



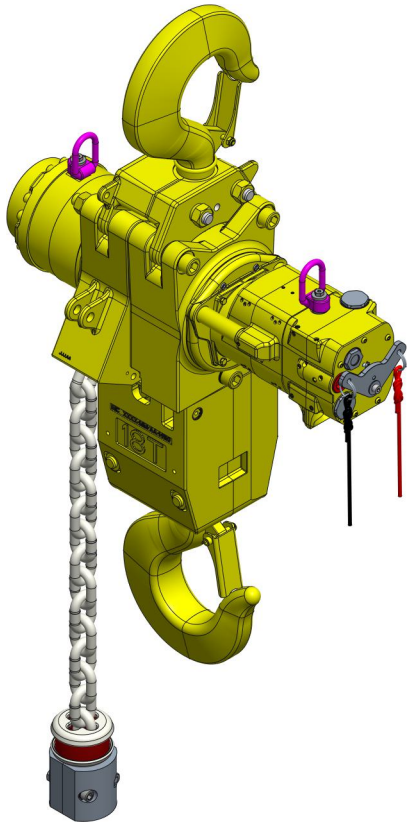
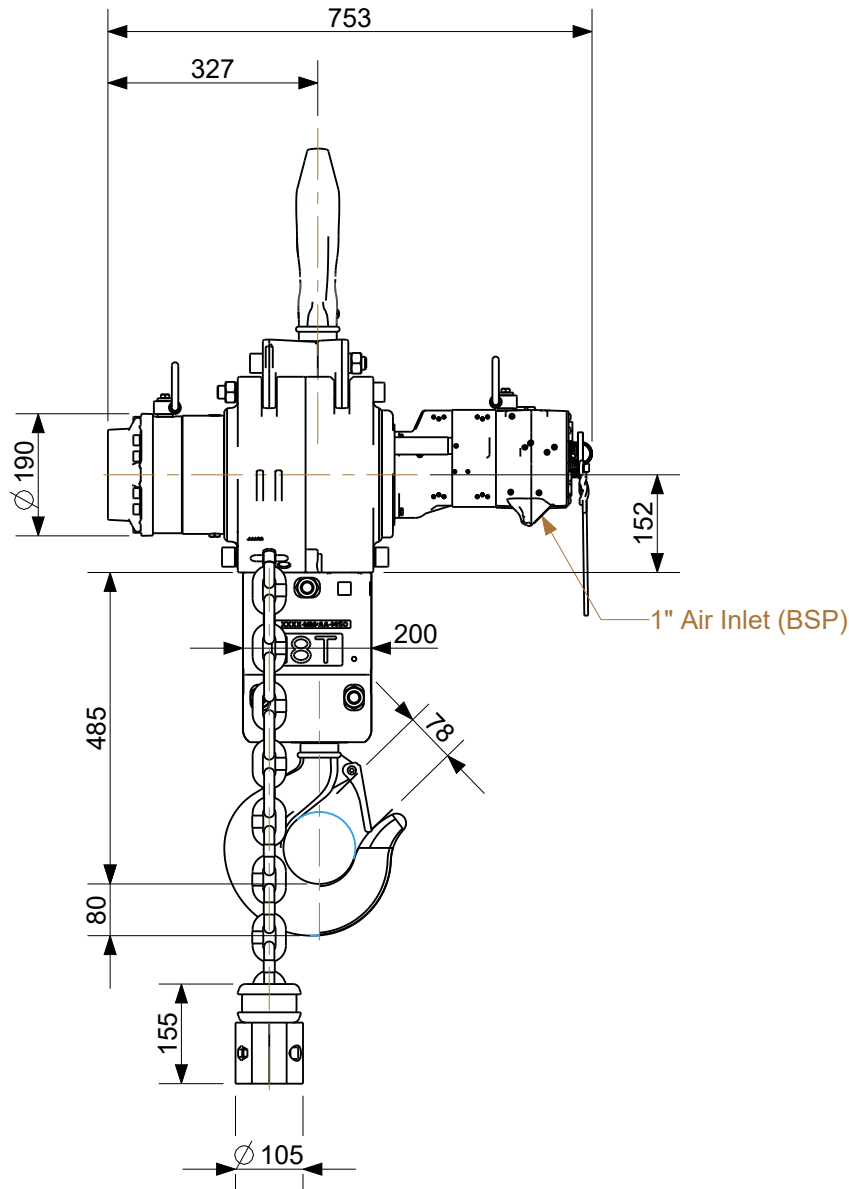
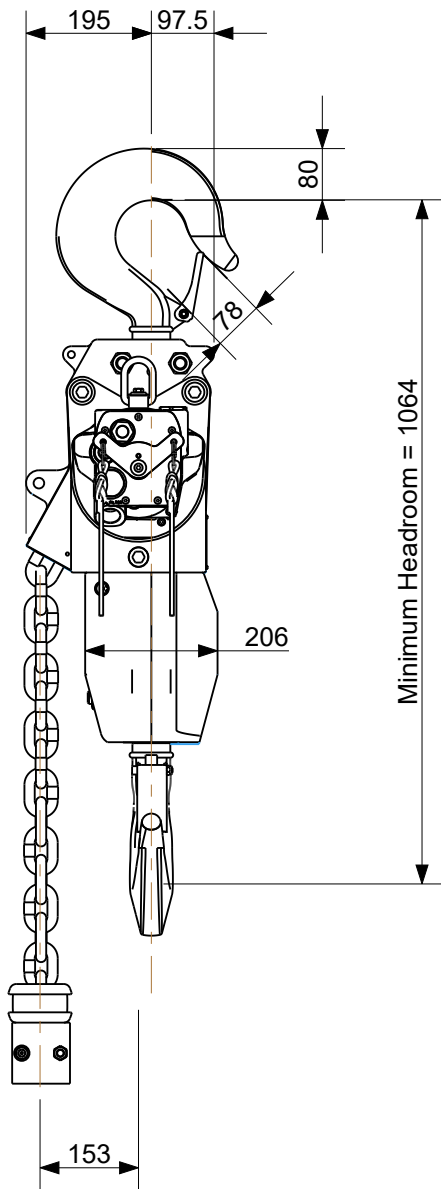
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LIFTCHAIN LC2A Xtrem Series
Air Chain Hoist
Model LC2A180TIX1C*M*-E
18 ton lifting capacity



