

# Air Monorail Trolley Hoists

Tiger air monorail trolley hoists are designed for, and proven in, many industries including mining, shipyards, offshore construction and power stations. They are also used for industrial and general engineering applications such as automotive plants, foundries, and heat treatment plants. The hoists operate at air pressures of between 4 and 6 bar. They comply with the requirements of ASME B30.16 and EN14492-2. Our manufacturing facility is ISO9001 certified.

- Range - 10 tonne, 16 tonne and 20 tonne
- Reliable, fast, efficient, quiet and lightweight
- Greater than 5:1 factor of safety
- Certified for ATEX Category 3 – normal safety



## Features of Tiger Air Monorail Trolley Hoists

### Safety

Anti-fall, anti-derailment and anti-tilt features are standard throughout the range.

### Load Limiter

Integral differential pressure load limiting valve automatically prevents the operator lifting a load of more than 125% 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 monorail hoists are supplied with main line emergency stop as standard. This shuts off the main air supply to the hoist and traverse motors when activated.

### Temperature Range

Ambient temperature range -20°C to +70°C (for temperatures outside of this range please contact us for details).

### Precise Control

Accurate and precise positioning of loads is standard for all models.

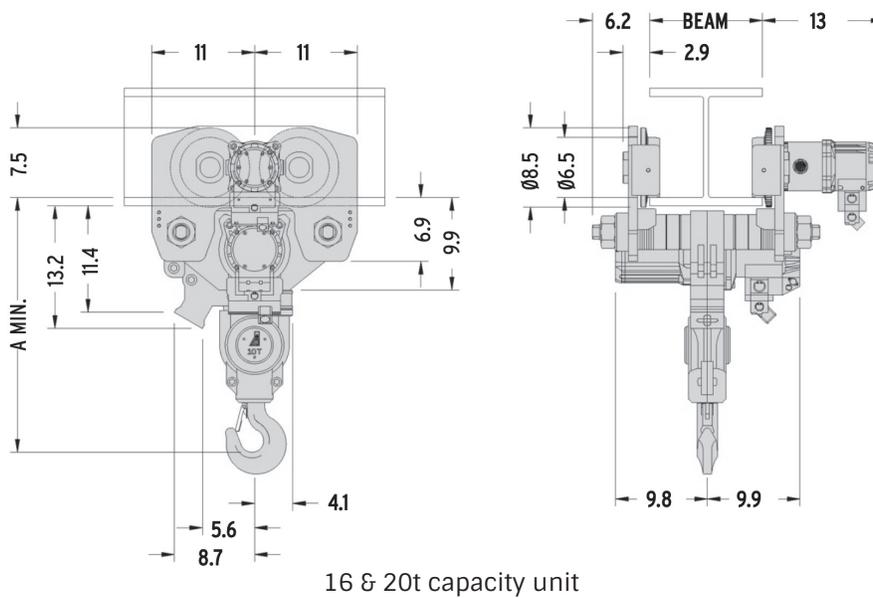
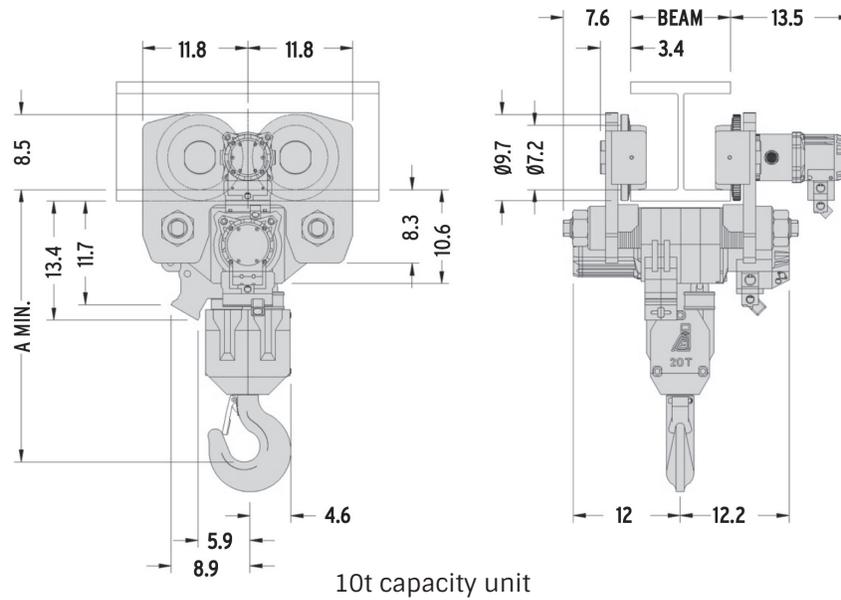
### Fail Safe Disc Brake

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 and can hold more than 125% of the working load limit.

Product Code	Capacity (tons, T)	Falls of Chain	Chain Size (mm, in)	Beam Width Range (mm, in)	Min. Headroom (mm, in)	Full Load Lifting Speed (m/min, ft/min)	No Load Lifting Speed (m/min, ft/min)	Full Load Lowering Speed (m/min, ft/min)	No Load Lowering Speed (m/min, ft/min)	Air Consumption (m <sup>3</sup> /min, cfm)	Air Connection	Supply Hose (Inside Ø) (mm, in)	Sound Level (dB(A))	Total Weight (kg*, lbs)
MTH-102	10.0, 11.0	2	16x45, 0.6x1.8	150-300, 5.9-11.8	685, 26.9	1.5, 4.9	2.0, 6.6	2.2, 7.2	1.7, 5.6	4.0, 141	G <sup>3</sup> / <sub>4</sub>	25, 0.98	83	375, 827
MTH-160	16.0, 16.25	3	16x45, 0.6x1.8	150-300, 5.9-11.8	740, 29.1	0.9, 2.9	1.1, 3.6	1.3, 4.3	1.0, 3.3	4.0, 141	G <sup>3</sup> / <sub>4</sub>	25, 0.98	83	570, 1257
MTH-200	20.0, 22.04	4	16x45, 0.6x1.8	150-300, 5.9-11.8	780, 30.7	0.7, 2.3	0.9, 2.9	1.0, 3.3	0.8, 2.6	4.0, 141	G <sup>3</sup> / <sub>4</sub>	25, 0.98	83	595, 1312

\* For larger beam widths than shown here, contact the factory

All diagram measurements are imperial



Ex II 3 GD c IIB T4 IIIB T135°C

II	3	GD	c	IIB	T4	IIIB	T135°C	
								<b>T135°C</b> Dust Temperature Class: Maximum external surface temperature 135°C
								<b>IIIB</b> Groups of Dust: Protected for group IIIC which includes groups IIIA
								<b>T4</b> Gas Temperature Class: Maximum external surface temperature 135°C
								<b>IIB</b> Gas Explosion Group: Protected for group IIB which includes group IIA
								<b>c</b> Protection type: Design safety
								<b>GD</b> Ex Atmosphere: Gas and Dust
								<b>3</b> Category: Normal Safety
								<b>II</b> Equipment Group: surface industries

Also available for ATEX Category 2 - high safety - please contact us for more information.

