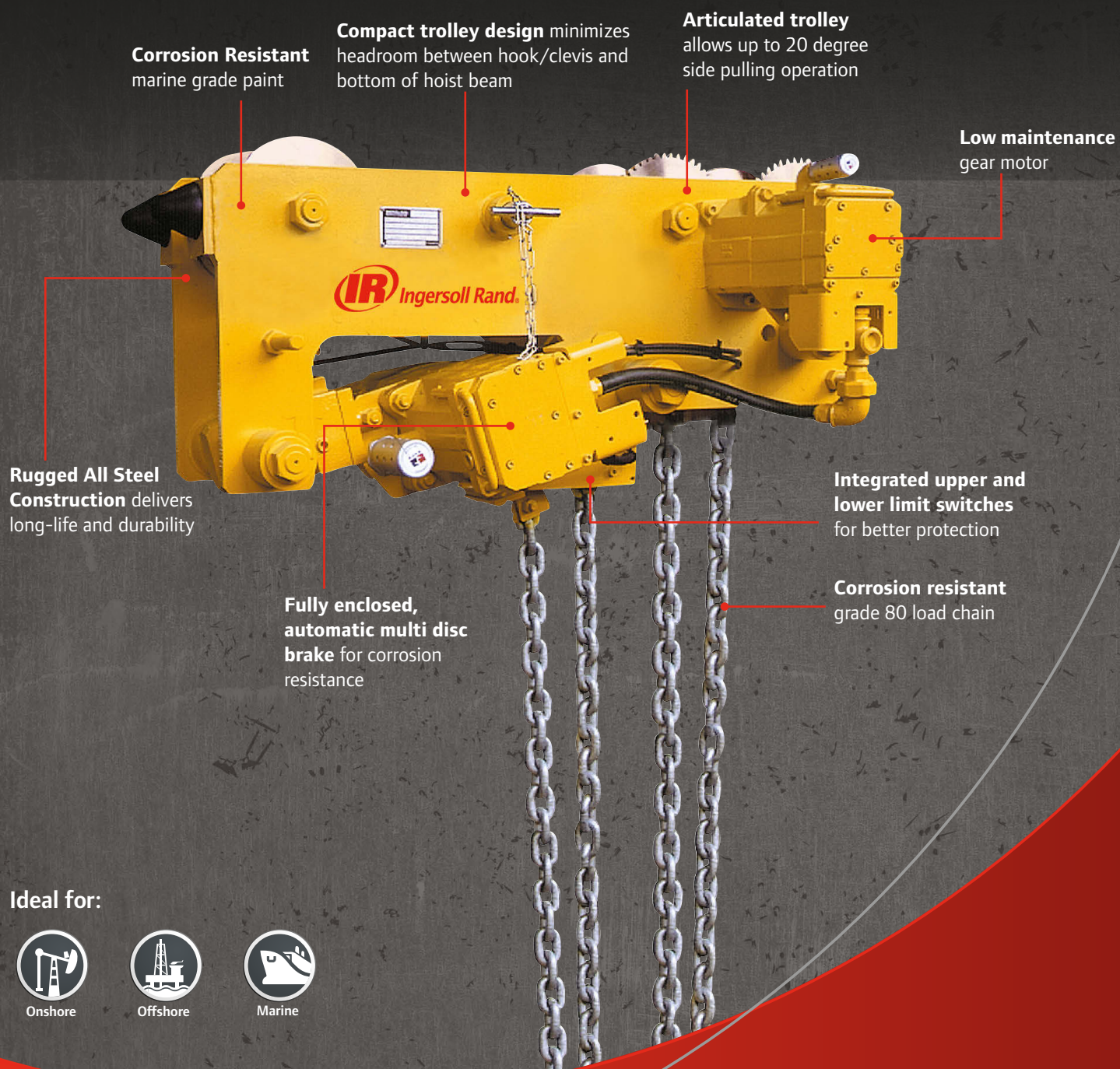




# Liftchain Low Profile Air Chain Hoist

1.5-100 ton



**Corrosion Resistant**  
marine grade paint

**Compact trolley design** minimizes  
headroom between hook/clevis and  
bottom of hoist beam

**Articulated trolley**  
allows up to 20 degree  
side pulling operation

**Low maintenance**  
gear motor

**Rugged All Steel**  
**Construction** delivers  
long-life and durability

**Fully enclosed,  
automatic multi disc  
brake** for corrosion  
resistance

**Integrated upper and  
lower limit switches**  
for better protection

**Corrosion resistant**  
grade 80 load chain

**Ideal for:**



Onshore



Offshore



Marine



# Liftchain Low Profile Air Chain Hoist

1.5-100 ton

Ingersoll Rand Liftchain Hoists are the most advanced heavy-lifting hoists in the Ingersoll Rand hoist line. They incorporate all the best features we've developed from our decades of experience into a compact, modular frame. The Low Headroom version helps you get the job done where space is restricted.

