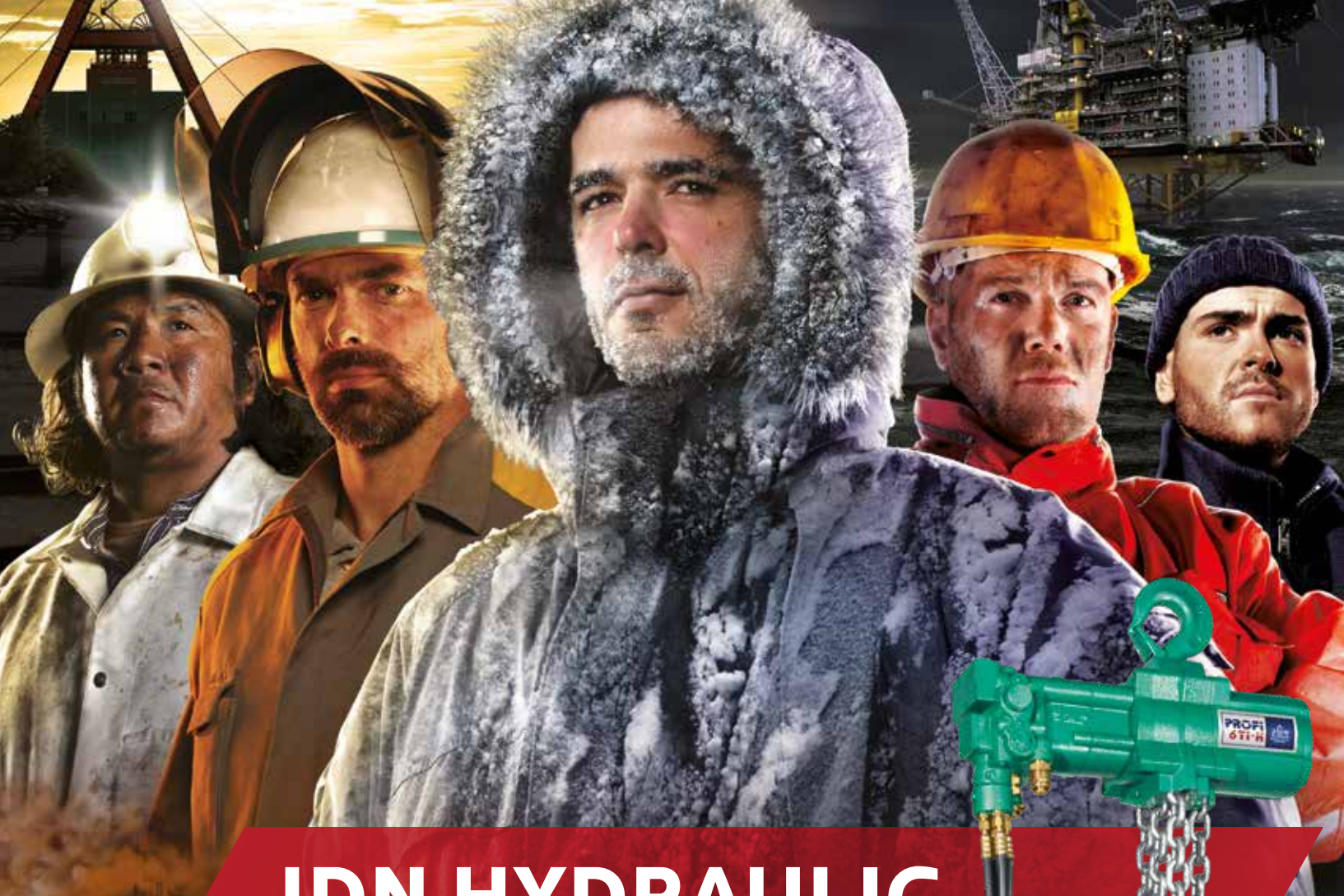




JDN HYDRAULIC HOISTS AND MONORAIL HOISTS



HYDRAULIC HOISTS PROFI / HYDRAULIC MONORAIL HOISTS CAPACITIES: 3 T UP TO 100 T

JDN Hydraulic Hoists and Hydraulic Monorail Hoists are available with capacities from 3 t up to 100 t. Depending on motor size these hoists work with an intake pressure of 130 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

