

MAXUM

Next Generation
DC Commercial Door Operator
JHDC Jackshaft

DATA SHEET



Key Features

Standard Application

Recommended for door types including:
Sectional Doors High Lift and Full Vertical; Standard Lift if installed with Auxiliary Trolley Kit or any combination of pusher springs, cable tension monitors and raised track per door manufacturer recommendation
Rolling Steel Doors/Grilles

Rated Duty Cycle

Standard and Extended Duty Cycle applications where manual hoist is needed.

Standard Duty: Up to 20 cycles per hour
Extended Duty: Up to 30 cycles per hour

Operator Speed

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 Disconnect for Manual Operation

Operator includes an Engage rope (Green) and a Disengage rope (red) with manual hoist to electrically disable the operator controls

Emergency Disconnect with Auto - Reconnect

Operator includes an Engage rope (Green) and a Disengage rope (red) with manual hoist to electrically disable the operator controls. Pull the engage (green) rope to operate the door again electrically

Programming

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

Circuit Board

DC Logic Circuit Board

Timer-to-Close

Program 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

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

Cycle Limiter Protection

Auto cool-down (max. 15 minutes) triggers if the hourly cycle limit is exceeded

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

For more information, please visit www.devancocanada.com
or call toll free at 1-855-931-3334

LiftMaster

POWERED BY myQ

MAXUM

DATA SHEET

Next Generation
DC Commercial Door Operator
JHDC Jackshaft

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. NEMA 4X type electrical box for NEMA 4X rated units
Warranty	5 Years Limited Warranty Battery Backup Kit - 1 Year LCD Wall Control - 2 Years Photoeyes - 1 Year Replacement Parts - 1 Year MAXUM Operator Standard Duty - 5 YEARS / 85,000 Cycles* Extended Duty - 5 YEARS / 130,000 Cycles*

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	Description	Max Door Weight
JHDC7S1BMC	JHDC HOIST 700LB STD CYCLE 120/240V BBU CAPABLE	700 lb.
JHDC7S4BMC	JHDC HOIST 700LB STD CYCLE 480V BBU CAPABLE	700 lb.
JHDC7S1BE	"EXT SHAFT" JHDC HOIST 3IN 700LB STD CYCLE 120/240V BBU CAPABLE	700 lb.
JHDC7S4BE	"EXT SHAFT" JHDC HOIST 3IN 700LB STD CYCLE 480V BBU CAPABLE	700 lb.
JHDC12S1BMC	JHDC HOIST 1200LB STD CYCLE 120/240V BBU CAPABLE	1200 lb.
JHDC12S4BMC	JHDC HOIST 1200LB STD CYCLE 480V BBU CAPABLE	1200 lb.
JHDC12X1BMC	JHDC HOIST 1200LB EXT CYCLE 120/240V BBU CAPABLE	1200 lb.
JHDC12X4BMC	JHDC HOIST 1200LB EXT CYCLE 480V BBU CAPABLE	1200 lb.
JHDC12S1BE	"EXT SHAFT" JHDC HOIST 1200LB STD CYCLE 120/240V BBU CAPABLE	1200 lb.
JHDC12S4BE	"EXT SHAFT" JHDC HOIST 1200LB STD CYCLE 480V BBU CAPABLE	1200 lb.
JHDC12X1BE	"EXT SHAFT" JHDC HOIST 1200LB EXT CYCLE 120/240V BBU CAPABLE	1200 lb.
JHDC12X4BE	"EXT SHAFT" JHDC HOIST 1200LB EXT CYCLE 480V BBU CAPABLE	1200 lb.
JHDC22X1BMC	JHDC HOIST 3IN 2200LB EXT CYCLE 120/240V BBU CAPABLE	2200 lb.
JHDC22X4BMC	JHDC HOIST 3IN 2200LB EXT CYCLE 480V BBU CAPABLE	2200 lb.

