



# M.M.E. AIR HOISTS HA22, HA32 & HA42 SERIES MINING AIR HOISTS (2, 3, 4, 6 & 10 TONNE)



**RELIABLE    FAST    EFFICIENT    QUIET    LIGHTWEIGHT**

**LIFTING YOUR WORLD**

MME HA22, HA32 and HA42 series mining air hoists are designed specifically for mining applications and are suited to both pulling and lifting operations. The HA4200 4 tonne mining air hoists are designed specifically for winch moving applications in mining environments where 3 tonne working load limit (WLL) units are incapable of performing the required tasks. The hoists operate at air pressures of between 4 and 6 bar and have a factor of safety in excess of 5 at the rated load. They comply with the requirements of SANS 1638 and ASME B30.16. The manufacturing facility producing the hoists is ISO9001, ISO14001 & OHSAS18001 certified.

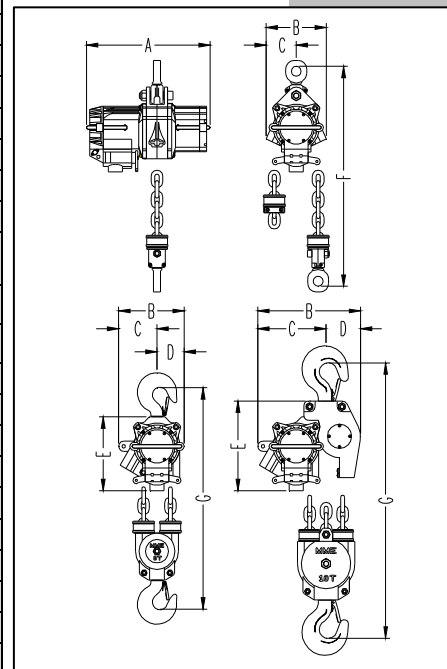


Management System  
ISO 9001:2008

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ID 9105085673

## TECHNICAL SPECIFICATIONS

MODEL		HA2200	HA3200	HA4200	HA32/60	HA32/100
Lifting Capacity (tonne)		2.0	3.0	4.0	6.0	10.0
Falls of Chain		1	1	1	2	3
Chain Size (mm)		10 x 28	13 x 36	13 x 36	13 x 36	13 x 36
Total Weight (kg) *		51.5	59.5	64.0	82.5	122.5
Full Load Lifting Speed (m/min) @ 6 bar †		5.3	4.8	3.6	2.4	1.5
Full Load Lifting Speed (m/min) @ 4 bar †		3.2	3.0	2.3	1.5	0.9
No Load Lifting Speed (m/min) @ 6 bar †		7.0	6.4	4.8	3.2	2.0
Full Load Lowering Speed (m/min) @ 6 bar †		7.5	7.0	5.3	3.5	2.3
No Load Lowering Speed (m/min) @ 6 bar †		5.9	5.4	4.1	2.7	1.7
Dual Lower Hook Full Load Lifting Speed (m/min) @ 6 bar ‡		4.7	4.2	3.2	-	-
Air Consumption (m <sup>3</sup> /min) @ 6 bar		2.6	4.0	4.0	4.0	4.0
Air Consumption (m <sup>3</sup> /min) @ 4 bar		1.7	2.6	2.6	2.6	2.6
Air Connection		G1	G1	G1	G1	G1
Supply Hose (Inside Ø) (mm)		19	25	25	25	25
Sound Level (dB(A))		83	83	83	83	83
Dimensions (mm)	A	411	446	462	446	446
	B	192	215	215	234	366
	C	96	108	108	137	243
	D	-	-	-	97	123
	E	-	-	-	259	315
	Min F	470	465	465	-	-
	Min G	-	-	-	630	786



\* Weight of HA22, HA32 & HA42 models include 3m lift, 3m toggle control, closed eye top hook and closed eye lower hook.

\* Weight of HA32/60 and HA32/100 models include 3m lift, 3m toggle control, J-type top and lower hook.

† Speeds listed are for toggle control, single lower hook models.

‡ Speeds listed are for toggle control, dual lower hook models.

## FEATURES AND CHARACTERISTICS

- Load Limiter** : Integral load limiter which automatically prevents the operator lifting a load in excess of 130% of the working load limit. Load limiter is 100% repeatable at all working pressures and does not wear or generate damaging heat.
- Precise Control** : Lever control, pilot pendent control and direct pendent control offer variable speed control. Accurate and precise positioning of loads is standard for all models. Various lock out options available.
- 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 and is capable of holding in excess of 125% of the working load limit.
- Integral Silencer** : The exhaust air silencer is built into the hoist gearbox housing and limits the noise level to 83dB(A).
- Load Chain** : Grade 8 load chain ensures stringent high speed duty cycles can be met. The load chain is in accordance with the requirements of SANS/ISO 3077 and EN818-7 Appendix B.
- Carry Handles** : Ergonomic carry handles ensure improved transportability of the hoist.
- Vane Motor** : Assisted vane lifting ensures maximum starting 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.
- Ease of Maintenance** : The modular design of the hoist allows easy access to internal components such as the motor, gearbox, brake and load limiter. Common parts are used throughout the range.

**M.M.E. MANUFACTURING CO. (PTY) LTD**  
**P.O. BOX 355 CARLETONVILLE 2500, SOUTH AFRICA**  
**TEL: +27 (18) 788-6674/5/6**      **FAX: +27 (18) 786-1479**  
**Email: info@mmelifting.com**      **Website: www.mmelifting.com**