M55 AIR HOIST

Variable-speed air wire rope hoist positions loads accurately without electronics.

Lift loads safely in hazardous environments.

Minimize sparking, static and electrical hazards with this air-powered hoist.

- Eliminate electric motor dangers by using air motors for both hoist and trolley.
- Lift with confidence in dusty and volatile environments by using spark resistant components:
  - Stainless steel wire rope
  - Bronze bottom block and hook
  - Copper-Beryllium or Micarta trolley wheels
  - Rubber bumpers
- Operate hoist in remote locations without electrical service.

Increase clearance under hoist without increasing crane height.

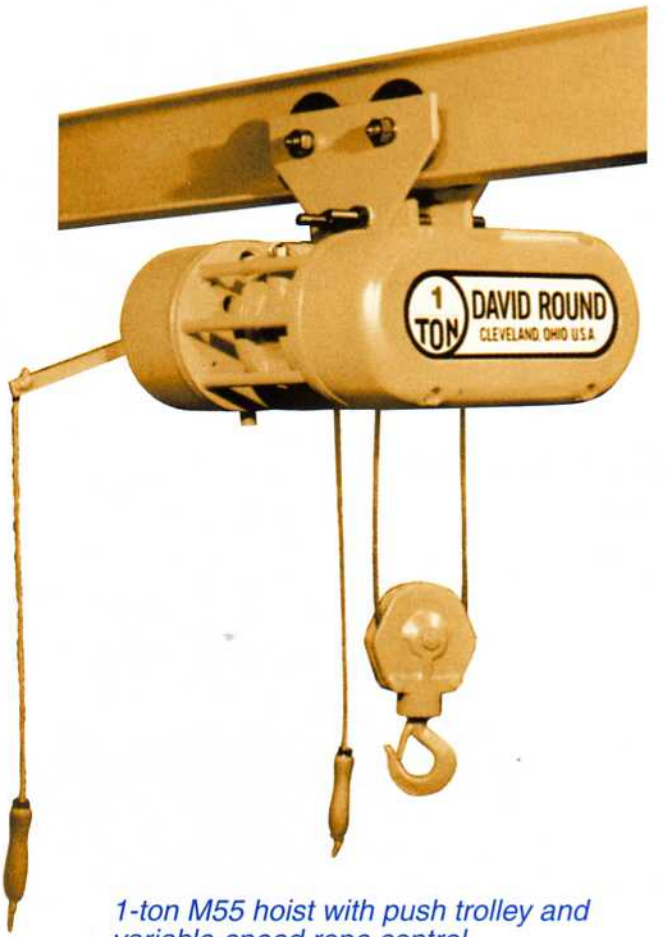
Air hoist requires just 16" of beam-to-hook clearance (headroom).

- Raise molds and tooling further from production machinery during changeovers.
- Maximize overhead clearance as products are positioned in paint and spray booths.
- Extend clearance under baskets when lifting over dip tank side walls.
- Minimize motor and pump service crane heights.

Raise and lower loads with precision.

Variable speed operation is affordable with pneumatic controls.

- Slowly lower assemblies and mold sections into place with variable speed rope controls.
- Position loads from a distance and gradually start trolleys with variable speed lever pendants.
- Adjust the lift speed as required without being limited to one or two preset speeds.



1-ton M55 hoist with push trolley and variable-speed rope control

STANDARD FEATURES:

- Moderate service (H3) hoist
- Accessible in-line gear train
- Mechanical load brake
- Rotary vane air motor
- Emergency upper limit switch
- Single-reeved
- Variable speed rope control on lug mounted and push trolley models
- 4-button single-speed air push-button pendant on motorized trolley units
- Lug mounted

