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# LIFTCHAIN LC2A Series Model LC2A180T... Trolley Mount 18 Tons Lifting capacity

|                                 |      |
|---------------------------------|------|
| IREP Drawing Number             | Rev. |
| 08/04/32-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 hoist motor with high starting torque providing long life
- Variable speed control at pilot pendant (4 buttons)
- Top and bottom limit switches intergrated in hoist body for better protection
- Automatic fail safe disc brake (no adjustment required) on hoist and trolley motor
- Zinc plated load chain for corrosion resistance
- Exhaust muffler for quiet operation
- Sound pressure level < 84 dBA
- 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
- 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**

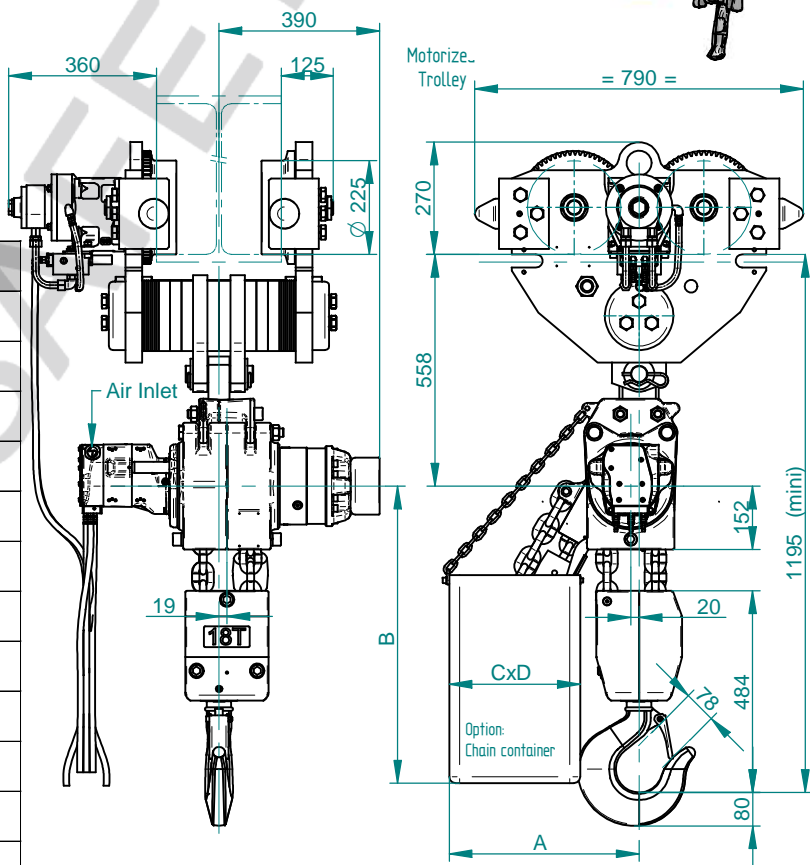
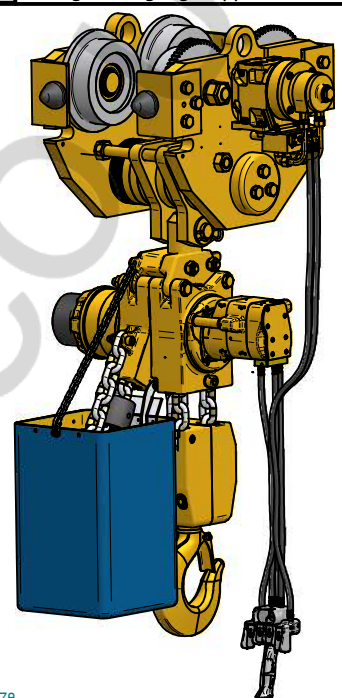
- Driving mechanism classification 1Bm

**Built in ISO 9001 certified factory**

**Technical data at 6.3 bar**

| Model   | 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)                    | 15       |
| Travelling Speed at no load (m/min)                       | 18       |
| Working pressure range (Bar)                              | 4 to 7   |
| Hoist air consumption at rated load (m <sup>3</sup> /min) | 5        |
| Trolley motor air consumption (m <sup>3</sup> /min)       | 1.9      |
| Mini-Maxi Trolley flange adjustment (mm)                  | 140-310  |
| Minimum headroom (mm)                                     | 1195     |
| Minimum curve radius (m)                                  | 5        |
| Air inlet (BSP)   | 3/4      |
| Chain size (mm)   | 16x45    |
| *Weight with std lift (Kg)                                | 652      |
| Chain Weight per meter of lift (kg)                       | 17.1     |

*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 |
|----------------|-----|-----|---------|-------------|
| 4 m            | 457 | 715 | 315x315 | A           |
| 8.5 m          | 547 | 915 | 400x400 | B           |
| 13 m           | 547 | 915 | 550x400 | C           |

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