*Cycle count measurement will commence at the start of the warranty period; however, cycle counts will not be used to determine warranty eligibility until conclusion of the first two (2) years

LiftMaster

POWERED BY myQ

MAXUM

DATA SHEET

Next Generation
DC Commercial Door Operator
JHDC Jackshaft

Sectional Doors

Recommendations for 12-Tooth (700/1200) & 10-Tooth (2200) Operator Sprockets

Drum Diameter	Door Sprocket for Desired Speed					
	For 10-12 in/sec Door Speed			For 9-10 in/sec Door Speed		
	Sprocket Tooth Count	1 in. Bore, 1/4 in. Keyway	1.25 in. Bore 1/4 in. Keyway	Sprocket Tooth Count	1 in. Bore, 1/4 in. Keyway	1.25 in. Bore, 1/4 in. Keyway
4"	16-Tooth	71-1550B16LGH	71-1550B16QGH	24-Tooth	71-1550B24LGH	71-1550B24QGH
5.25" - 5.75" & 8.5" (Vertical Lift)	24-Tooth	71-1550B24LGH	71-1550B24QGH	32-Tooth	71-1550B32LGH	71-1550B32QGH
6.375" - 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	24-Tooth	71-1550B24LGH	71-1550B24QGH	32-Tooth	71-1550B32LGH	71-1550B32QGH

Rolling Doors

Recommendations for 12-Tooth Operator Sprocket (700/1200)

Operator Series	Uninsulated Max 20ft Height - 8-9 in/sec Door Speed		Insulated Max 20ft Height - 8-9 in/sec Door Speed	
	Door Weight	Sprocket Tooth Count	Door Weight	Sprocket Tooth Count
700	up to 450 lbs	50-Tooth	up to 450 lbs	60-Tooth
	450 to 700 lbs	72-Tooth		
1200	700 to 1200 lbs	72-Tooth	450 to 900 lbs	72-Tooth
	1200 to 1800 lbs			

Rolling Doors

Recommendations for 10-Tooth Operator Sprocket

(Standard for JHDC 2200 - Available as accessory kit for 700/1200 - part #71-1550B10LGH)

Operator Series	Uninsulated Max 20ft Height - 8-9 in/sec Door Speed		Insulated Max 20ft Height - 8-9 in/sec Door Speed	
	Door Weight	Sprocket Tooth Count	Door Weight	Sprocket Tooth Count
700	up to 450 lbs	42-Tooth	up to 450 lbs	50-Tooth
	450 to 700 lbs	56-Tooth		
1200	700 to 1200 lbs	56-Tooth	450 to 900 lbs	60-Tooth
2200	1200 to 1800 lbs	56-Tooth	900 to 2200 lbs	72-Tooth
	1800 to 2200 lbs	72-Tooth		

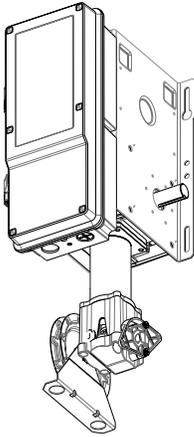
MAXUM

Next Generation
DC Commercial Door Operator
JHDC Jackshaft

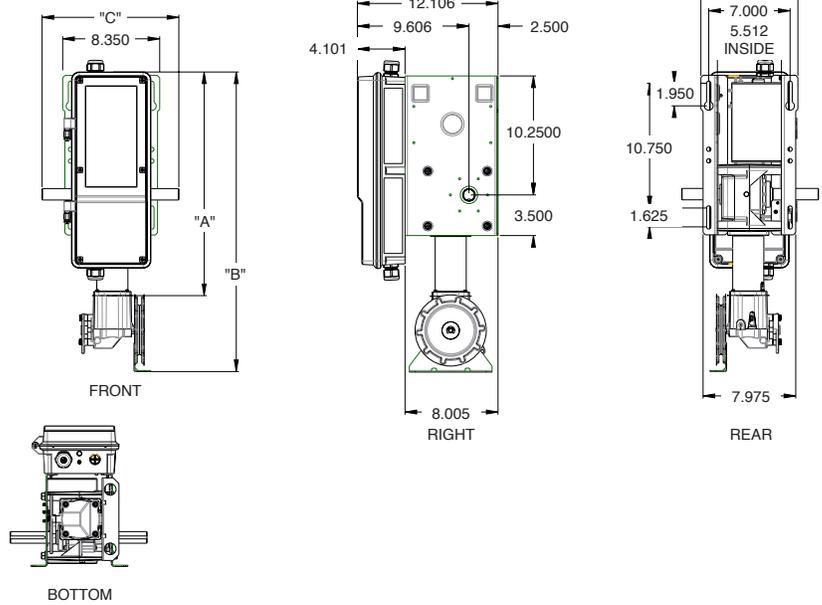
DATA SHEET

Dimensions

	A	B	C
700 lb. "MC" Models	19.2"	25.7"	9.8"
700 lb. "E" Models			11.8"
1200 lb. "MC" Models	19.5"	26.0"	9.8"
1200 lb. "E" Models			11.8"



JHDC7 & JHDC12 MODELS



JHDC22X1BMC & JHDC22X4BMC

