



# JDN ULTRA-LOW MONORAIL HOISTS

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CAPACITIES:  
1 T UP TO 100 T  
AIR PRESSURE: 6 BAR

Where loads have to be lifted and transported in extremely reduced spaces the **JDN Ultra-Low Monorail Hoists** provide the ideal solution. For example the Ultra-Low Monorail Hoist with a load capacity of 6 t has a headroom of only 230 mm.

## STANDARD FEATURES

- Ideally suited for working in hazardous areas (explosion risk)
- Insensitive to humidity, dust and temperatures from -20°C up to +70°C
- Extremely low headroom
- Low air consumption
- Available with increased spark protection

## TECHNICAL DATA

Type		UH 1	UH 2	UH 4	UH 6	UH 8	UH 12	UH 16	UH 25
Capacity	mt	1	2	4	6	8	12	16	25
Air pressure	psi bar	85 6	85 6	85 6	85 6	85 6	85 6	85 6	85 6
Number of chain strands		2 x 1	2 x 2	2	2	4	4	4	-
Motor output	kW	1	1	2.5	2.5	2.5	2.5	2.5	6.3
Lifting speed at full load	ft/min m/min	16.4 5	8.2 2.5	9.8 3	6.6 2	4.6 1.4	3 0.9	2.1 0.65	4.3 1.3
Lifting speed without load	ft/min m/min	32.8 10	16.4 5	19.7 6	14.8 4.5	9.5 2.9	7.2 2.2	3.9 1.2	8.2 2.5
Lowering speed at full load	ft/min m/min	32.8 10	16.4 5	24.6 7.5	17.1 5.2	11.8 3.6	8.2 2.5	4.9 1.5	8.2 2.5
Air consumption at full load – lifting	cfm m <sup>3</sup> /min	42.3 1.2	42.3 1.2	141.3 4	141.3 4	141.3 4	141.3 4	141.3 4	229.7 6.5
Air consumption at full load – lowering	cfm m <sup>3</sup> /min	53 1.5	53 1.5	194.3 5.5	194.3 5.5	194.3 5.5	194.3 5.5	194.3 5.5	102.5 2.9
Air connection		G ½	G ½	G ¾	G ¾	G ¾	G ¾	G ¾	G 1 ½
Hose dimension (Ø inside)	inch mm	½ 13	½ 13	¾ 19	¾ 19	¾ 19	¾ 19	¾ 19	1 ½ 35
Weight with standard lift	lbs kg	min. 364* max. 165*	max. 452* max. 205*	1014 460	1036 470	1190 540	1213 550	1235 560	3307 1500
Chain dimension	mm	7 x 21	7 x 21	13 x 36	13 x 36	13 x 36	13 x 36	13 x 36	16 x 45
Weight of chain	lbs/ft kg/m	0.67 1.0	0.67 1.0	2.6 3.8	2.6 3.8	2.6 3.8	2.6 3.8	2.6 3.8	3.9 5.8
Standard lift	ft m	10 3	10 3	10 3	10 3	10 3	10 3	10 3	10 3
Length of control at standard lift	ft m	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2
Noise level at full load <sup>1</sup> – lifting	dB(A)	76	76	78	78	78	78	78	80
Noise level at full load <sup>1</sup> – lowering	dB(A)	78	78	80	80	80	80	80	84

<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20  
Group mechanism: M3 (1 Bm)  
Technical data for higher capacities on request.

\*Depending on beam width



UH 100

# DIMENSIONS

Type		UH 1	UH 2	UH 4	UH 6	UH 8	UH 12	UH 16	UH 25
A	inch	5.7	5.7	7.68	12.01	7.68	12.01	12.01	15.04
	mm	145	145	195	305	195	305	305	382
B	inch	11.3-18.3	11.3-18.3	7.87	7.87	7.87	7.87	7.87	9.06
	mm	286-466	286-466	200	200	200	200	200	230
b	inch	3-12.2	3-12.2	-	-	-	-	-	10.83-14
	mm	76-310	76-310	-	-	-	-	-	275-355
C	inch	5.98	5.98	11.16	11.16	11.16	11.16	11.16	11.81
	mm	152	152	284	284	284	284	284	300
D	inch	2.76	2.76	6.50	6.50	6.50	6.50	6.50	9.84
	mm	70	70	165	165	165	165	165	250
E	inch	4.57	4.57	9.29	9.29	9.29	9.29	9.29	13.39
	mm	116	116	236	236	236	236	236	340
F	inch	12.48	13.58	12.99	12.99	11.14	11.14	11.14	14.96
	mm	317	345	330	330	283	283	283	380
G	inch	4.29	4.29	7.78	7.78	7.78	7.78	7.78	11.1
	mm	109	109	197.5	197.5	197.5	197.5	197.5	282
H	inch	6.85-7.2	7.1-7.56	-	-	-	-	-	18.5
	mm	174-183	180-192	-	-	-	-	-	470
H min. 150 ≤ b ≤ 310	inch	-	-	9.06	9.06	-	-	-	-
	mm	-	-	230	230	-	-	-	-
H min. 150 ≤ b ≤ 230	inch	-	-	-	-	11.61	11.61	13.15	-
	mm	-	-	-	-	295	295	334	-
H min. 230 ≤ b ≤ 310	inch	-	-	-	-	10.87	10.87	12.40	-
	mm	-	-	-	-	276	276	315	-
J	inch	11.57	11.57	15.75	15.75	15.75	15.75	15.75	25.08
	mm	294	294	400	400	400	400	400	637
K	inch	11.57	11.57	21.06	21.06	21.06	21.06	21.06	33.86
	mm	294	294	535	535	535	535	535	860
L	inch	33.94	33.94	39.37	39.37	39.37	39.37	39.37	53.15
	mm	862	862	1000	1000	1000	1000	1000	1350
M	inch	11	11	1.57	1.57	1.73	1.73	2.09	2.76
	mm	28	28	40	40	44	44	53	70
N	inch	1.61	1.61	2.01	2.01	2.60	2.60	3.23	3.15
	mm	41	41	51	51	66	66	82	80
t max.	inch	0.98	0.98	1.57	1.57	1.57	1.57	1.57	3.54
	mm	25	25	40	40	40	40	40	90

Dimensions for higher capacities on request.

