

MODEL  
**CAH**  
Large Frame

**VARIABLE  
SPEED CONTROL-  
SMOOTH  
OPERATION**



**1/2 - 3 Ton**

**Made in USA**

## CAH Large Frame Model Air Hoists

**COFFING CAH Large Frame Models** - Large frame air chain hoists featuring continuous duty service for precise, infinitely variable speed and accurate load spotting.

**CAPACITIES & LIFT** - Rated loads of 1, 2 & 3 ton. 10-foot standard lift, longer lifts available.

**CONTROLS** - Pendant throttle is full-flow design. 6-foot pendant hose length for 10-foot lift (4-foot less than lift—standard).

**THROTTLE VALVE** - Precision throttle valves meter air for smooth starts.

**SUSPENSION** - Swivel top and bottom hooks with safety latches standard. Rigid top hook, lug, plain, geared, and air motor trolleys available.

**SPEEDS** - Precise and infinitely variable speed control for accurate load spotting. 90 PSI air operating pressure.

**ALUMINUM HOUSING** - Lightweight, compact, and strong.

**MOTOR** - 8-vane rotary air motor produces high, uniform torque and quick response. Internal muffler for quiet operation.

**GEARING** - Combination of precision cut, heat-treated helical and spur gears for efficient operation.

**MECHANICAL LOAD BRAKE** - Positive acting Weston-type load brake holds the load and provides exacting load spotting and control.

**OVERLOAD CLUTCH** - Protects hoist, operator, and supporting structures from damaging overloads. Clutch acts as upper and lower limits.

**SPARK RESISTANT MODELS** - Rated loads 1/2, 1 & 2 ton.

**OPTIONS** - Corrosion resistant models and chain containers also available.

**AIR SUPPLY** - Inlet size: 3/4" NPTF; Supply hose: 3/4" I.D. min.

**LIFETIME WARRANTY**

**Trolleys for CAH Models:**

For Hook Mounted Hoists - see page 50

For Lug Mounted Hoists - see pages 38, 39

● **SPECIFICATIONS** ●

CAH Large Frame Air Chain Hoist

\* Speeds based on 90 PSI line pressure and with full rated load.

‡ Headroom dimension given for swivel top hook suspension only.

Air Consumption: 70 SCFM (full load - full speed) slow speed model; 80 SCFM (full load - full speed) fast speed model.

Standard lift 10 ft.  
Longer lifts are available

**NOTE:** For complete dimensional data, refer to Coffing Dimensional Databook.

Capacity		Model Number	Number of Chains	Lift Speeds *		Headroom † (in.)	Air Pressure (psi)	Net Weight (lb.)
(lb.)	(Ton)			Lifting	Lowering			
2000	1	CAH-2013	1	13	18	16 9/16	90	93
2000	1	CAH-2030	1	30	42	16 9/16	90	95
4000	2	CAH-4006	2	6	9	22 1/4	90	110
4000	2	CAH-4015	2	15	21	22 1/4	90	112
6000	3	CAH-6004	3	4	6	24	90	144
6000	3	CAH-6010	3	10	14	24	90	146
<b>Spark Resistant Models</b>								
1000	1/2	CAH-0516-S	1	16	22	16 3/4	90	95
2000	1	CAH-1008-S	2	8	11	22 7/8	90	112
4000	2	CAH-2005-S	3	5	7	25 7/8	90	146

# CAH LARGE FRAME CUTAWAY VIEW

**HIGH  
PERFORMANCE  
LIFTING**

## Multi-Vane Rotary Air Motor

*8-vane rotary design provides:*

- High torque
- Smooth operation
- Positive starting
- Excellent load control

## Aluminum Frame & Cover

*Lightweight aluminum housing offers:*

- Rugged holding shafts and bearings in close alignment.

