



M.M.E. AIR HOISTS HAI52 SERIES INDUSTRIAL AIR HOISTS (5, 10, 16 & 20 TONNE)



RELIABLE FAST EFFICIENT QUIET DURABLE

LIFTING YOUR WORLD

MME HAI52 series industrial air hoists are designed for heavy lift applications in industrial, marine and general engineering applications such as foundries, heat treatment plants, power generation plants and shipyards. The hoists operate at air pressures of between 4 and 6 bar. They comply with the requirements of SANS 1638, ASME B30.16 and EN14492-2. The manufacturing facility producing the hoists is ISO900, ISO14001 & OHSAS18001 certified.

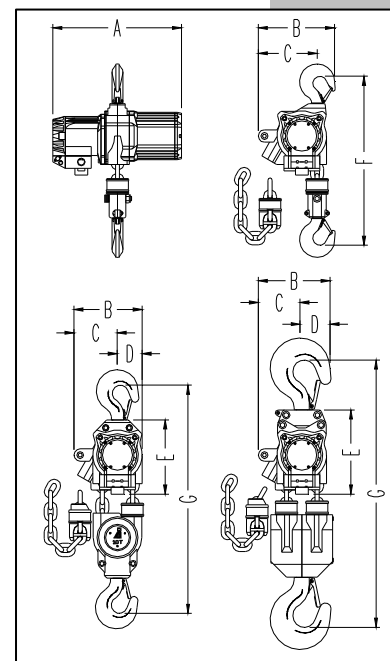


Management System
ISO 9001:2008

www.tuv.com
ID 9105085673

TECHNICAL SPECIFICATIONS

MODEL		HAI5200	HAI52/100	HAI52/160	HAI52/200
Lifting Capacity (tonne)		5	10	16	20
Falls of Chain		1	2	3	4
Chain Size (mm)		16 x 45	16 x 45	16 x 45	16 x 45
Total Weight (kg) *		106	152	245	288
Full Load Lifting Speed (m/min) @ 6 bar †		3.0	1.5	0.9	0.7
Full Load Lifting Speed (m/min) @ 4 bar †		1.9	0.9	0.6	0.4
No Load Lifting Speed (m/min) @ 6 bar †		4.0	2.0	1.1	0.9
Full Load Lowering Speed (m/min) @ 6 bar †		4.4	2.2	1.3	1.0
No Load Lowering Speed (m/min) @ 6 bar †		3.3	1.7	1.0	0.8
Air Consumption (m ³ /min) @ 6 bar		4.0	4.0	4.0	4.0
Air Consumption (m ³ /min) @ 4 bar		2.6	2.6	2.6	2.6
Air Connection (Pendent Control)		G1	G1	G1	G1
(Toggle Control & E/Stop)		G3/4	G3/4	G3/4	G3/4
Supply Hose (Inside Ø) (mm)		25	25	25	25
Sound Level (dB(A))		83	83	83	83
Dimensions (mm)	A	503	503	616	616
	B	300	270	290	280
	C	230	170	180	165
	D	-	100	110	115
	E	-	286	325	325
	Min F	600	-	-	-
	Min G	-	790	905	920



* Weight of HAI5200 model includes 3m lift, 2m toggle control. For longer lifts add 5.7kg per metre of lift.

* Weight of HAI52/100, HAI52/160 and HAI52/200 models include 3m lift, 2m toggle control. For longer lifts add 11.4kg for the HAI52/100, 17.1kg for the HAI52/160 and 22.8kg for the HAI52/200 per metre of lift.

* For pendent control add 0.8kg.

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.
- Emergency Stop** : All hoists can be supplied with an emergency stop device as an option. This shuts off the main air supply to the hoist when activated. Resetting the device will not automatically restart the hoisting operation.
- Precise Control** : Accurate and precise positioning of loads is standard for both toggle and pendent control 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 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 case hardened, zinc plated load chain ensures stringent high speed duty cycles can be met. The load chain is in accordance with the requirements of EN818-7 and SANS/ISO 3077 Appendix B.
- 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.

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