

## INDUSTRIAL AIR HOISTS (250 - 2000 KG)

### FEATURES AND CHARACTERISTICS

**Precise Control:**

Toggle control, pilot pendent and direct pendent control offer variable speed control. Accurate and precise positioning of loads is standard for all models.

**Fail Safe Disc Brake:**

Non-asbestos self adjusting disc brake is applied automatically when the air supply to the hoist is shut off. The brake is self adjusting for the life of the brake disc.

**Hook Travel Limits:**

The hoist switches off automatically when the hook reaches its highest or lowest point of travel.

**Integral Silencer:**

The exhaust air silencer is built into the gearbox housing and limits the noise level to 76 dB (A). The exhaust air has a cooling effect on the gearbox.

**Chain Lubrication:**

Small quantities of exhaust air blow over the chain thereby keeping it clean and depositing in line lubrication onto it. This prolongs the life of load wheel and chain.

**Lightweight Housing:**

Compact high strength aluminum housing ensures portability and corrosion resistance.

**Vane Motor:**

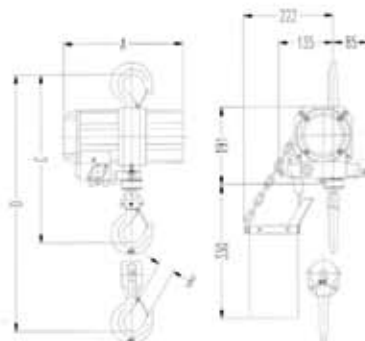
Air ported, spring assisted vane lifting ensures maximum torque when starting under load.

**Sealed Gearbox:**

The sealed planetary gearbox ensures that the most stringent duty cycles can be met. The gears are heat treated and mounted on high strength, low friction bearings.

**Chain and Guides:**

Grade 80 zinc plated load chain is standard. The chain guide guides the fast moving chain onto the load wheel without twisting.



### Technical Specifications at 6.3 Bar (90psi)

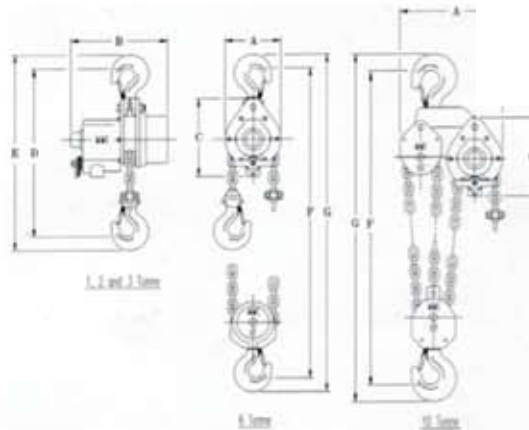
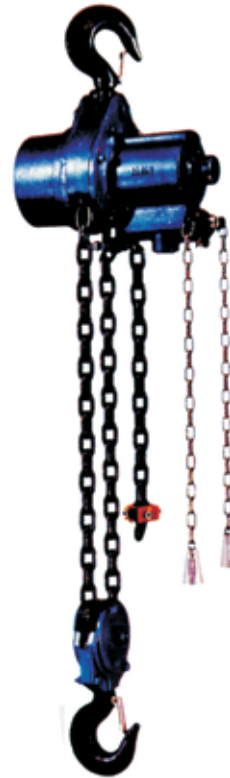
Model	HAI 250	HAI 500	HAI 1000	HAI 10/20
Lifting capacity (tonne)	0.25	0.5	1.0	2.0
Falls of chain	1	1	1	2
Total Weight (kg)*	21.0	23.0	23.0	25.0
Full load lifting speed (m/min)	21.5	16.0	8.0	4.0
No load lifting speed (m/min)	29.5	29.5	14.8	7.4
Full load lowering Speed (m/min)	24.0	27.5	13.8	6.9
No load lowering Speed (m/min)	16.5	16.5	8.3	4.2
Air Consumption (m <sup>3</sup> /min)	2.1	2.1	2.1	2.1
Air connection	1/2"	1/2"	1/2"	3/4"
Supply hose (inside Ø) (mm)	16.0	16.0	16.0	16.0
Sound level (dB(A))	76	76	76	76
Dimensions (mm)	A	255	308	308
	B	35	35	37
	Min C	416	416	416
	Min D	-	-	479



## INDUSTRIAL AIR HOISTS (1000 - 10 000 KG)

### FEATURES AND CHARACTERISTICS

- 1. Precise Control:** Variable speed control for accurate and precise positioning of loads is possible, from very slow to fast.
- 2. Automatic Fail Safe Brake:** Should the supply of compressed air be stopped the brake will automatically stop the hoist.
- 3. Flame Proof:** The hoist can be used in areas where only flame proof equipment may be used.
- 4. Dust Proof and Durable:** The motor and gearbox are totally dust proof and are therefore particularly well suited for foundries, cement factories, mills, galvanizing plants, shipyards, chemical industries and underground mining. The robust construction was developed through 15 years experience obtained by using the hoist underground in harsh mining conditions.
- 5. Ease of Maintenance:** The hoists are designed to give easy access to internal components. Modular construction allows for access either to the gearbox, motor or centre section using semi-skilled labour.
- 6. Service and Spares:** As the hoist is manufactured in Republic of South Africa, spares, accessories and service are readily available.



### Technical Specifications at 6 Bar

Lifting capacity (tonne)	1	2	3	6	10
Model	HA 1000	HA 2000	HA 3000	HA 6000	HA 10000
Fall of chain	1	1	1	2	3
Full load lifting speed (m/min)	6.7	2.7	3.6	1.8	1.2
No load lifting speed (m/min)	17.3	6.3	9.8	5.0	3.2
Full load lowering Speed (m/min)	12.2	4.9	6.5	3.3	2.1
No load lowering Speed (m/min)	9.7	3.6	5.5	2.8	1.8
Air Consumption (m <sup>3</sup> /min)	2.8	2.8	4.0	4.0	4.0
Weight without chain (kg)	35	43	56	80	90
Supply hose inlet (dia)	19	19	25	25	25
Noise level (dB(A))	82	82	84	84	84
Dimensions (mm)					
A	210	210	210	210	367
B	281	312	371	371	371
C	305	305	295	295	295
Min D	465	520	500	-	-
Min E	520	610	600	-	-
Min F	-	-	-	660	747
Min G	-	-	-	760	871