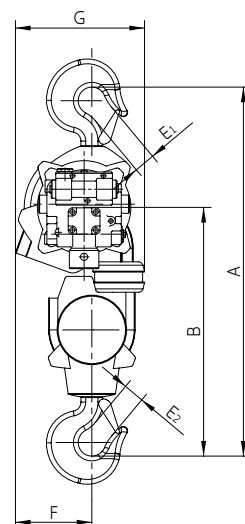


PROFI 6 TI-H

HYDRAULIC HOISTS PROFI 3 TI-H UP TO 20 TI-H

TECHNICAL DATA

Type		3 TI-H	6 TI-H	10 TI-H	16 TI-H	20 TI-H
Capacity	mt	3.2	6.3	10	16	20
Intake pressure	psi bar	1885 130	1885 130	1885 130	1885 130	1885 130
Intake volume	cfm l/min	1.7 48	1.7 48	1.7 48	1.7 48	1.7 48
Number of chain strands		1	2	2	3	4
Motor output	kW	3.5	3.5	3.5	3.5	3.5
Motortype		KM 1/16	KM 1/16	KM 1/16	KM 1/16	KM 1/16
Lifting speed at full load	ft/min m/min	13.1 4.0	6.6 2.0	3.9 1.2	2.6 0.8	2.0 0.6
Lifting speed without load	ft/min m/min	14.8 4.5	7.6 2.3	4.1 1.25	2.7 0.82	2.0 0.6
Lowering speed at full load	ft/min m/min	14.8 4.5	7.6 2.3	4.3 1.3	2.8 0.85	2.1 0.65
Lowering speed without load	ft/min m/min	14.8 4.5	7.6 2.3	4.3 1.3	2.8 0.85	2.1 0.65
Connection		G ½	G ½	G ½	G ½	G ½
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 kg/m	2.6 3.8	2.6 3.8	3.9 5.8	3.9 5.8	3.9 5.8
Standard lift	ft m	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

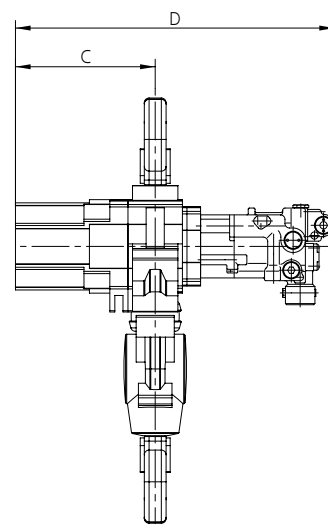


Group mechanism: M3 (1 Bm)

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
E1	inch / mm	1.6 / 40	1.6 / 40	1.8 / 44	2.1 / 53	2.8 / 70
E2	inch / mm	1.2 / 30	1.6 / 40	1.8 / 44	2.1 / 53	2.8 / 70
F	inch / mm	7.4 / 187	6.1 / 154	7.8 / 197	7.8 / 199	7.1 / 180

