

# LODESTAR® BGV-C1

## ELECTRIC CHAIN MOTOR

### CAPACITIES

250 to 1300 KG

### LIFT

60 feet standard

### SPEEDS

16 to 100 feet/min

### VOLTAGES

3-phase available

The Lodestar BGV-C1 Series meets the BGV-C1 German regulation for entertainment rigging. Available with fixed or variable speed, the Lodestar BGV-C1 can be adapted to reach a System Integrity Level 3 (SIL3).\*

### BENEFITS & FEATURES

#### 10:1 MECHANICAL DESIGN FACTOR

We exceed current standard DIN 56950.

#### ELECTRO-MECHANICAL DOUBLE BRAKES

#### 5 POCKET LIFT WHEEL

For quiet & smooth operation.

#### 68 DB OPERATIONAL NOISE

A result of the Double Brake System.

#### GEARING

Precision machined gears heat treated for strength and durability.

#### INTERNAL CHAIN GUIDE

PVC black coated for quieter operation.

#### LOW VOLTAGE CONTROL

110 Volt for long cable runs without voltage drop. 24 & 48 Volt optional.

#### DUTY CYCLE

H-4 duty rated for heavy duty application. 2M+ FEM class. 50% Duty Cycle or 300 on/off per hour.

#### UNDERLOAD PROTECTION

With load cell installed.

#### MODULAR MULTI-PIN CONNECTOR

With multi-wire shielded cable.

#### 4 POSITION LIMIT SWITCH

With active spring micro-switch.

#### BUILT-IN PLC

For safety function monitoring, Brake and Limit Switch integrity, Load Cell reading, Overload and Underload settings.

#### OVERLOAD PROTECTION

Rated operational range between 125 and 150/160%. Clutch is outside the load path when disconnected from power.

#### DURABLE & LIGHTWEIGHT HOUSING

Cast aluminum. Black powder coated finish for low visibility.

#### METRIC RATED LOAD CHAIN

Designed and manufactured by Columbus McKinnon. Zinc plated to protect against corrosion. Black phosphate finish optional.

#### THE INDUSTRY'S BEST LIFETIME WARRANTY

#### MEETS OR EXCEEDS WORLD STANDARDS

Meets German Regulation BGV-C1.

#### CHAIN STOP

Mounted on load chain to prevent overtravel.

### OPTIONAL FEATURES

#### ENCODERS

Available for positioning incremental and absolute.

\* SIL3 requires a BGV-C1 SIL3 certified controller not included.



### SPECIFICATIONS

Model	Product Code	Chain Size Used	Rated Load (kg)	Lifting Speed (FPM)	Motor HP	Operating Voltage	Full Load Amps	Reeving	Protection Class	Noise Level	Lift (Feet) ***
F	Contact Factory	1/4	250	16	1/2	230/460-3-60	2.2/1.3	1	IP54	68 dB	60
J		5/16	250	32	1	230/460-3-60	3.7/2.2	1	IP54	68 dB	60
JJ		5/16	500	64	2	230/460-3-60	7.9/5.0	1	IP54	68 dB	60
L		5/16	650	16	1	230/460-3-60	3.7/2.2	1	IP54	68 dB	60
LL		5/16	500	32	2	230/460-3-60	7.9/5.0	1	IP54	68 dB	60
RR		5/16	1000	16	2	230/460-3-60	7.9/5.0	2	IP54	68 dB	60
VARISTAR		5/16	500	0 to 100	3-1/2	230/460-3-60	10.4/6.2	1	IP54	68 dB	60

\*\*\* Lifts other than 60ft available (Standard Units shipped less chain unless specified)