

# ELECTRIC WIRE ROPE HOISTS

LOW HEADROOM - CVAT


TOP RUNNING DG TROLLEY - KVAT

FOOT MOUNT - VAT

STANDARD HEADROOM - HVAT



# BUILT WITH INTEGRITY



Let us share our wealth of knowledge accumulated over three decades.

We have equipped the material handling industry across North America with some of the most resilient cranes and crane products the market has to offer. By building durable overhead cranes and furnishing them with only premium crane components, Hydramach has built a reputation second to none.

## THE LIFTING MOTOR

Our rugged 3-phase dual speed electric lifting and trolley motors with integrated conical brake and integrated cooling fan are designed for the most rigorous of duty. Spring loaded, mechanically actuated brake guarantees a safe stop every time.



## BOTTOM HOOK BLOCK

Precision machined sheaves protected on both sides by side plates and with maintenance free bearings sealed for life. Spring loaded safety latches as standard. Available in 4/1 and 2/1 configurations as well as 4/2-1 True Vertical Lift



## PLANETARY SPEED REDUCER

Permanently oil bathed 3-stage planetary speed reducer with heat treated bevel geared teeth for quiet operation. Hidden inside the drum, it allows for a more compact hoist with a better approach, as well as higher capacity lifts at higher lifting heights.

## YOUR BENEFITS OF AN INTERNAL GEARBOX

- Maintenance Free
- Compact Hoist Body
- Quieter Running
- Longer Lift Heights
- Higher Capacity



## LOW HEADROOM - CVAT

The best solution for a single girder crane keeping the hoist and trolley in a low profile to the bridge to provide the most working area under the hook. DUAL trolley motors guaranteeing smooth trolley travel .



## PENDANT PUSH BUTTON STATIONS

Hydramach carries pendant stations from the leading manufacturing giants which include Siemens & Telemecanique. Radio remote controls stocked inhouse and available upon request.



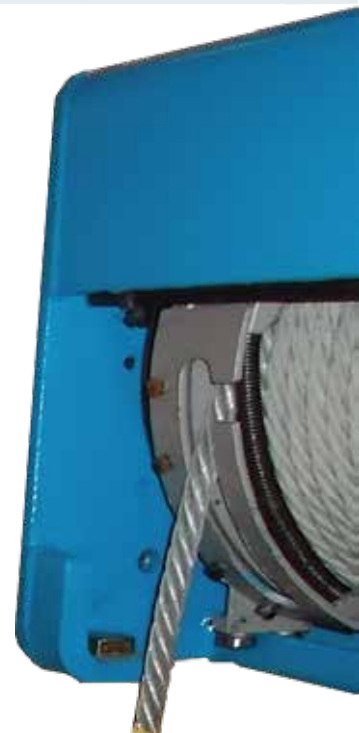
## THE ROPE GUIDE

Three piece construction allows for easy assembly, while solid cast metal construction guarantees a long part life. Machined to match the treaded couture of the drum for smooth operation, while guide rollers maintain even consistency in pressure and tracking.



## UPPER / LOWER LIMIT SWITCHES

Hook travel limit switches ensure power is automatically cut off in the upper and lower travel positions of the bottom block always keeping your load at a safe, preset distance.





TWIN 5t Low Headroom Hoists

### DUAL TROLLEY DRIVES

Having two geared brake motors allows for much smoother trolley travel and is helpful in brake down situations as the hoist can still be moved with only one active trolley motor.

