

Ex II 3 G Ex h IIB T4 Gc

Ex II 3 D Ex h IIB T 135 °C Dc



TCR 1000C2
with cable control
(Chain control)

Air power trolley DLK (upon request)



AIR CHAIN HOIST | LIFTMASTER TCR

The areas of application

A hoist can not just be selected for its load bearing capacity. Easy operation, the type of task, the frequency of use, the required speed and precision of the control are important factors that must be considered. The LIFTMASTER compressed air hoist can basically be used wherever electric hoists are used. Furthermore, it is particularly suitable for explosive areas and corrosive atmospheres, as its motor is innately non-sparking and extremely resistant to environmental influences. Expensive protective measures are therefore not required.

Fault-free operation

Overloads cannot damage the LIFTMASTER, as there is no overheating and torsion that burns through. To protect the bearing structures and to conform with the CE Machinery Directive, as of a load bearing capacity of 1 t, adjustable overload cut-off devices are provided, which are also available as an option for smaller devices. Whether it's being stopped and started or operated continuously: you can expect reliable performance.

Compact and light

Small dimensions and a light structure make the LIFTMASTER ideal for low installation conditions

Variable speed

Unlimited speed changes make it possible to position loads accurately and precisely. The knotted link control can be controlled very precisely thanks to its direct connection to the control rod.

Soft start and stop

The LIFTMASTER provides high operational safety. A soft start-up reduces wear, as gentle operation of the compressed air hoists leads to fewer vibrations and a longer device service life.

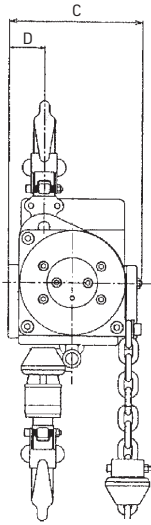
Best cost effectiveness

Thanks to the low air consumption and the low procurement cost, the LIFTMASTER is very costeffective.

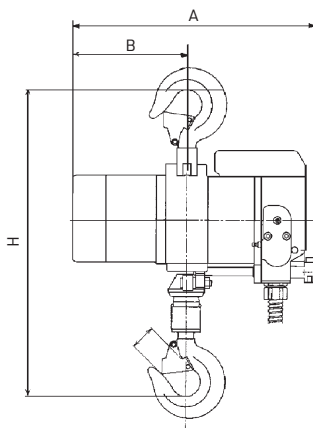
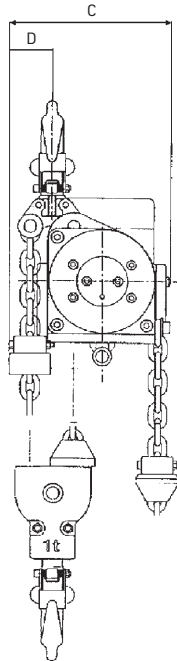
Air pressure

The LIFTMASTER achieves its specified performance data at 6 bar flow pressure. 4 or 5 bar is also sufficient, whereby only 70 or 85 % of the speeds are reached. The rated load is always lifted. The very comprehensive range of TCR compressed air

1-chain fall



2-chain falls



hoists from 0.25 to 100 tonnes has a very convenient ratio of size to performance. The speeds of the hoists can be varied infinitely and they are designed for continuous use, a switch-on duration of 100 % is no problem. Smooth starts and stops prevent "shock" movements. The TCR compressed air hoists are particularly suitable for continuous and safe use thanks to their compact cast steel housing.

Equipment features:

- Drop-forged, high-strength hook made of tempered steel
- Stable, galvanised hook aperture safeguards
- Effective noise suppressor
- Precise chain guide with chain wiper
- Reliably starting multi-disc motor with 7 discs
- Control valve for precise speed control
- Robust cast metal housing
- Drive chain sprocket with accurately fitting, milled recesses
- Limit switches for top and bottom hook position, and rocker switch for knotted link chain control
- Flexible control hoses
- Round steel chain in accordance with DIN EN 818-7-T, with rust protection coating
- Three-stage planetary gear
- Automatic disc brake
- EMERGENCY STOP button, also for 4-fold button control with trolley, in accordance with EN 418.
- Rotatable hook bundle in axial ball bearing

TYP	LIFTMASTER TCR ...	250C/P	500C/P	1000C2/P	1000C/P	2000C2/P
Tragfähigkeit (Luftdruck 6 bar – 1Bm)	kg	250	500	1.000	1.000	2.000
Hubgeschwindigkeit ohne Last	m/min	20,5	20,5	10,3	11,3	5,7
Hubgeschwindigkeit mit Nennlast	m/min	10,5	10,5	5,3	6	3
Senkgeschwindigkeit ohne Last	m/min	13,4	13,4	6,7	6,8	3,4
Senkgeschwindigkeit mit Nennlast	m/min	17,9	17,9	9	10,3	5,2
Luftverbrauch bei Volllast	l/sec	25	25	25	25	25
Anzahl der Kettenstränge		1	1	2	1	2
Lufteinlass R	Zoll	1/2"	1/2"	1/2"	1/2"	1/2"
Kettengröße	mm	6,3 x 19,1	6,3 x 19,1	6,3 x 19,1	7,1 x 21	7,1 x 21
A (Maße)	mm	342	342	342	342	342
B	mm	156	156	156	156	156
C	mm	149	149	180	157	194
D	mm	52	52	47	40	50
E	mm	29	29	29	29	29
H	mm	462	462	519	466	580
Gewicht mit Standardhub	kg	31	31	34	35	40
TCR inkl. 3 m Hub mit Kettensteuerung	Best.-Nr.	H10001	H10002	H10003	H10004	H10005
TCR inkl. 3 m Hub mit Tastensteuerung	Best.-Nr.	H10015	H10016	H10017	H10018	H10019
Mehrhub Lastkette je m	Best.-Nr.	H10029	H10029	H10030	H10031	H10032
Wartungseinheit	Best.-Nr.	H10054	H10054	H10054	H10054	H10054
Kettenbeutel (Kunststoff) bis 3 m Hub	Best.-Nr.	H10340	H10341	H10342	H10343	H10344
Druckluftmotorfahrwerk DLK	Best.-Nr.	H10044	H10052	H10053	H10099	H10045
Mehrlänge Knotenkette je m	Best.-Nr.	H10042	H10042	H10042	H10042	H10042
Mehrlänge Tastensteuerung je m	Best.-Nr.	H10043	H10043	H10043	H10043	H10043
Pneumatik-Spezial-Öl (2,5 Liter Inhalt)	Best.-Nr.	H20566	H20566	H20566	H20566	H20566

Kettenbeutel ab 10.000 kg (Stahlblech) auf Anfrage!