## Infinitely Variable Speed Control

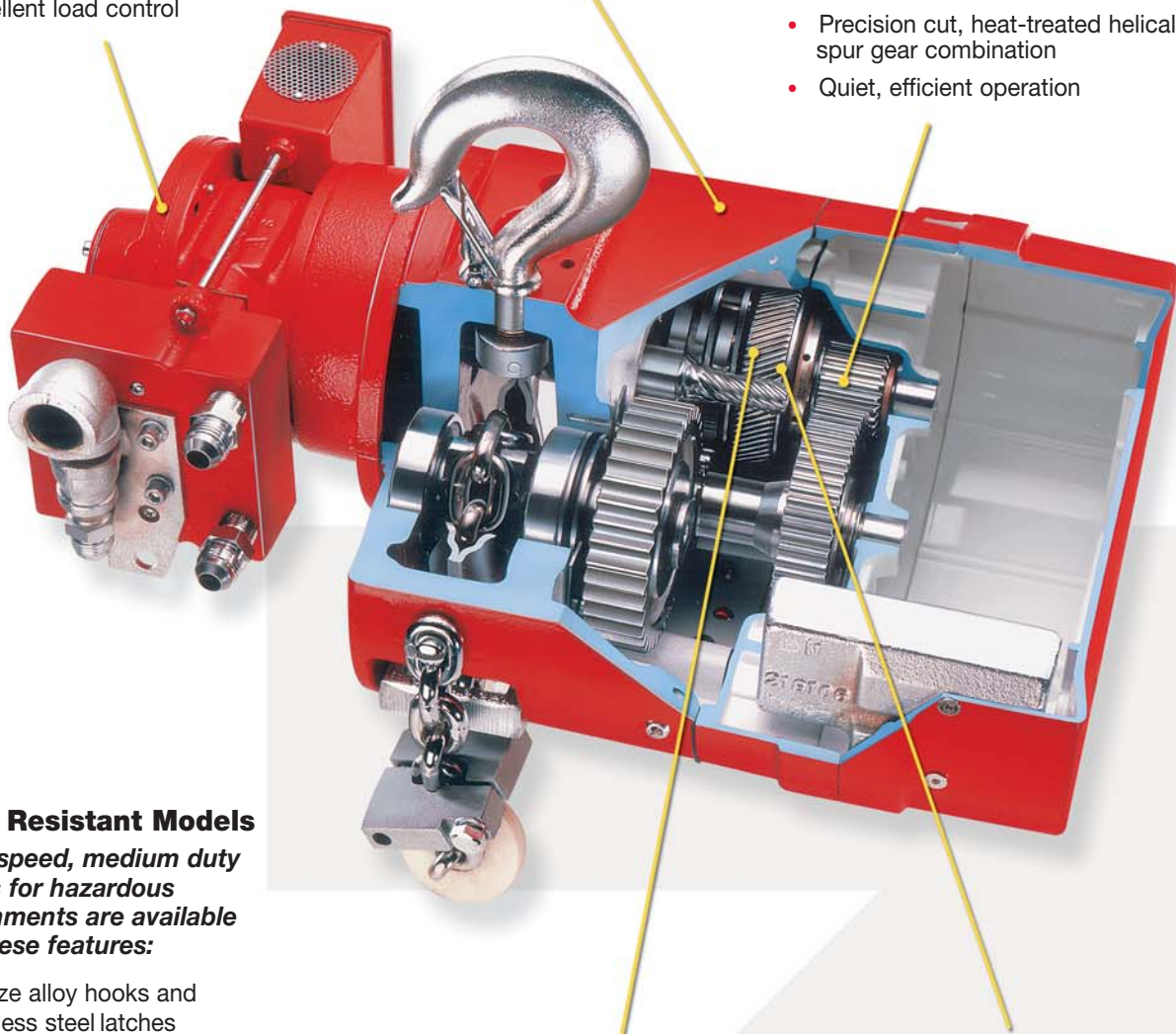
*Full-flow pendant design offers operator exacting throttle control:*

- Precise throttle valves meter air flow for smooth operation

## Combination Gearing

*Model CAH hoists combine efficient gearing that features:*

- Precision cut, heat-treated helical and spur gear combination
- Quiet, efficient operation



## Spark Resistant Models

*Lower speed, medium duty models for hazardous environments are available with these features:*

- Bronze alloy hooks and stainless steel latches
- Chrome nickel non-magnetic stainless steel alloy load chain
- Bronze limit stop with aluminum limit actuators and modified sprocket and guide

## Mechanical Load Brake

*Positive acting Weston-type load brake*

- Holds the load effectively
- Provides exacting load spotting and control

## Overload Protection

*Overload device helps ensure smooth, safe operation:*

- Protects against excessive overloads
- Clutch acts as upper and lower limits of chain travel