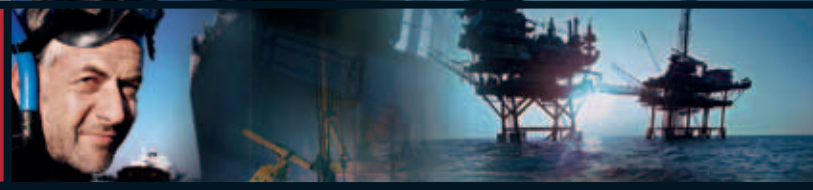


JDN HYDRAULIC HOISTS



J.D. NEUHAUS
powered by air!

JDN HYDRAULIC HOISTS AND MONORAIL HOISTS



Hydraulic Hoists PROFI / Hydraulic Monorail Hoists Carrying capacities: up to 100 t

JDN Hydraulic Hoists and Hydraulic Monorail Hoists are available with carrying capacities from 3 t up to 100 t. Depending on motor size these hoists work with an intake pressure of 100 bar up to 180 bar. Pressure fluid: Oil.

Advantages

- Ideally suited for working in hazardous areas (explosion risk)
- Extremely low noise emissions
- Fully enclosed highly robust gear motor
- Integrated overload protection
- Only two supply connections at hoist "P" and "T", leakage oil drained internally
- The drive is hermetically sealed off from the environment



PROFI 6 TI-H



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Hydraulic Hoists PROFI 3 TI-H - 20 TI-H

Technical Data

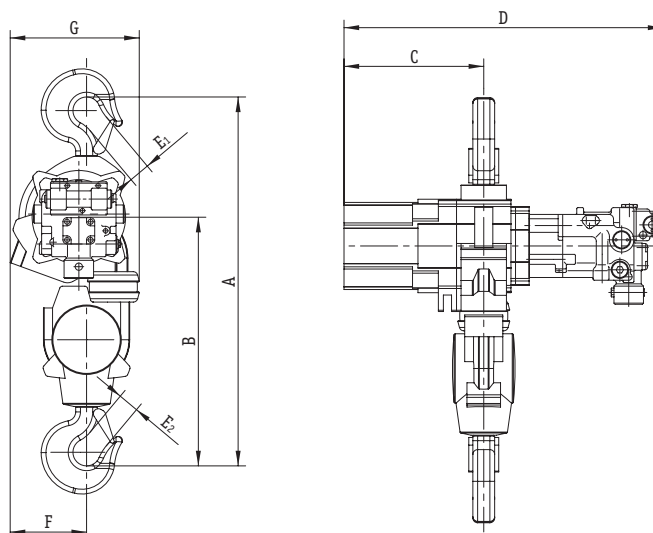
Type		3 TI-H	6 TI-H	10 TI-H	16 TI-H	20 TI-H
Carrying capacity	mt	3.2	6.3	10	16	20
Number of chain strands		1	2	2	3	4
Motortype		KM 1/16	KM 1/16	KM 1/16	KM 1/16	KM 1/16
Motor output	kW	3.5	3.5	3.5	3.5	3.5
Intake pressure	PSI / bar	1885 / 130	1885 / 130	1885 / 130	1885 / 130	1885 / 130
Intake volume	cfm	1.7	1.7	1.7	1.7	1.7
	l/min	48	48	48	48	48
Lifting speed at full load	ft/min	13.1	6.6	5.6	3.6	2.6
	m/min	4.0	2.0	1.7	1.1	0.8
Lifting speed without load	ft/min	14.8	7.6	6.6	4.3	3
	m/min	4.5	2.3	2.0	1.3	0.9
Lowering speed at full load	ft/min	14.8	7.6	6.9	4.9	3.3
	m/min	4.5	2.3	2.1	1.5	1.0
Lowering speed without load	ft/min	14.8	7.6	6.7	4.3	3
	m/min	4.5	2.3	2.0	1.3	0.9
Connection		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Hose dimension		DN 12	DN 12	DN 12	DN 12	DN 12
Weight at standard lift with control	lbs / kg	198.4 / 90	251.3 / 114	352.7 / 160	538.0 / 244	637.1 / 289
Chain dimension	mm	13 x 36	13 x 36	16 x 45	16 x 45	16 x 45
Weight of chain	lbs/ft	2.6	2.6	3.9	3.9	3.9
	kg/m	3.8	3.8	5.8	5.8	5.8
Standard lift	ft	10	10	10	10	10
	m	3	3	3	3	3
Length of control at standard lift	ft	6.5	6.5	6.5	6.5	6.5
	m	2	2	2	2	2

