-H** Hoist wheel cover
- GUARD-L** Limit sprocket cover
- SPREADER-1.1** Chain Spreader Bar, 1”-1”
- SPREADER-1-1.25** Chain Spreader Bar, 1”-1-1/4”

RADIO CONTROLS

- RX5CC** 303/390MHz, external receiver
- RX5CC-OCS** OCS External receiver with 3-terminal connector
- RX5ANT** Antenna, mounting bracket & 75” co-ax cable
- RX5ANT-12** Antenna, mounting bracket & 12’ co-ax cable
- RX5CC-NEMA4** NEMA-4 Universal rx with NEMA4 enclosure
- R3BCC-OCS** 303/390MHz O/C/S remote, 1-door
- D1B** Deluxe 1-Button Remote Control, 303MHz/390MHz
- D2B** Deluxe 2-Button Remote Control, 303MHz/390MHz
- D3B** Deluxe 3-Button Remote Control, 303MHz/390MHz
- N4BD1** 4-Button Remote Control, 1-dip switch button, 303MHz

CONTROL BOARD