General Characteristics							
Model	Lifting Capacity Metric Tons	Reeves of Chain	Headroom mm (in)	Trolley Flange Adjustment Range mm (in)	Hoist Weight with 3m (10ft) of chain kg (lb)	Trolley Weight <sup>(1)</sup> kg (lb)	Weight per additional meter of lift kg (lb)
LC2A015SIL	1.5	1	275 (10.8)	81-310 (3.2-12.2)	38 (84)	82 (126)	1.5 (3.3)
LC2A030DIL	3	2	386 (15.2)	81-310 (3.2-12.2)	48 (106)	82 (121)	3 (6.6)
LC2A060QIL	6	4	465 (18.3)	120-310 (4.7-12.2)	74 (163)	176 (315)	6 (13.2)
LC2A060SIL	6	1	475 (18.7)	140-310 (5.5-12.2)	125 (276)	375 (313)	5.7 (12.6)
LC2A080DIL	8	2	590 (23.2)	120-310 (4.7-12.2)	118 (260)	182 (313)	7.6 (16.8)
LC2A120DIL	12	2	670 (26.4)	140-310 (5.5-12.2)	170 (375)	370 (401)	11.4 (25.1)
LC2A180TIL	18	3	730 (28.7)	210-310 (8.3-12.2)	277 (611)	413 (826)	17.1 (37.7)
LC2A250QIL	25	4	775 (30.5)	160-310 (6.3-12.2)	324 (714)	416 (829)	23 (50.7)

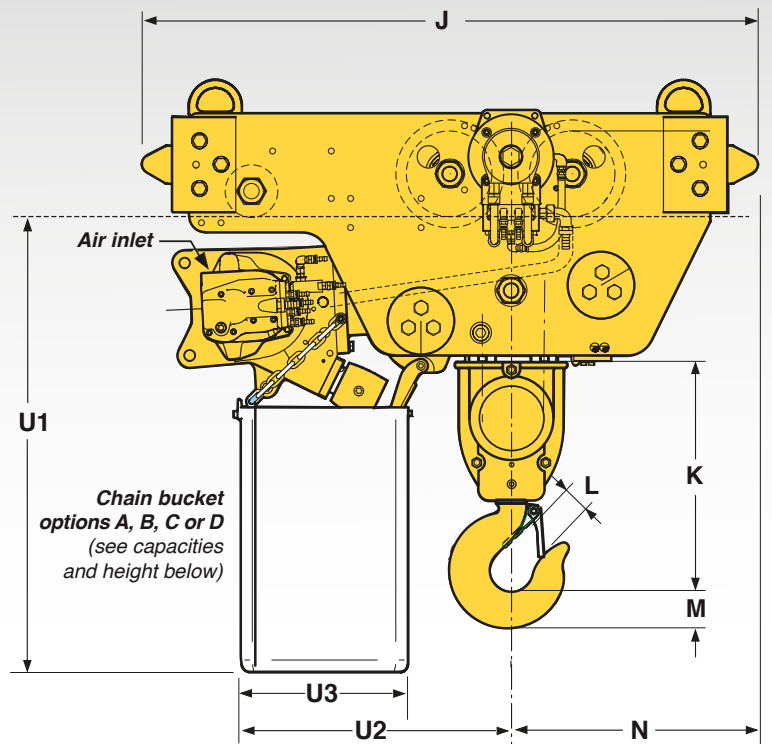
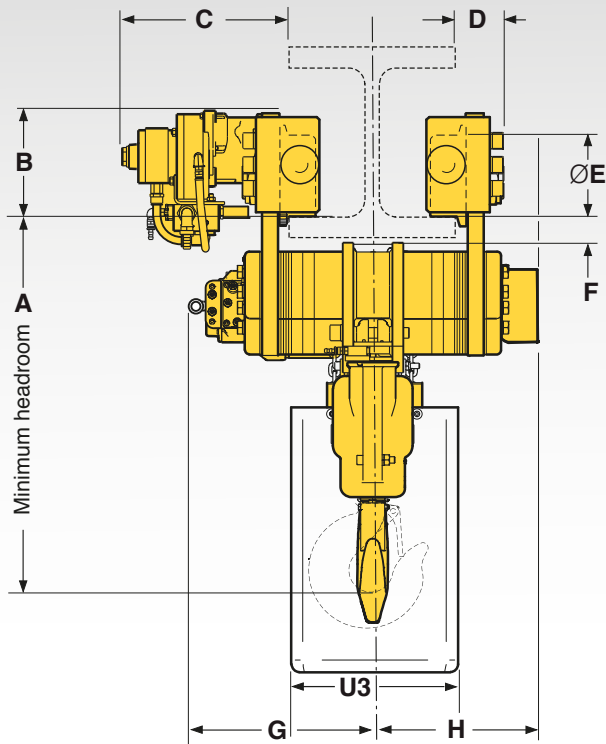
Performance						
Hoist Performance						
Model	Lifting Capacity Metric Tons	Lifting Speed			Required Air Flow m <sup>3</sup> /min (cfm)	Working Air Pressure bar (psi)
		Full Load m/min (fpm)	No Load m/min (fpm)	Lowering speed m/min (fpm)		
LC2A015SIL	1.5	6.2 (20.3)	11 (36.1)	8.5 (27.9)	4 (141)	6.3 (90)
LC2A030DIL	3	3 (9.8)	5.5 (18)	4 (13.1)	4 (141)	6.3 (90)
LC2A060QIL	6	1.5 (4.9)	2.5 (8.2)	2 (6.6)	4 (141)	6.3 (90)
LC2A060SIL	6	2.2 (7.2)	3.6 (11.8)	2.7 (8.9)	5.2 (184)	6.3 (90)
LC2A080DIL	8	1.8 (5.9)	3.5 (11.5)	2.2 (7.2)	4.4 (155)	6.3 (90)
LC2A120DIL	12	1.1 (3.6)	1.8 (5.9)	1.3 (4.3)	5 (177)	6.3 (90)
LC2A180TIL	18	0.7 (2.3)	1.2 (3.9)	0.9 (3)	5 (177)	6.3 (90)
LC2A250QIL	25	0.5 (1.6)	0.9 (3)	0.6 (2)	5 (177)	6.3 (90)

