

MAXUM

Next Generation DC Commercial Door Operator

JDC Jackshaft Operator

SECTION 08 71 13

DATA SHEET



Key Features

Standard Application

Recommended for door types including:

- Sectional Doors (Standard Lift, High Lift and Full Vertical)
- Rolling Steel Doors/Grilles

Standard Duty cycle only

Rated Duty Cycle Operator Speed

Standard Duty: Up to 20 cycles per hour and 90 cycles per day
Average 12" per second for Sectional doors and 8-9" per second on Rolling Steel doors

Limit Settings

Electronic limits via Floor Level Wall Controller with LCD display

Emergency Solution

Via Battery Backup which is standard on Jackshaft Operators

Programming

Floor Level Wall Controller with LCD display to program and commission door

Circuit Board

DC Logic Circuit Board

Timer-to-Close

Programming through menu on wall controller. Option is available in B2 Mode with two settings. User can select a desired Timer-to-Close (TTC) time duration under that menu

Mid-Stop

Program setup under System Configuration Operating Mode, Mid-stop

Battery Backup

DC45AH: (2) 4.5 Ah batteries and mounting bracket (standard)
DC7AH: (2) 7 Ah batteries and mounting bracket (optional)

Run Time Protection

Standard: 20 Cycle Count and Cycle 21% within a 60 minute threshold

Motor Reverse Action Protection

Stop Fast: 250ms ramp
Stop Ramp: 500ms-2000ms; Stop button while opening
Emergency (Safety-Chain): CTM trigger immediate stop

Motor Operator Wall Controller

Floor Level Wall Controller with LCD screen using 2 wire interface to connect to powerhead

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Specifications:

| | |
|---------------------|---|
| Radio Receiver | LiftMaster Security+ 2.0 |
| Voltage Connections | 120Vac 1 PH/240Vac 1/3PH; 480Vac 3PH; 208Vac 3PH (via transformer); 600Vac 3PH (via transformer) |
| Accessory Power | 24Vdc, 1A Auxiliary Output |
| Drive Reduction | 65:1 Gearbox with #50 Chain Output |
| Brake | Dynamic braking standard on all Maxum operators. 2200 series operators include electromechanical holding brake |
| Construction | NEMA 1 type electrical box, heavy duty 11 gauge steel frame with durable powder coat finish |
| Warranty | 2 years |

Installation Features:

Maximum Door Weight See SKU listing below for maximum door weights allowable by SKU

Connectivity:

Wi-Fi® Connect to Wi-Fi via Connectivity option on the wall controller
Internet Connectivity myQ® technology enables remote monitoring and control via smartphone, tablet, computer. myQ Facility technology enables Diagnostics, absolute cycle count, service cycle count, and remote management

Door Weight Chart

| SKU | PRODUCT FAMILY | MAX DOOR WEIGHT |
|-----------|----------------|-----------------|
| JDC7S1BMC | Jackshaft | 700 lb. |
| JDC7S4BMC | Jackshaft | 700 lb. |

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Sectional Doors

Recommended Door Sprockets

| Drum Diameter (Large end of Conical Drum) | Door Sprocket for Desired Speed | | | | | |
|--|---------------------------------|------------------------------|---------------------------------|---------------------------|------------------------------|---------------------------------|
| | For 12 inch/sec Door Speed | | | For 9 inch/sec Door Speed | | |
| | Tooth Count | 1 in. Bore 1/4 in. Keyway | 1.25 in. Bore 1/4 in. Keyway | Tooth Count | 1 in. Bore 1/4 in. Keyway | 1.25 in. Bore 1/4 in. Keyway |
| 4" | 16-Tooth | 71-1550B16LGH | 71-1550B16QGH | 22-Tooth | 71-1550B22LGH | 71-1550B22QGH |
| 5.25" | 22-Tooth | 71-1550B22LGH | 71-1550B22QGH | 32-Tooth | 71-1550B32LGH | 71-1550B32QGH |
| 5.75" | 24-Tooth | 71-1550B24LGH | 71-1550B24QGH | 34-Tooth | 71-1550B34LGH | 71-1550B34QGH |
| 6.375" | 32-Tooth | 71-1550B32LGH | 71-1550B32QGH | 42-Tooth | 71-1550B42LGH | 71-1550B42QGH |
| 8" | | | | | | |
| 8.5" | 24-Tooth | 71-1550B24LGH | 71-1550B24QGH | 34-Tooth | 71-1550B34LGH | 71-1550B34QGH |
| 11" | 32-Tooth | 71-1550B32LGH | 71-1550B32QGH | 42-Tooth | 71-1550B42LGH | 71-1550B42QGH |
| 13.5" | 42-Tooth | 71-1550B42LGH | 71-1550B42QGH | 56-Tooth | 71-1550B56LGH | 71-1550B56QGH |
| Not Sure | 22-Tooth | 71-1550B22LGH | 71-1550B22QGH | 32-Tooth | 71-1550B32LGH | 71-1550B32QGH |

Rolling Doors, Uninsulated

Recommended Door Sprockets

| Max 20ft Door Height - 8-9 inches/sec Door Speed | | | | | | |
|--|----------------|-------------|------------------------------|---------------------------------|------------------------------|---------------------------------|
| Operator Series | Door Weight | Tooth Count | 1 in. Bore 1/4 in. Keyway | 1.25 in. Bore 1/4 in. Keyway | 1 in. Bore 3/8 in. Keyway | 1.25 in. Bore 3/8 in. Keyway |
| 700 | up to 450 lbs | 50-Tooth | 71-1550B50LGH | 71-1550B50QGH | 71-1550B50LKH | 71-1550B50QKH |
| | 450 to 700 lbs | 72-Tooth | 71-1550B72LGH | 71-1550B72QGH | 71-1550B72LKH | 71-1550B72QKH |

Rolling Doors, Insulated

Recommended Door Sprockets

| Max 20ft Door Height - 8-9 inches/sec Door Speed | | | | | | |
|--|---------------|-------------|------------------------------|---------------------------------|------------------------------|---------------------------------|
| Operator Series | Door Weight | Tooth Count | 1 in. Bore 1/4 in. Keyway | 1.25 in. Bore 1/4 in. Keyway | 1 in. Bore 3/8 in. Keyway | 1.25 in. Bore 3/8 in. Keyway |
| 700 | up to 450 lbs | 60-Tooth | 71-1550B60LGH | 71-1550B60QGH | 71-1550B60LKH | 71-1550B60QKH |

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Dimensions

| | A | B |
|------------------|-------|-------|
| 700 lb. Standard | 19.2" | 21.7" |

