

# AIR HOIST MODEL ML/HL



MLK-series are designed for maximum security in dangerous zones  
The hoists are made for tough handle, frequent and quick lifting  
Can be equipped with trolley

- **Top and bottom**

latch-type swivel hooks meet OSHA requirements and are supported by anti-friction roller bearings (Bullard Burnham hooks are available for all models, except spark-resistant)

- **Manual brake release kit**

allows operators to safely lower a suspended load in a power failure

- **Air-operated, non-asbestos, self-adjusting disc brake**

balances effort to motor torque by sensing air pressure in the valve chest, providing precise control and eliminating back-drop encountered with some mechanical brakes; if air supply is interrupted, pressure release causes instantaneous, automatic braking

- **Heat-treated planetary gearing system**

provides high-torque capability by splitting the torque path, thereby dividing and balancing the load over more teeth, assuring longer life and reduced maintenance.

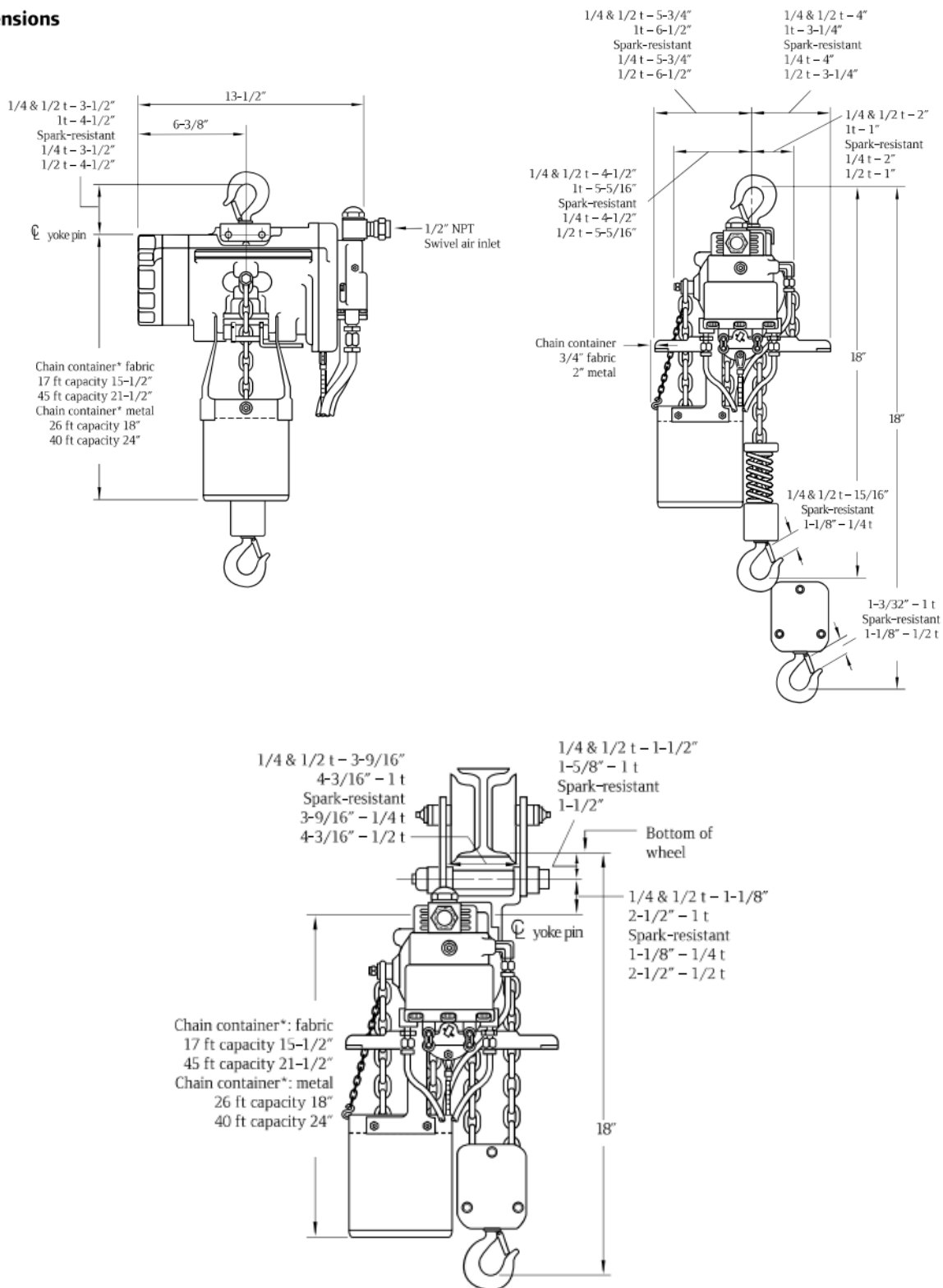
- **Slack chain**

is guided into drive wheels by a specially designed opening that prevents dangerous cross-linking

- **Upper and lower limit**

stops prevent dangerous over-travel of the hook in either direction, reducing possible damage to hoist or load

## Dimensions



## MLK and HLK Specifications (performance at 90 psi, 6.3 bar)

Model	Capacity			Hook Mount Headroom		Trolley Mount Headroom		Lifting Speed				Lowering Speed				Chain Weight (per foot of lift)		Net Weight w/10 ft of Lift		
	lb	metric tons	# Falls	in	mm	in	mm	Rated Load		No Load		Rated Load		No Load		Chain Size	lb	kg	lb	kg
HL1000K	2,200	1	1	18.5	469.9	18.1	459.7	26	7.9	40	12.2	37	11.3	26	7.9	9.5 x 25.7	1.3	0.6	84	38.1

## Trolley Mount Specifications

Model	Trolley type	Capacity metric tons	Minimum Headroom		Trolley Speed at Rated Load		Air Consumption @ Rated Load		Trolley Flange Adjustment		Minimum Curve Radius		Air Inlet	Net Weight w/10 ft of Lift	
			in	mm	ft/min	m/min	ft³/min	m³/min	in	mm	ft	m		lb	kg
ML1000K, KS	Plain	1	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	81	37
	Geared	1	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	84	38
	Motor	1	17	432	93	28	35	1	2.66-12	68-305	3.5	1.1	1/4	91	41

## Hooks

Series	Capacity metric tons	Bullard-Burnham Top Or Bottom Part Number	Bronze Latch Type* Top Or Bottom Part Number
MLK	0.25	CE110-KBB377	MLK-KRS304
MLK	0.50	CE110-KBB377	ML500KR-K377
MLK	1	CE120-KBB377	N/A
HLK	1	HLK-ABB377	HLK-SR377
HLK	1.50	HLK-ABB377	HL1500K-SR377
HLK	2	HL2000K-ABB377	HL2000K-SR377
HLK	3	HL3000K-ABB377	HL3000K-SR377
HLK	4.50	HL4500K-ABB377	HL4500K-SR377
HLK	6	HL6000K-ABB377	HL6000K-SR377



**Bullard-Burnham hook**

Bullard-Burnham hooks are not available for spark-resistant models.  
\*Not pictured.