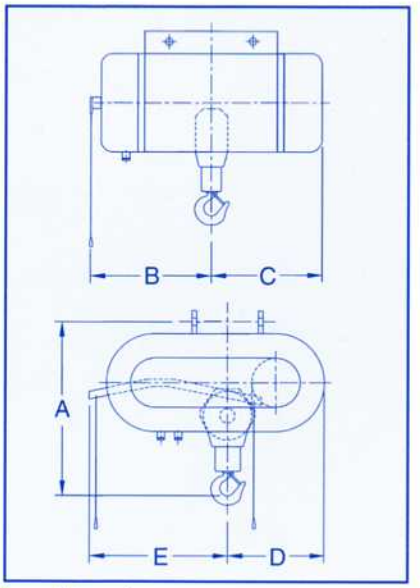
OPTIONAL FEATURES:

- Manual and motorized trolleys
- Air motor brake
- Upper and lower hook position limit switch
- Single-speed push-button pendant
- Variable speed lever pendant
- Spark-resistant features
- Weather-resistant finishes and components

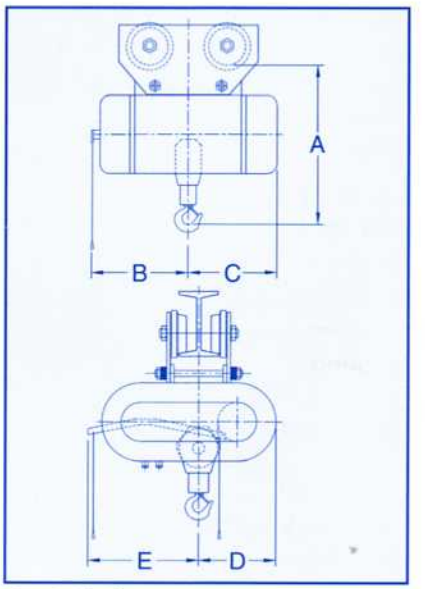
Technical Specifications

Load Capacity (lbs.)	Model Number	Lift Height (ft.)	Lift Speed (ft./min.)	Reference Number
1,000	10AW	40	35	1
	10AL	50	35	2
	10ADL	100	35	3
2,000	20AW	40	16	1
	20AL	50	16	2
	20ADL	100	16	3
4,000	40AW	20	8	4

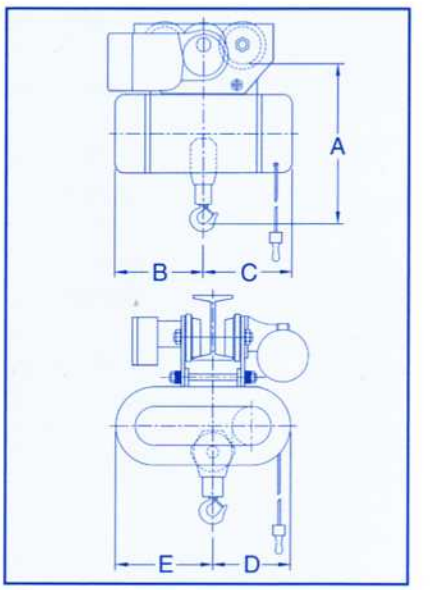
Information on other models available from a David Round representative.



Lug Mount



Push Trolley



Motorized Trolley

Dimensions

Reference Number	Mounting						B (in.)	C (in.)	D (in.)	E (in.)
	Lug		Push Trolley		Motorized Trolley					
	Headroom A (in.)	Weight (lbs.)	Headroom A (in.)	Weight (lbs.)	Headroom A (in.)	Weight (lbs.)				
1	16	130	18-1/4	160	18-1/2	240	12-5/8	11-1/8	8	16
2	16	280	18-1/4	340	18-1/2	440	20-1/2	19	9-1/4	13-1/4
3	16	300	18-1/4	360	18-1/2	460	20-1/2	19	9-1/4	13-1/4
4	20-1/2	165	22-3/8	200	23	275	12-5/8	11-1/8	8	16

Special configurations and designs are available.

THIS EQUIPMENT IS NOT TO BE USED FOR LIFTING OR SUPPORTING PEOPLE.