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# LIFTCHAIN LC2A Series Model LC2A120D... Hook Mount 12 Tons Lifting capacity

IREP Drawing Number	Rev.
08/04/18-L645	A
Customer Drawing Number	
Folio :	1/1
Engineering Mgr. Approval : JLF	

**Standard Features :**

- Rugged and Compact modular design
- Design temperature -20°C
- Explosion proof - 100% duty rating - No downtime
- Gear type air motor with high starting torque providing long life
- Variable speed control at pilot pendant or pull chain
- Top and bottom limit switches intergrated in hoist body for better protection
- Automatic fail safe disc brake (no adjustment required)
- Zinc plated load chain for corrosion resistance
- Exhaust muffler for quiet operation
- Sound pressure level < 84 dBA
- Suitable for horizontal pulling applications
- Low maintenance cost
- 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:**

- Overload protection device adjusted at factory during load tests
- Main air emergency stop at pendent as per EN 418
- Spark resistant package for ATEX zone 1
- Chain containers
- Marine or offshore paint including sandblasting
- Trolley mount versions (plain, geared or motorized)
- Mining versions and hydraulic versions available

**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**

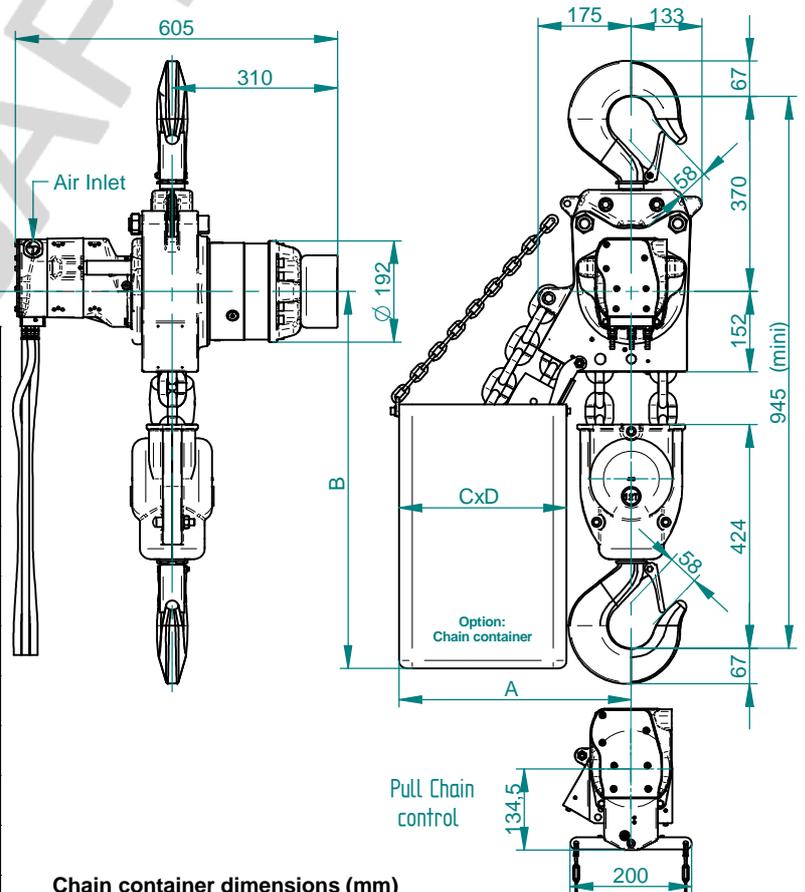
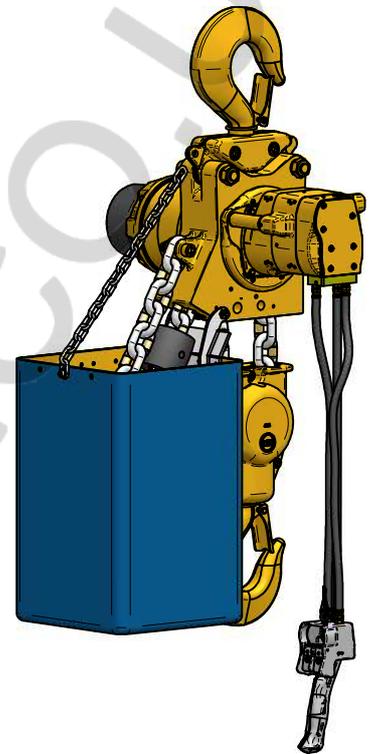
- Driving mechanism classification 1Bm

**Built in ISO 9001 certified factory**

**Technical data at 6.3 bar**

Model	LC2A120D
Rated Capacity (metricTon)	12
Falls of chain	2
Lifting speed at rated load (m/min)	1.1
Lifting speed at no load (m/min)	1.8
Lowering speed at rated load (m/min)	1.3
Working pressure range (Bar)	4 to 7
Air consumption at rated load (m <sup>3</sup> /min)	5
Minimum headroom (mm)	945
Air inlet (BSP)	3/4
Chain size (mm)	16x45
*Weight with std lift (Kg)	170
Chain Weight per meter of lift (kg)	11.4

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



**Chain container dimensions (mm)**

Height of lift	A	B	CxD	Option code
6 m	437	715	315x315	A
13 m	527	915	400x400	B
20 m	527	915	550x400	C

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