¹Chain containers increase the hoist headroom



JDN HYDRAULIC HOISTS AND MONORAIL HOISTS

HYDRAULIC HOISTS PROFI 25 TI-H UP TO 100 TI-H

TECHNICAL DATA

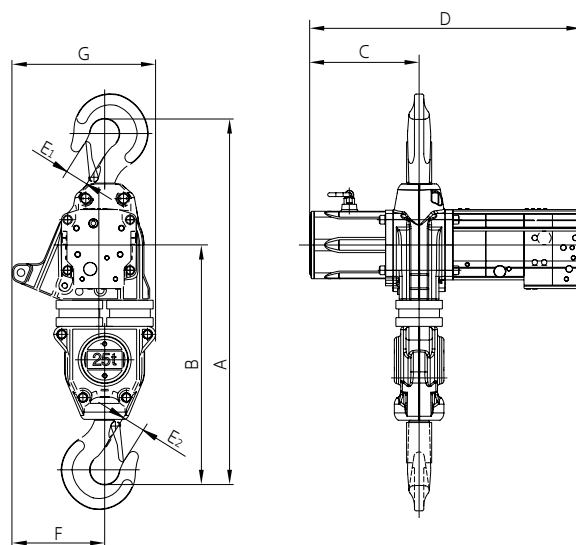
Type		25 TI-H	37 TI-H	50 TI-H	75 TI-H	100 TI-H
Capacity	mt	25	37.5	50	75	100
Intake pressure	psi bar	2176 150	2176 150	2176 150	2611 180	2611 180
Intake volume	cfm l/min	2.8 80	2.8 80	2.8 80	3.0 85	3.0 85
Number of chain strands		2	3	4	3	4
Motor output	kW	6	6	6	9	9
Motor type		KM 2/32	KM 2/32	KM2/32	KM2/32	KM2/32
Lifting speed at full load	ft/min m/min	3.6 11	2.3 0.7	1.6 0.5	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	3.9 12	2.6 0.8	1.6 0.5	2.0 0.6	1.5 0.45
Lowering speed at full load	ft/min m/min	3.9 12	2.6 0.8	1.6 0.5	2.0 0.6	1.5 0.45
Lowering speed without load	ft/min m/min	3.9 12	2.6 0.8	1.6 0.5	2.0 0.6	1.5 0.45
Connection		G ¾	G ¾	G ¾	G ¾	G ¾
Hose dimension		DN 16	DN 16	DN 16	DN 16	DN 16
Weight with standard lift and control	lbs kg	1282 583	2123 965	2068 940	4079 1850	4519 2050
Chain dimension	mm	23.5 x 66	23.5 x 66	23.5 x 66	32 x 90	32 x 90
Weight of chain	lbs/ft kg/m	8.2 12.2	8.2 12.2	8.2 12.2	14.3 21.3	14.3 21.3
Standard lift	ft m	10 3	10 3	10 3	10 3	10 3
Length of control with standard lift	ft m	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2

Group mechanism: PROFI 25 TI-H – PROFI 100 TI-H M3 (1 Bm)

DIMENSIONS

Type		25 TI-H	37 TI-H	50 TI-H	75 TI-H	100 TI-H
A smallest headroom ¹	inch mm	50.5 1282	57.7 1466	66.9 1700	76.0 1930	76.0 1930
B	inch mm	37.3 948	36.8 935	45 1144	49.2 1250	49.2 1250
C	inch mm	15.5 393	14.8 377	17.4 442	32.5 825	32.5 825
D	inch mm	42.1 1069	40.8 1037	48.6 1235	64.4 1635	64.4 1635
E ₁	inch mm	2.8 70	3.9 100	3.9 100	4.7 120	4.7 120
E ₂	inch mm	2.8 70	3.9 100	3.9 100	4.7 120	4.7 120
F	inch mm	18.4 466	20.4 518	12.2 310	15.9 405	14.4 365
G	inch mm	24 610	29.3 745	21.2 539	23.6 600	23.6 600

