

Hand chain hoist with hook suspension or integrated push or geared type trolley model Yalelift

new!

Capacities from 500 kg to 20000 kg

In almost all areas of industry and not only the chemical industry, plants are operated with potentially explosive atmospheres. Due to the very high risk to personal and other assets, extremely strict guidelines and technical requirements are in place in explosive zones.

The hand chain hoist model Yalelift 360 once again proves its worth in an environment that far exceeds the requirements of a classical hand chain hoist. On the basis of the European Directive 94/9/EC this model series has been further developed for the use in potentially explosive atmospheres (ATEX zones).

The temperature of the brake is especially critical for manual hoisting equipment used in explosive zones. Tests have shown that the temperature increases significantly during the load lowering process. After analyzing potential ignition hazards, intensive temperature tests were carried out on the Yalelift 360.

To solve the problem of increased temperatures, a special cooling body was developed for the brake.

The Yalelift 360 in an explosion proof version can be classed as follows:

II 2 GD c IIB T4 T 125°C X

II 2 GD c IIB T3 T 145°C

The test documents have been deposited with a notified body (0035).

Features

- Stainless steel hand chain
- Zinc plated load chain
- Special corrosion prevention coating
- Atex brake
- Copper plated suspension and load hooks
- Solid bronze trolley wheels
- Rubber buffers for trolleys

Options

- Stainless steel load chain
- Overload protection device
- Chain container
- Beam locking device



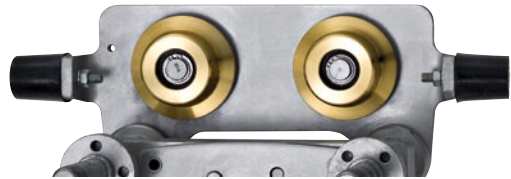
! Also available for all other Yalelift versions,
(e.g. Yalelift LH with low headroom, Towerlift).

Applications

Paint factories, paint spray shops, foundries, on-/offshore, refineries, oil storage facilities, electroplating shops, automobile industry, on ships and ship yards, printers, textile and paper industries, food processing industry, glass and/or ceramic industries, timber yards/saw mills and heat treatment shope etc.



Brake with special cooling body for the use in potentially explosive atmospheres



Standard solid bronze trolley wheels and rubber buffers

Identification



II 2 GD c IIB T4 T 125°C X

II 2 GD c IIB T3 T 145°C



Sign of prevention of explosion

II	Classification II	<ul style="list-style-type: none"> special areas (without mines)
2	Category 2	<ul style="list-style-type: none"> zone 1 and 2 resp. zone 21 and 22
GD	G	<ul style="list-style-type: none"> gas
	D	<ul style="list-style-type: none"> dust
c	Type of protection	<ul style="list-style-type: none"> design safety
IIB	Gas group	<ul style="list-style-type: none"> only for units used in gas ex-areas (e.g. Ethylene)
T4 (T3)	Temperature class	<ul style="list-style-type: none"> max. surface temperature on one surface of gas could arrive
T 125°C	Surface temperature	<ul style="list-style-type: none"> max. surface temperature on one surface of dust could arrive
X	Particular specification	<ul style="list-style-type: none"> correct operation

Technical data model Yalelift explosion-proof version II 2 GD c IIB T4 T 125°C X, II 2 GD c IIB T3 T 145°C

Model	Capacity kg	Number of chain falls	Chain dimensions d x p mm	Hand chain overhaul per 1 m lift m	Pull on hand chain at WLL daN	Weight at standard lift (3 m) kg
YL 500	500	1	5 x 15	30	21	9
YL 1000	1000	1	6 x 18	49	30	13
YL 2000	2000	1	8 x 24	71	32	20
YL 3000	3000	1	10 x 30	87	38	29
YL 5000	5000	2	10 x 30	174	34	38
YL 10000	10000	3	10 x 30	261	44	71
YL 20000	20000	6	10 x 30	522	2 x 44	196



Certified since november 1991

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