Performance					
Trolley Performance					
Model	Powered Trolley Traverse Speed <sup>(1)</sup> m/min (fpm)	Required Air Flow m <sup>3</sup> /min (cfm)	Working Air Pressure bar (psi)	Minimum Curve Radius m (ft)	Sound Level dbA
LC2A015SIL	21 (69)	1.3 (45.9)	6.3 (90)	2 (6.6)	78
LC2A030DIL	17 (56)	1.3 (45.9)	6.3 (90)	2 (6.6)	78
LC2A060QIL	15 (49)	1.3 (45.9)	6.3 (90)	3 (9.9)	78
LC2A060SIL	15 (49)	1.3 (45.9)	6.3 (90)	3 (9.9)	79
LC2A080DIL	12 (40)	1.3 (45.9)	6.3 (90)	3 (9.9)	76
LC2A120DIL	12 (40)	1.5 (53)	6.3 (90)	3 (9.9)	79
LC2A180TIL	15 (49)	1.9 (67.1)	6.3 (90)	5 (16.4)	79
LC2A250QIL	15 (49)	1.9 (67.1)	6.3 (90)	5 (16.4)	79

(1) In Rack & Pinion configuration, the trolley speed is divided by 2.

(2) Sound pressure levels are measured per European standard EN 14492-2

(3) Weight of low headroom hoist / trolley with standard height of lift (3 m) and standard length of control (2 m).

