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LIFTCHAIN LC2A Series

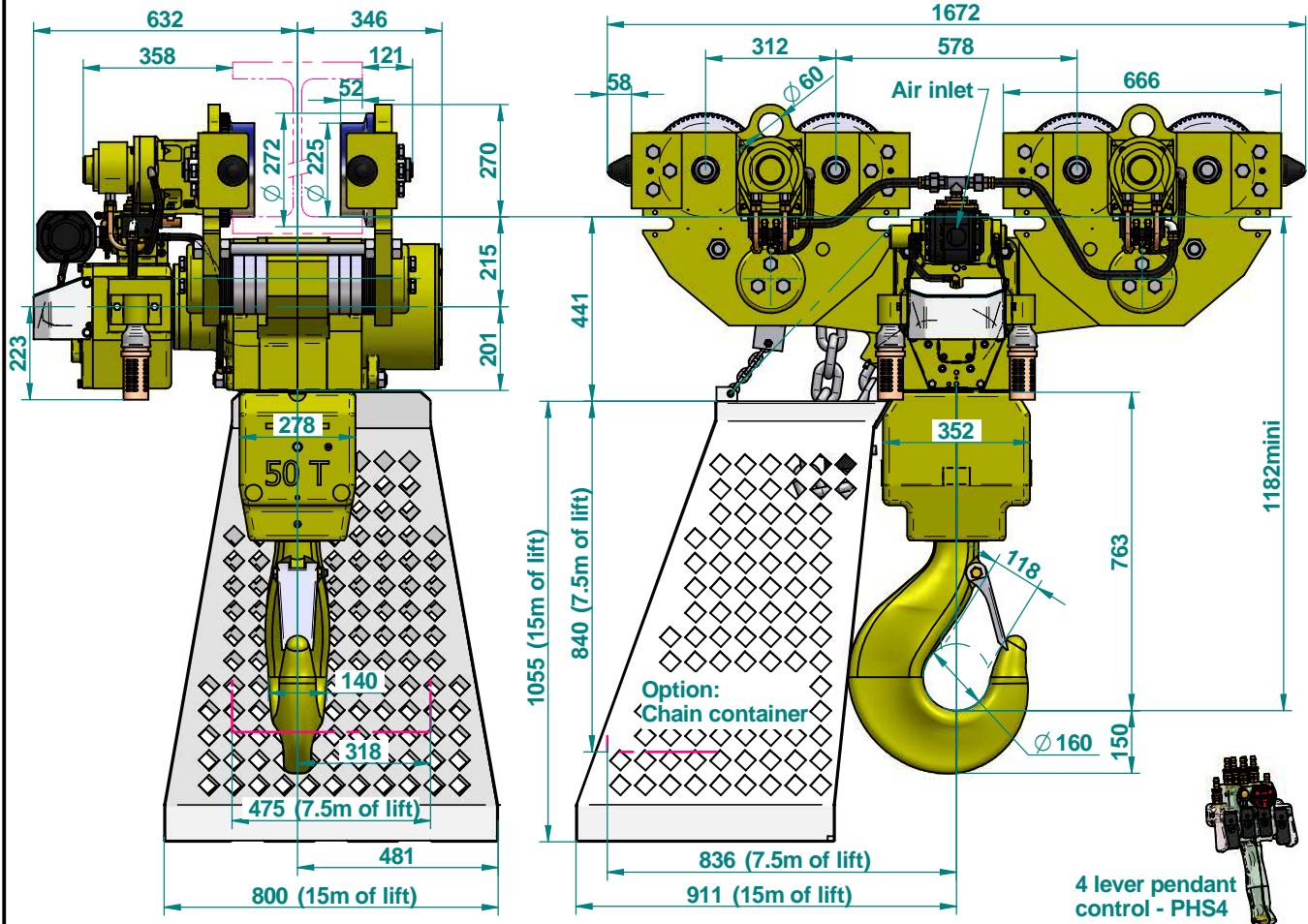
Model: LC2A500QIP3V..-E

Trolley Mount

50 Ton Lifting capacity



IREP Drawing Number	Rev.
08/09/03-L623	
Customer Drawing Number	
Folio:	1/1
Engineering Mgr. Approval : JLF	



Standard Features :

- Rugged and Compact modular design
- Design temperature -10°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:

- Spark resistant package for ATEX zone 1
- Gear type air motor on trolley (instead of vane motor)
- 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	LC2A500Q
Rated Capacity (metricTon)	50
Falls of chain	4
Lifting speed at rated load (m/min)	0.8
Lifting speed at no load (m/min)	1.5
Lowering speed at rated load (m/min)	1.5
Travelling speed at rated load (m/min)	12
Travelling speed at no load (m/min)	18
Working pressure range (Bar)	5 to 7
Hoist air consumption at rated load (m ³ /min)	10
Trolley air consumption at rated load (m ³ /min)	2x1.9
Mini-Maxi trolley flange adjustment (mm)	160-310
Max. bottom flange beam thickness (mm)	40
Minimum headroom (mm)	1182
Minimum curve radius (m)	90
Air inlet (BSP)	1"1/2
Chain size (mm)	22x66
Chain Weight per meter of lift (kg)	42.8
*Weight with std lift (Kg)	1740

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