JDN ULTRA-LOW MONORAIL HOISTS

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J·D·NEUHAUS

1745

275 years of excellence

JDN ULTRA-LOW MONORAIL HOISTS

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

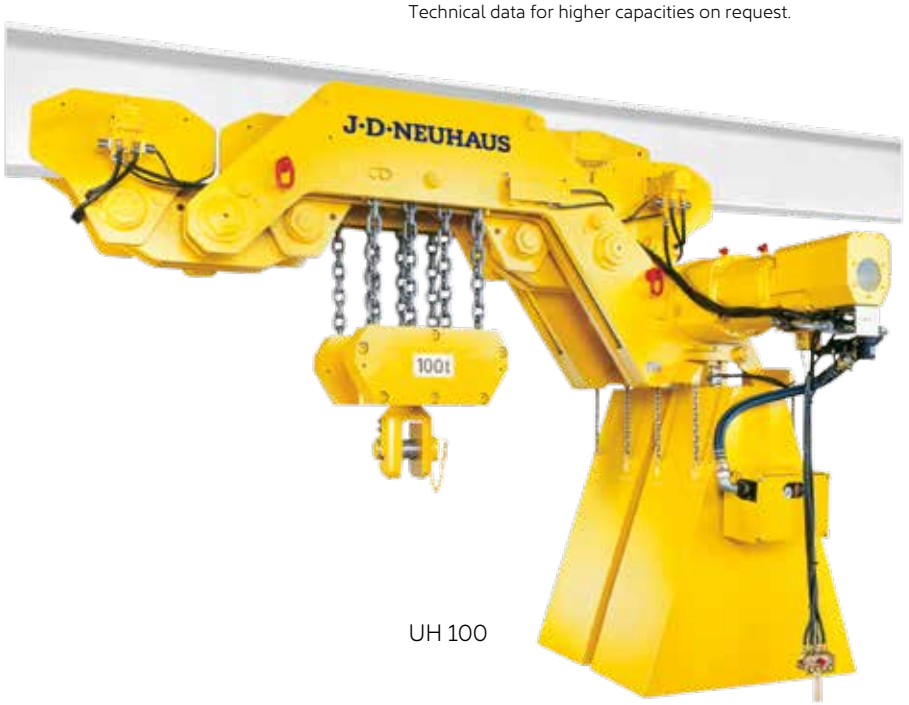
- Ideally suited for working in hazardous areas (explosion risk)
- Insensitive to humidity, dust and temperatures from -20°C up to +70°C
- Extremely low headroom
- Low air consumption
- Available with increased spark protection

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^3/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^3/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	3/4 19	3/4 19	3/4 19	3/4 19	3/4 19	1 ½ 35
Weight with standard lift	lbs kg	min. 364* 165*	max. 452* 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[1] – lifting	dB(A)	76	76	78	78	78	78	78	80
Noise level at full load[1] – lowering	dB(A)	78	78	80	80	80	80	80	84