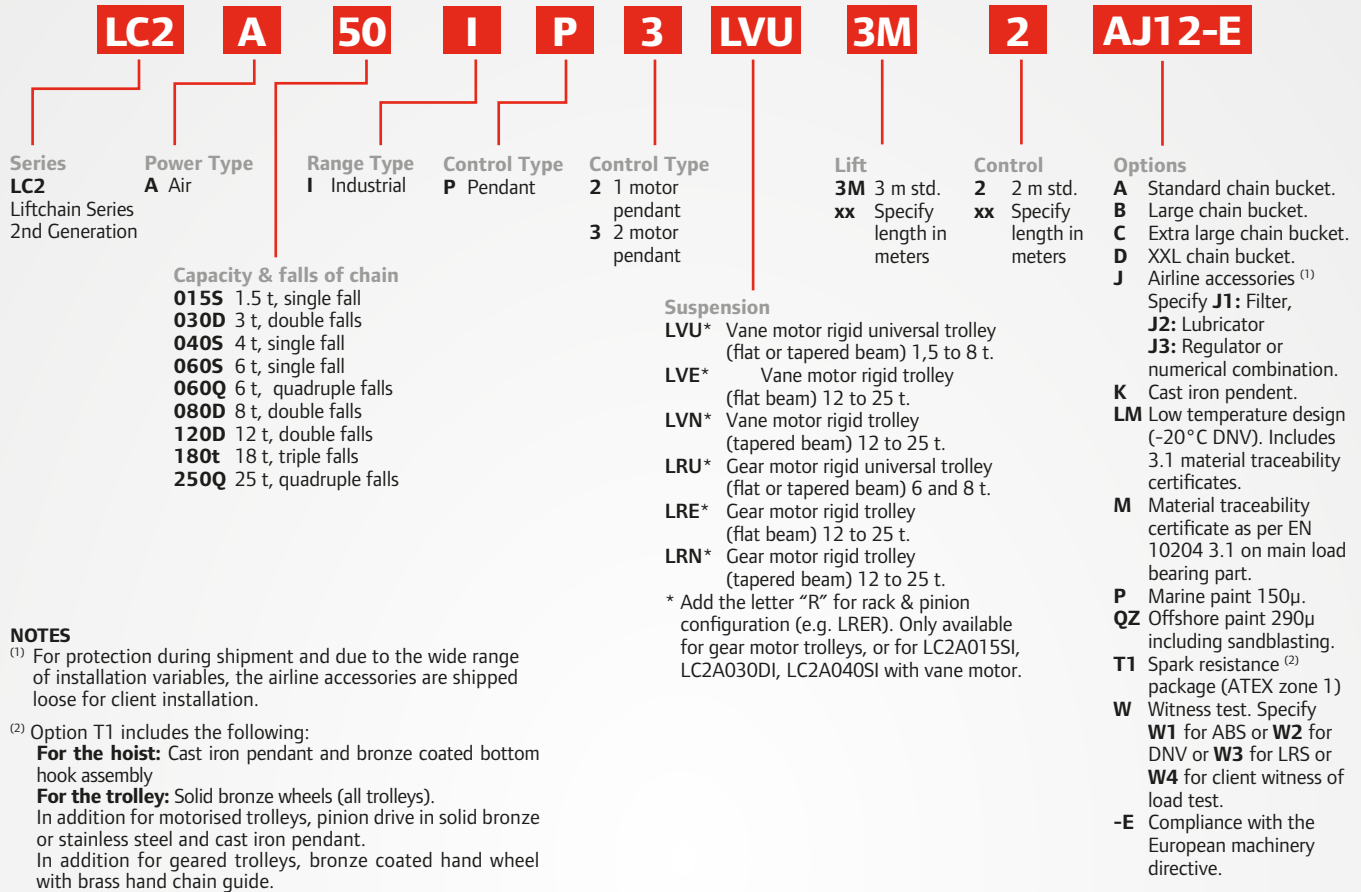


Dimensions mm (in)													
Model	A	B	C	D	E	F	G	H	J	K	L	M	N
LC2A060S	475 (18.7)	258 (10.2)	318 (12.5)	101 (4.0)	160 (6.3)	50 (2.0)	348 (13.7)	311 (12.2)	1,164 (45.8)	228 (9.0)	43 (1.7)	50 (2.0)	409 (16.1)
LC2A120D	638 (25.1)	258 (10.2)	318 (12.5)	101 (4.0)	160 (6.3)	50 (2.0)	348 (13.7)	311 (12.2)	1,164 (45.8)	424 (16.7)	58 (2.9)	67 (2.6)	466 (18.3)
LC2A180T	688 (27.1)	258 (10.2)	371 (14.6)	120 (4.7)	225 (8.9)	50 (2.0)	272 (10.7)	387 (15.2)	1,164 (45.8)	484 (19.1)	78 (3.1)	80 (3.2)	447 (17.6)
LC2A250Q	740 (29.1)	258 (10.2)	371 (14.6)	120 (4.7)	225 (8.9)	50 (2.0)	405 (16.0)	254 (10.0)	1,164 (45.8)	530 (20.9)	87 (3.4)	87 (3.4)	466 (18.3)

Chain Container Dimensions for 9m (30 ft) standard lift <sup>(1)</sup>			
Model	U1 mm (in)	U2 mm (in)	U3 mm (in)
LC2A060S	570 (22.4)	860 (33.9)	315 x 315 (12.4 x 12.4)
LC2A120D	600 (23.6)	1060 (41.7)	315 x 315 (12.4 x 12.4)
LC2A180T	615 (24.2)	1060 (41.7)	550 x 400 (21.7 x 15.7)
LC2A250Q	600 (23.6)	1060 (41.7)	550 x 400 (21.7 x 15.7)

<sup>(1)</sup> Chain containers are available with many other dimensions.  
Please contact your sales representative for details.

## How to Order



### NOTES

<sup>(1)</sup> For protection during shipment and due to the wide range of installation variables, the airline accessories are shipped loose for client installation.

<sup>(2)</sup> Option T1 includes the following:

**For the hoist:** Cast iron pendant and bronze coated bottom hook assembly

**For the trolley:** Solid bronze wheels (all trolleys).

In addition for motorised trolleys, pinion drive in solid bronze or stainless steel and cast iron pendant.

In addition for geared trolleys, bronze coated hand wheel with brass hand chain guide.



For More Information [www.ingersollrandproducts.com/lifting](http://www.ingersollrandproducts.com/lifting) [lifting@irco.com](mailto:lifting@irco.com)

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