

# Liftchain® Series Air Chain Hoists

## 1.5 - 100 t Load Capacity

### "Miner" Series

The Mining models are designed for the heavy duty conditions found in the underground mining and tunneling industries.

Their construction is based on the standard LC2A models.

#### Main differences compared to the standard LC2A models:

- Suitable to operate at 4 bar.
- Top hook mounted on chain links for increased flexibility. 1 extra bottom hook (optional) for alternate pulling operation.
- Top and bottom limit switches through resistant buffer stops which comes against the hoist central part.
- Cast iron pendent control.

LC2A080DSMP2C



**Specifications** at 4 and 6.3 bar dynamic pressure (when hoist is running) — Working pressure 4 to 7 bar.

**As per European standard EN range 14492-2** – Group of mechanism as per FEM 1Bm / ISO M3.

Model number	Number of load hooks	Rated capacity on each hook (t)	Min. headroom (mm)	PERFORMANCES AT 4 BAR (58 PSI)			PERFORMANCES AT 6.3 bar (90 PSI)		
				Pulling speed at rated load (m/min)	Speed no load (m/min)	Air cons. at rated load (m <sup>3</sup> /min)	Pulling speed at rated load (m/min)	Speed no load (m/min)	Air cons. at rated load (m <sup>3</sup> /min)
<b>LC2A Mining Series</b>									
LC2A015SM	1	1.5 (simple hook)	608	3.2	9	2.2	6.2	11	4.0
LC2A015SSM	2	1.5 (simple hook) 1.5 (simple hook)	608 608	3.2 3.2	9 9	2.2	6.2 6.2	11 11	4.0
LC2A030DM	1	3 (double hook)	675	1.5	4.5	2.2	3	5.5	4.0
LC2A030DSM	2	1.5 (simple hook) 3 (double hook)	608 675	3.2 1.5	9 4.5	2.2	6.2 3	11 5.5	4.0
LC2A040SM	1	4 (simple hook)	757	1.7	4	3.0	3.9	7	4.5
LC2A040SSM	2	4 (simple hook) 4 (simple hook)	757 757	1.7 1.7	4 4	3.0	3.9 3.9	7 7	4.5
LC2A060SM	1	6 (simple hook)	952	1.4	2	2.5	2.2	3.6	5.2
LC2A060SSM	2	6 (simple hook) 6 (simple hook)	952 952	1.4 1.4	2 2	2.5	2.2 2.2	3.6 3.6	5.2
LC2A080DM	1	8 (double hook)	940	0.9	2	3.0	1.8	3.5	4.5
LC2A080DSM	2	4 (simple hook) 8 (double hook)	757 940	1.7 0.9	4 2	3.0	3.9 1.8	7 3.5	4.5
LC2A120DM	1	12 (double hook)	1148	0.7	1	2.5	1.1	1.8	5.2
LC2A120DSM	2	6 (simple hook) 12 (double hook)	952 1148	1.4 0.7	2 1	2.5	2.2 1.1	3.6 1.8	5.2

Model number	Sound level (1) (dbA)	Hoist weight (2) (kg)	Chain size (mm)	Chain weight/1m extra lift (kg)
LC2A015SM	79	41	8 x 24	1.4
LC2A015SSM	79	42	8 x 24	1.4
LC2A030DM	79	48	8 x 24	2.8
LC2A030DSM	79	50	8 x 24	2.8
LC2A040SM	76	90	13 x 36	3.8
LC2A040SSM	76	92	13 x 36	3.8
LC2A060SM	79	125	16 x 45	5.7
LC2A060SSM	79	127	16 x 45	5.7
LC2A080DM	76	118	13 x 36	7.6
LC2A080DSM	76	120	13 x 36	7.6
LC2A120DM	79	171	16 x 45	11.4
LC2A120DSM	79	179	16 x 45	11.4

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

(2) Weight measured with standard height of lift (3 m) and standard length of control (2 m).

**Note:** It is strongly recommended to use a lubricating and a filtration system on the compressed airline. The compressed air temperature must not exceed 65°C at the motor air inlet.

For higher temperature, please consult us.

See dimensions on page 46.