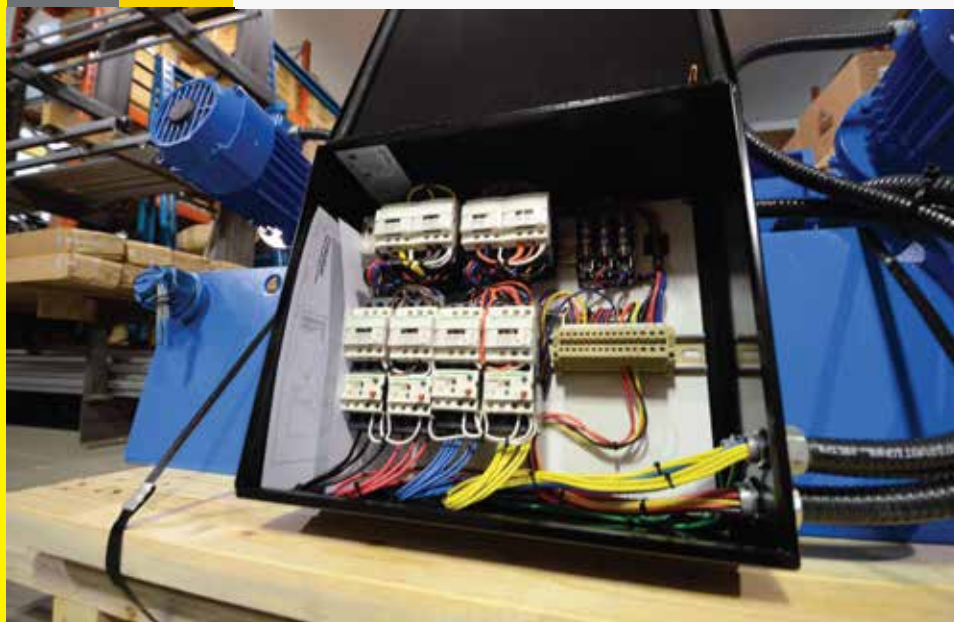
### DIRECT DRIVE WHEELS

The trolley gearbox transfers power directly to the wheels eliminating the need for open gearing allowing the low headroom trolley to exceed in rugged dusty environments and outdoor applications.



## ELECTRICAL PANELS

- Minimum NEMA 4 rated enclosures.
- All motions have mechanical interlocks and are complete with adjustable overloads.
- Only high quality Schneider brand components.
- Integrated mechanical overload as standard.



# LOW HEADROOM SINGLE GIRDER



The best solution for a single girder crane keeping the hoist and trolley in a low profile to the bridge to provide the most working area under the hook.

With a dual motor driven trolley and direct drive wheels the CVAT low headroom trolley guarantees smooth trolley travel in all operating conditions.



## YOUR BENEFITS

Single girder top and under running cranes when paired with low headroom hoist offer a cost effective solution to maximize your headroom.

# LOW HEADROOM

# SPECIFICATIONS



Low Headroom - 4/1										
Model	Capacity (tonnes)	Group Duty FEM 9.511	Lifting Height (m)	Lifting Speeds (m/min)	Lifting Motor (kW)	Trolley Speeds (m/min)	Trolley Motor (kW)	Rope Reeving	Rope Diameter (mm)	Weight w/o counter weight (kg)
CVATB1422TpE315N	3.2	2m	9	4.8 / 0.72	0.4/2.7	14.4 / 4.8	2x 0.1/0.3	4 by 1	8	410
CVATP2512TpE315N	5	2m	7.5	4.8 / 1.2	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	4 by 1	10	600
CVATP2522TpE315N	5	2m	11	4.8 / 1.2	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	4 by 1	10	600
CVATB3522TpE315N	7	2m	9.5	4.8 / 0.72	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	4 by 1	12	705
CVATB3532TpE315N	7	2m	12.5	4.8 / 0.72	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	4 by 1	12	730
CVAT4522TpE315N	10	2m	9	4.8 / 1.2	2.0 / 9.6	14.4 / 4.8	2x 0.14/0.44	4 by 1	14	1,010
CVAT5522TpE315N	16	2m	9	4.8 / 1.2	3.6 / 15.6	14.4 / 4.8	2x 0.22/0.66	4 by 1	18	1,535
CVAT5522TpE315N	20 tons	1Am	9	4.8 / 1.2	3.6 / 15.6	14.4 / 4.8	2x 0.22/0.66	4 by 1	18	1,535

Low Headroom - 2/1										
Model	Capacity (tonnes)	Group Duty FEM 9.511	Lifting Height (m)	Lifting Speeds (m/min)	Lifting Motor (kW)	Trolley Speeds (m/min)	Trolley Motor (kW)	Rope Reeving	Rope Diameter (mm)	Weight w/o counter weight (kg)
CVATB1422TpE215N	1.6	2m	18	9.6 / 1.44	0.4/2.7	14.4 / 4.8	2x 0.1/0.3	2 by 1	8	395
CVATP2512TpE215N	2.5	2m	15	9.6 / 2.4	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	2 by 1	10	585
CVATP2522TpE215N	2.5	2m	22	9.6 / 2.4	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	2 by 1	10	585
CVATB3522TpE215N	3.5	2m	19	9.6 / 1.44	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	2 by 1	12	785
CVATB3532TpE215N	3.5	2m	25	9.6 / 1.44	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	2 by 1	12	710
CVAT4522TpE215N	5	2m	18	9.6 / 2.4	2.0 / 9.6	14.4 / 4.8	2x 0.14/0.44	2 by 1	14	985
CVAT5522TpE215N	8	2m	18	9.6 / 2.4	3.6 / 15.6	14.4 / 4.8	2x 0.22/0.66	2 by 1	18	1,515
CVAT5522TpE215N	10 tons	1Am	18	9.6 / 2.4	3.6 / 15.6	14.4 / 4.8	2x 0.22/0.66	2 by 1	18	1,515



CVAT - LOW HEADROOM



## RUGGED HOISTS

Whether on your shop crane or one kilometer underground in a Northern Canadian mine, our wire rope hoists are engineered and manufactured to ensure a long life, even under the most rigorous usage.