IREP Drawing Number	Rev.
26-02-13	A
Customer Drawing Number	
Folio:	1 / 1
Engineering Manager Approval: AF	



STANDARD FEATURES:

- Rugged and compact modular design
- Design factor 5:1 on primary load components.
- Working temperature range -20°C +60°C
- Patented integrated air filter cartridge (stainless steel) and air lubrication system with adjustable flow and oil level sight glass
- Lifting lugs to facilitate handling and installation of the hoist
- Pull cord control with variable speed control valve, corrosion resistant, precise operation
- Overload protection device
- Heavy duty end stroke bumpers with superior shock absorption
- Shock resistant air exhaust muffler
- Driving mechanism classification FEM 1Bm (ISO M3)
- Explosion proof design – 100% duty rating.
- High torque gear type air motor with excellent starting characteristics for long service life.
- Automatic fail safe disc brake – no adjustment required.
- Zinc plated load chain for corrosion resistance (grade 80)
- Sound pressure level: 78 dBA.
- Each hoist is individually load tested before shipment.
- CE Marking – Compliance with the European Machinery Directive. "Dead man" pull cord control system included.
- Swivel top hook
- Built in ISO 9001 certified factory.

OPTIONAL FEATURES:

- External Air Regulator – option "J3"
 - Marine paint - option "P" 220 including sandblasting.
 - Offshore paint - option "QZ" 290 including sandblasting.
 - Spark resistant package for ATEX zone 1 - Option "T1"
 - Third party and/or customers witness test in factory - Option "W".
- *W1 for ABS / W2 for DNV / W3 for LRS / W4 for customer witness test.

Ex classifications (ATEX):

- Ambient Temperature : -20°C to +60°C
- Standard version is suitable for Zone 2
(ATEX Marking Gas: Ex II 3G Ex h IIB T4 Gc X).
(ATEX Marking Dust: Ex II 3D Ex h IIC T135°C Dc X).
 - Optional spark resistant package option T1 is suitable for Zone 1
(ATEX marking Gas: Ex II 2G Ex h IIB T4 Gb X).
(ATEX marking Dust: Ex II 2D Ex h IIC T135°C Db X).

Technical Specifications at 6.3 Bar (90 PSI)	
Model LC2A180TIX1C-E	
Rated Capacity (metric ton)	18
Falls of Chain	3
Lifting speed at rated load (m/min)	0.8
Lifting speed at no Load (m/min)	1.3
Lowering speed at rated Load (m/min)	1
Working pressure range (bar)	4 to 7
Air consumption at rated load (m3/min)	5
Minimum headroom (mm)	1064
Air Inlet (BSP)	1"
Chain Size (mm)	16x45
* Weight with Std lift (kg)	396
Chain Weight per meter of lift (kg)	17
*Net weight is given with lift of standard 10m and standard control length of 15m	