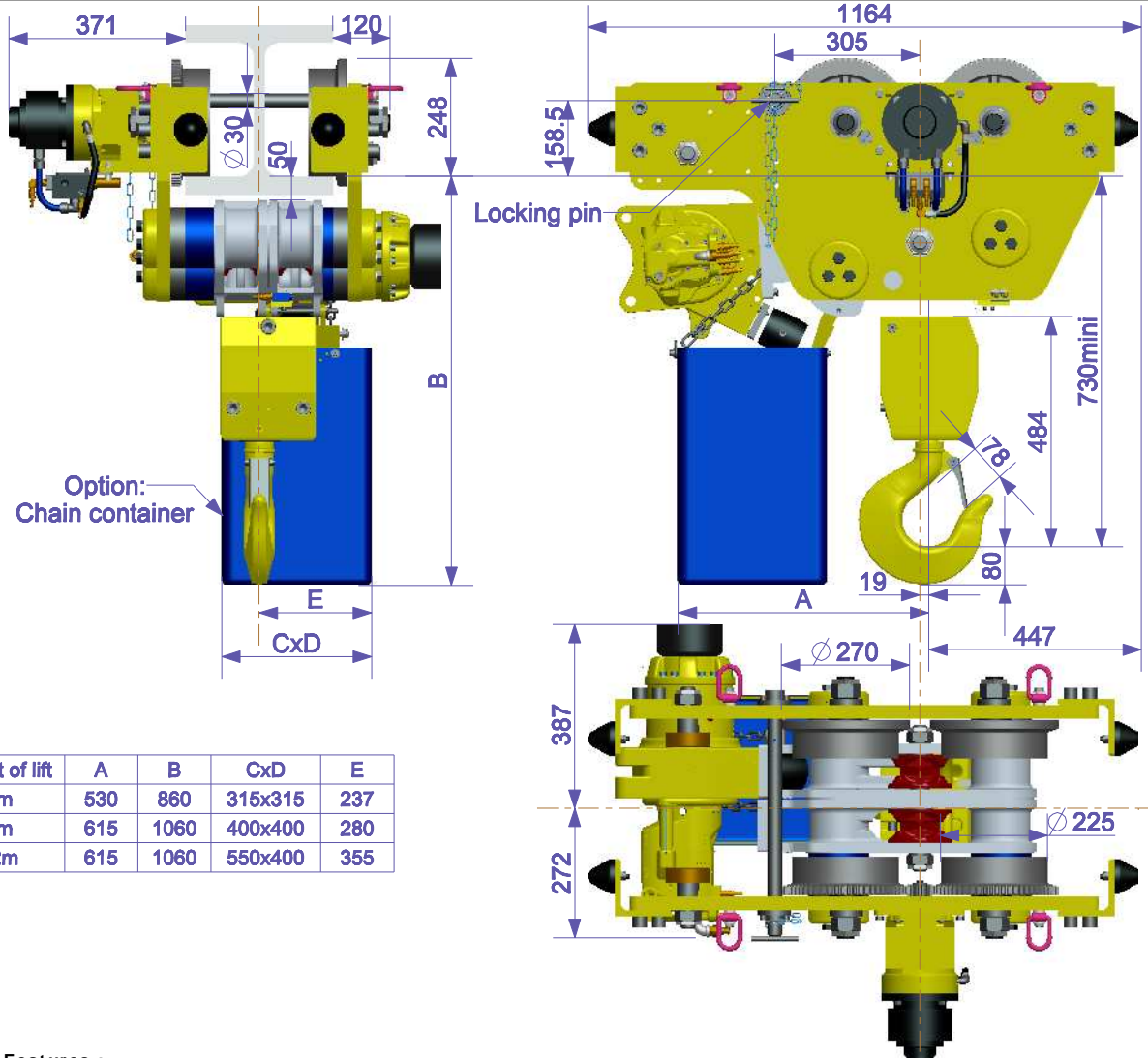


# LIFTCHAIN LC2A Series LOW HEADROOM AIR CHAIN HOIST Model LC2A180TIP3LVE(N)...-E

18ton lifting capacity



IREP Drawing Number	Rev.
09-10-20 - L645	A
Customer Drawing Number	
Folio:	1 / 1
Engineering Manager Approval: JLF	



Height of lift	A	B	CxD	E
4m	530	860	315x315	237
8m	615	1060	400x400	280
12m	615	1060	550x400	355

### Standard Features :

- Rugged and Compact modular design
- Design temperature -20°C
- Explosion proof - 100% duty rating - No downtime
- Gear type air motor on hoist and multi-vane air motor on trolley
- Overload protection device adjusted at factory during load tests
- Main air emergency stop at pendant (as per EN 418)
- Variable speed control at pilot pendant (4 buttons)
- Top and bottom limit switches integrated in hoist body for better protection
- Automatic fail safe disc brake on hoist and trolley (no adjustment required)
- Corrosion resistant load chain
- Individually load tested before shipment

It is strongly recommended to use a lubricating and a filtration system on the compressed air line.  
The compressed air temperature must not exceed 65°C at the motor air inlet.  
For higher temperature, please consult us.

### Options:

- Gear type air motor on trolley (instead of vane motor)
- Spark resistant package for ATEX zone 1
- Chain containers
- Marine or offshore paint including sandblasting
- Rack and pinion drive

### Ex classifications (ATEX)

- Standard version is suitable for Zone 2 (ATEX Marking Ex II 3 GD c IIB 135°C x)
- Optional spark resistant package is suitable for Zone 1 (ATEX marking Ex II 2 GDc IIB135°Cx)

### FEM classification

- Driving mechanism classification 1Bm

### Built in ISO 9001 certified factory

### Technical data at 6.3 bar

Model	LC2A180T
Rated Capacity (metricTon)	18
Falls of chain	3
Lifting speed at rated load (m/min)	0,7
Lifting speed at no load (m/min)	1,2
Lowering speed at rated load (m/min)	0,9
Travelling speed at rated load (m/min)	12
Travelling speed at no load (m/min)	15
Working pressure range (Bar)	4 to 7
Hoist air consumption at rated load (m <sup>3</sup> /min)	5
Trolley air consumption at rated load (m <sup>3</sup> /min)	1,9
Mini-Maxi trolley flange adjustment (mm)	200 - 310
Max. bottom flange beam thickness (mm)	40
Minimum curve radius (m)	10
Air in let (BSP)	3/4"
Chain size (mm)	16x45
Chain Weight per meter of lift (kg)	17,1
*Weight with std lift (Kg)	690

\*Net weight is given with standard lift of 3m and standard control length of 2m