WIRE ROPE HOISTS

# DOUBLE GIRDER ULTRA LOW HEADROOM



Used in longer spans with heavier capacities but also a great choice when headroom is critical as you can sink the hoist inside (between) the girders as per our Ultra Low Headroom Top and Under Running designs.



## YOUR BENEFITS

- Capacities up to 50 tons
- Span up to 100 ft
- Ultra low headroom design

Aux Hoist - On heavier cranes adding a lower capacity auxillary hoist is a great way to handle the smaller day to day lifting quickly and efficiently.





WIRE ROPE HOISTS  
**DOUBLE GIRDER  
 LOW HEADROOM**

UNDER RUNNING TROLLEY



**ULTRA LOW PROFILE**

By sinking the hoist down in between the double girders of the crane the Ultra Low Profile design keeps building costs down while allowing our customers to utilize every square inch of headroom efficiently.



**ROPE CONFIGURATIONS**

- 4/1 rope reeving - Standard on all hoists. This arrangement offers a lifting speed of 4.8/1.2 m/min on most units in 6m, 9m and 11m lifting heights.
- 2/1 rope reeving - This doubles the lifting height available and doubles the lifting speeds but reduces the lifting capacity by half.
- 4/2-1 True Vertical Lift - a double grooved drum with ropes on each end moving towards the center lift the load straight up without any lateral movement. Available upon request.

TOP RUNNING TROLLEY



# TOP RUNNING SPECIFICATIONS



Top Running - 4/1										
Model	Capacity (tonnes)	Group Duty FEM 9.511	Lifting Height (m)	Lifting Speeds (m/min)	Lifting Motor (kW)	Trolley Speeds (m/min)	Trolley Motor (kW)	Rope Reeving	Rope Diameter (mm)	Weight (kg)
KVATP2512TpE315N	5	2m	7.5	4.8 / 1.2	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	4 by 1	10	780
KVATP2522TpE315N	5	2m	11	4.8 / 1.2	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	4 by 1	10	815
KVATP2532TpE315N	5	2m	14.5	4.8 / 1.2	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	4 by 1	10	870
KVATB3512TpE315N	7	2m	6.5	4.8 / 0.72	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	4 by 1	12	815
KVATB3522TpE315N	7	2m	9.5	4.8 / 0.72	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	4 by 1	12	870
KVATB3532TpE315N	7	2m	12.5	4.8 / 0.72	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	4 by 1	12	925
KVAT4522TpE315N	10	2m	9	4.8 / 1.2	2.0 / 9.6	14.4 / 4.8	2x 0.22/0.66	4 by 1	14	1,335
KVAT4522TpE315N	10	2m	12.5	4.8 / 1.2	2.0 / 9.6	14.4 / 4.8	2x 0.22/0.66	4 by 1	14	1,440
KVAT5522TpE315N	16	2m	9	4.8 / 1.2	3.6 / 15.6	14.4 / 4.8	2x 0.3/0.9	4 by 1	18	2,165
KVAT5522TpE315N	20 tons	1Am	9	4.8 / 1.2	3.6 / 15.6	14.4 / 4.8	2x 0.3/0.9	4 by 1	18	2,165
KVATAD6534TpE315N	30	2m	9.5	3.0 / 0.72	4.8 / 19.2	14.4 / 4.8	2x 1.3/0.44	4 by 1		

Top Running - 2/1										
Model	Capacity (tonnes)	Group Duty FEM 9.511	Lifting Height (m)	Lifting Speeds (m/min)	Lifting Motor (kW)	Trolley Speeds (m/min)	Trolley Motor (kW)	Rope Reeving	Rope Diameter (mm)	Weight (kg)
KVATP2512TpE215N	2.5	2m	15	9.6 / 2.4	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	2 by 1	10	780
KVATP2522TpE215N	2.5	2m	22	9.6 / 2.4	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	2 by 1	10	815
KVATP2532TpE215N	2.5	2m	29	9.6 / 2.4	1.1 / 4.6	14.4 / 4.8	2x 0.1/0.3	2 by 1	10	870
KVATB3512TpE215N	3.5	2m	13	9.6 / 1.44	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	2 by 1	12	815
KVATB3522TpE215N	3.5	2m	19	9.6 / 1.44	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	2 by 1	12	870
KVATB3532TpE215N	3.5	2m	25	9.6 / 1.44	1.2 / 9.0	14.4 / 4.8	2x 0.1/0.3	2 by 1	12	925
KVAT4522TpE215N	5	2m	18	9.6 / 2.4	2.0 / 9.6	14.4 / 4.8	2x 0.22/0.66	2 by 1	14	1,335
KVAT4522TpE215N	5	2m	25	9.6 / 2.4	2.0 / 9.6	14.4 / 4.8	2x 0.22/0.66	2 by 1	14	1,440
KVAT5522TpE215N	8	2m	18	9.6 / 2.4	3.6 / 15.6	14.4 / 4.8	2x 0.3/0.9	2 by 1	18	2,165
KVAT5522TpE215N	10 tons	1Am	18	9.6 / 2.4	3.6 / 15.6	14.4 / 4.8	2x 0.3/0.9	2 by 1	18	2,165
KVATAD6534TpE215N	15	2m	19	6.0 / 1.44	4.8 / 19.2	14.4 / 4.8	2x 1.3/0.44	2 by 1		