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

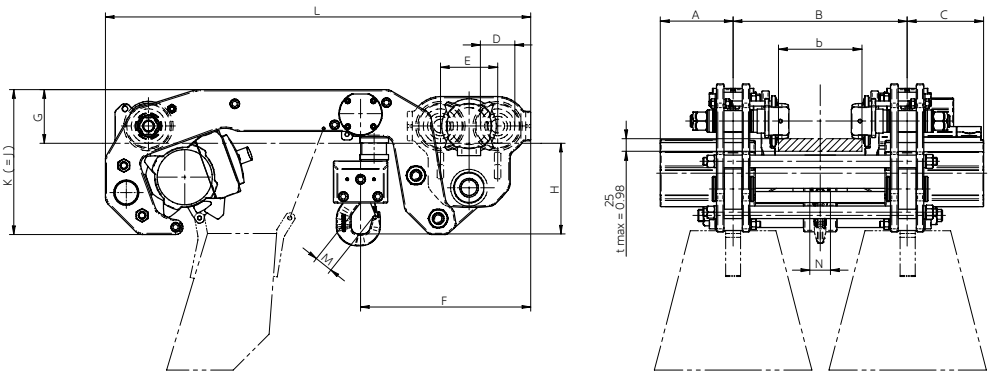
*Depending on beam width



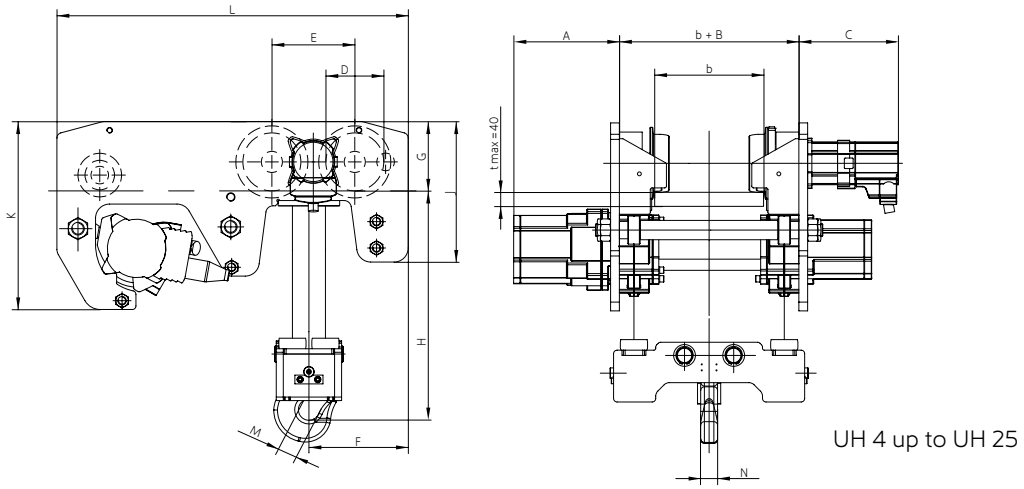
UH 100

Type		UH 1	UH 2	UH 4	UH 6	UH 8	UH 12	UH 16	UH 25
A	inch mm	5.7 145	5.7 145	7.68 195	12.01 305	7.68 195	12.01 305	12.01 305	15.04 382
B	inch mm	11.3-18.3 286-466	11.3-18.3 286-466	7.87 200	7.87 200	7.87 200	7.87 200	7.87 200	9.06 230
b	inch mm	3-12.2 76-310	3-12.2 76-310	– –	– –	– –		– –	10.83-14 275-355
C	inch mm	5.98 152	5.98 152	11.16 284	11.16 284	11.16 284	11.16 284	11.16 284	11.81 300
D	inch mm	2.76 70	2.76 70	6.50 165	6.50 165	6.50 165	6.50 165	6.50 165	9.84 250
E	inch mm	4.57 116	4.57 116	9.29 236	9.29 236	9.29 236	9.29 236	9.29 236	13.39 340
F	inch mm	12.48 317	13.58 345	12.99 330	12.99 330	11.14 283	11.14 283	11.14 283	14.96 380
G	inch mm	4.29 109	4.29 109	7.78 197.5	7.78 197.5	7.78 197.5	7.78 197.5	7.78 197.5	11.1 282
H	inch mm	6.85-7.2	7.1-7.56 180-192	– –	– –	– –	– –	– –	18.5 470
H min. 150 < = b < = 310	inch mm	174-183	–	9.06 230	9.06 230	– –	– –	– –	– –
H min. 150 < = b < = 230	inch mm	– –	–	= =	= =	11.61 295	11.61 295	13.15 334	–
H min. 230 < = b < = 310	inch mm	–	–	– –	– –	10.87 276	10.87 276	12.40 315	–
J	inch mm	11.57 294	11.57 294	15.75 400	15.75 400	15.75 400	15.75 400	15.75 400	25.08 637
K	inch mm	11.57 294	11.57 294	21.06 535	21.06 535	21.06 535	21.06 535	21.06 535	33.86 860
L	inch mm	33.94 862	33.94 862	39.37 1000	39.37 1000	39.37 1000	39.37 1000	39.37 1000	53.15 1350
M	inch mm	1.1 28	1.1 28	1.57 40	1.57 40	1.73 44	1.73 44	2.09 53	2.76 70
N	inch mm	1.61 41	1.61 41	2.01 51	2.01 51	2.60 66	2.60 66	3.23 82	3.15 80
t max.	inch mm	0.98 25	0.98 25	1.57 40	1.57 40	1.57 40	1.57 40	1.57 40	3.54 90

Dimensions for higher capacities on request.



UH 1 and UH 2



UH 4 up to UH 25

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