Group mechanism: M3 (1 Bm)

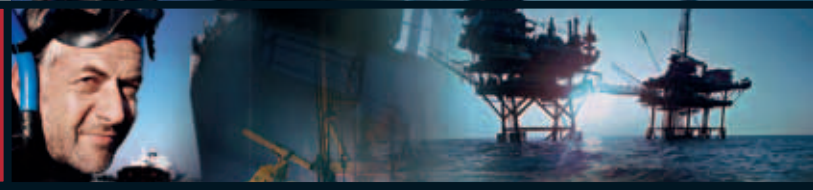
Dimensions

Type		3 TI-H	6 TI-H	10 TI-H	16 TI-H	20 TI-H
A smallest headroom ¹	inch / mm	23.4 / 593	26.5 / 674	32 / 813	35.4 / 898	40.6 / 1030
B	inch / mm	14.7 / 373	17.9 / 454	21.6 / 548	23.5 / 598	26.4 / 670
C	inch / mm	9.2 / 233	9.2 / 233	12.2 / 308	15 / 382	15 / 382
D	inch / mm	22.8 / 578	22.8 / 578	26.4 / 670	31 / 787	31 / 787
E ₁	inch / mm	1.6 / 40	1.6 / 40	1.8 / 44	2.1 / 53	3 / 75
E ₂	inch / mm	1.2 / 30	1.6 / 40	1.8 / 44	2.1 / 53	3 / 75
F	inch / mm	7.4 / 187	6.1 / 154	7.8 / 197	7.8 / 199	7.1 / 180

¹ Chain containers increase the hoist headroom



JDN HYDRAULIC HOISTS AND MONORAIL HOISTS



Hydraulic Hoists PROFI 25 TI-H – 100 TI-H

Technical Data

Type		25 TI-H	37 TI-H	50 TI-H	100 TI-H
Capacity	mt	25	37.5	50	100
Number of chain strands		2	3	4	4
Motor output	kW	6	6	6	10
Motor type		KM 2/32	KM 2/32	KM2/32	KM2/32
Intake pressure	PSI	2176	2176	2176	2611
	bar	150	150	150	180
Intake volume	cfm	2.8	2.8	2.8	2.8
	l/min	80	80	80	80
Lifting speed at rated load	ft/min	3.6	2.3	1.6	1.8
	m/min	1.1	0.7	0.5	0.55
Lifting speed without load	ft/min	3.9	2.6	1.6	1.8
	m/min	1.2	0.8	0.5	0.55
Lowering speed at rated load	ft/min	3.9	2.6	1.6	2.0
	m/min	1.2	0.8	0.5	0.63
Lowering speed without load	ft/min	3.9	2.6	1.6	1.6
	m/min	1.2	0.8	0.5	0.5
Connection		G 3/4	G 3/4	G 3/4	G 3/4
Hose dimension		DN 16	DN 16	DN 16	DN 16
Weight with standard lift and control	lbs	1282	2123	2068	5412
	kg	583	965	940	2460
Chain dimension	mm	23.5 x 66	23.5 x 66	23.5 x 66	32 x 90
Weight of chain	lbs/ft	8.2	8.2	8.2	14.3
	kg/m	12.2	12.2	12.2	21.3
Standard lift	ft	10	10	10	10
	m	3	3	3	3
Length of control with standard lift	ft	6.5	6.5	6.5	6.5
	m	2	2	2	2

Group mechanism: PROFI 25 TI-H – PROFI 50 TI-H M3 (1 Bm), PROFI 100 TI-H M2 (1 Cm)

Dimensions

Type		25 TI-H	37 TI-H	50 TI-H	100 TI-H
A smallest headroom ¹	inch	50.5	57.7	66.9	86.6
	mm	1282	1466	1700	2200
B	inch	37.3	36.8	45	58.1
	mm	948	935	1144	1475
C	inch	15.5	14.8	17.4	27.8
	mm	393	377	442	705
D	inch	42.1	40.8	48.6	55.8
	mm	1069	1037	1235	1417
E ₁	inch	3	3.9	3.9	4.2
	mm	75	100	100	120
E ₂	inch	3	3.9	3.9	4.2
	mm	75	100	100	120
F	inch	18.4	20.4	12.2	17.3
	mm	466	518	310	440
G	inch	24	29.3	21.2	30.2
	mm	610	745	539	767

¹ Chain containers increase the hoist headroom