¹Chain containers increase the hoist headroom



HYDRAULIC MONORAIL HOISTS EH 20-H UP TO EH 100-H

TECHNICAL DATA

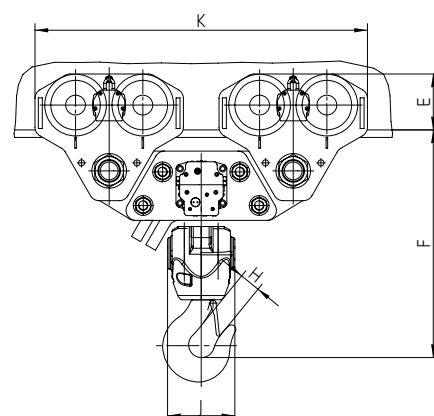
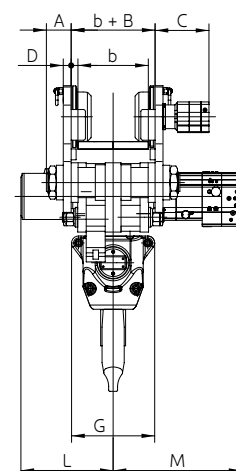
Type		EH 20-H	EH 25-H	EH 37-H	EH 50-H	EH 75-H	EH 100-H
Capacity	mt	20	25	37.5	50	75	100
Intake pressure	psi bar	1885 130	2176 150	2176 150	2176 150	2611 180	2611 180
Intake volume	cfm l/min	1.7 48	2.8 80	2.8 80	2.8 80	3 85	3 85
Number of chain strands		4	2	3	4	3	4
Motor output – Trolley	kW	0.7	1.4	1.4	1.4	2.8	2.8
Motor output – Hoist	kW	3.5	6	6	6	9	9
Motor type – Trolley		KM1/8	KM1/8	KM1/8	KM1/8	KM1/8	KM1/8
Motor type – Hoist		KM1/16	KM2/32	KM2/32	KM2/32	KM2/32	KM2/32
Lifting speed at full load	ft/min m/min	2.0 0.6	3.6 1.1	2.3 0.7	1.6 0.5	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	2.0 0.6	3.9 1.2	2.6 0.8	2 0.6	2 0.6	1.5 0.45
Lowering speed at full load	ft/min m/min	2.1 0.65	3.9 1.2	2.6 0.8	2 0.6	2 0.6	1.5 0.45
Lowering speed without load	ft/min m/min	2.1 0.65	3.9 1.2	2.6 0.8	2 0.6	2 0.6	1.5 0.45
Travelling speed at full load	ft/min m/min	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12
Connection		G ½	G ¾	G ¾	G ¾	G ¾	G ¾
Hose dimension		DN 12	DN 16	DN 16	DN 16	DN 16	DN 16
Weight with standard lift and control	lbs kg	1584 720	2310 1050	3410 1550	4136 1880	8378 3800	11354 5150
Chain dimension	mm	16 x 45	23.5 x 66	23.5 x 66	23.5 x 66	32 x 90	32 x 90
Weight of chain	lbs/ft kg/m	3.9 5.8	8.2 12.2	8.2 12.2	8.2 12.2	14.3 21.3	14.3 21.3
Standard lift	ft m	10 3	10 3	10 3	10 3	10 3	10 3
Length of control with standard lift	ft m	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2

Group mechanism: EH 20-H – EH 100-H M3 (1 Bm)

DIMENSIONS

Type		EH 20-H	EH 25-H	EH 37-H	EH 50-H	EH 75-H	EH 100-H
A ¹	inch mm	5.1 130	5.8 146	5.8 146	4.9 125	3.9 100	4.9 125
B	inch mm	2.7 68	2.8 70	2.8 70	2.7 68	2.7 68	2.7 68
C	inch mm	10.5 267	10.1 257	10.5 267	10.7 272	8.9 225	9.1 230
D	inch mm	1.4 35	1 25	1 25	1.6 40	1.4 35	1.6 40
E	inch mm	8.7 220	7.8 198	8.7 220	11.1 283	8.6 218	11.1 282
F ¹	inch mm	32.3 820	39.3 998	42.1 1070	45.3 1150	59.1 1500	59.1 1500
G	inch mm	7.9 200	6.7 170	7.5 190	16.5 420	18.9 480	22.6 575
H	inch mm	2.8 70	2.8 70	3.9 100	3.9 100	4.7 120	4.7 120
J	inch mm	10.5 266	13.8 350	17.9 455	13.4 340	17.9 455	18.5 470
K	inch mm	23.6 600	46.7 1185	68.1 1730	66.1 1680	118.9 3020	124.8 3170
L	inch mm	14.5 367	14.8 377	14.8 377	18.2 462	32.5 825	32.5 825
M	inch mm	16.5 420	22.1 562	22.1 562	27.0 687	31.7 805	31.7 805

¹Chain containers increase the hoist headroom



EH 25-H



EH 20-H