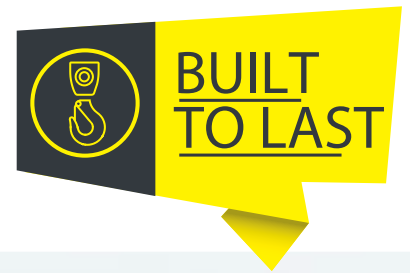
KVAT - TOP RUNNING



## OUR MARKETS

- ALUMINUM
- AUTOMOTIVE
- AVIATION
- FORESTRY
- MINING
- MANUFACTURING
- OIL & GAS
- ROBOTICS & AUTOMATION
- STEEL

# FOOT MOUNT



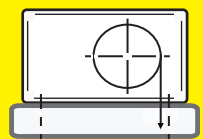
Foot mounted hoists are perfect for stationary hoisting where lateral movement is not required. They are also ideal for crane builders whom prefer to build their own top running double girder trolleys as the VAT series foot mounted hoists easily integrate onto most trolley designs.



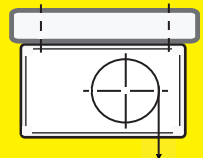
## MOUNTING OPTIONS

Various mounting configurations:

TOP MOUNT

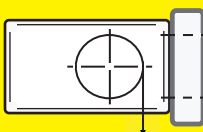


UNDERHUNG



SIDE MOUNT

Consult owners manual for mounting plate details.



# FOOT MOUNT

# SPECIFICATIONS



Foot Mounted- 4/1										
Model	Capacity (tonnes)	Group Duty FEM 9.511	Lifting Height (m)	Lifting Speeds (m/min)	Lifting Motor (kW)	Trolley Speeds (m/min)	Trolley Motor (kW)	Rope Reeving	Rope Diameter (mm)	Weight (kg)
VATP2512TpE3N	5	2m	7.5	4.8 / 1.2	1.1 / 4.6	n/a	n/a	4 by 1	10	390
VATP2522TpE3N	5	2m	11	4.8 / 1.2	1.1 / 4.6	n/a	n/a	4 by 1	10	410
VATB3522TpE3N	7	2m	9.5	4.8 / 0.72	1.2 / 9.0	n/a	n/a	4 by 1	12	405
VATB3532TpE3N	7	2m	12.5	4.8 / 0.72	1.2 / 9.0	n/a	n/a	4 by 1	12	425
VAT4522TpE3N	10	2m	9	4.8 / 1.2	2.0 / 9.6	n/a	n/a	4 by 1	14	685
VAT5522TpE3N	16	2m	9	4.8 / 1.2	3.6 / 15.6	n/a	n/a	4 by 1	18	995
VAT5522TpE3N	20 tons	1Am	9	4.8 / 1.2	3.6 / 15.6	n/a	n/a	4 by 1	18	995
VAT6434TpE3N	30	2m	11.5	3.0 / 0.72	3.6 / 15.6	n/a	n/a	4 by 1	20	1,310

Foot Mounted- 2/1										
Model	Capacity (tonnes)	Group Duty FEM 9.511	Lifting Height (m)	Lifting Speeds (m/min)	Lifting Motor (kW)	Trolley Speeds (m/min)	Trolley Motor (kW)	Rope Reeving	Rope Diameter (mm)	Weight (kg)
VATP2512TpE2N	2.5	2m	15	9.6 / 2.4	1.1 / 4.6	n/a	n/a	4 by 1	10	390
VATP2522TpE2N	2.5	2m	22	9.6 / 2.4	1.1 / 4.6	n/a	n/a	4 by 1	10	410
VATB3522TpE2N	3.5	2m	19	9.6 / 1.44	1.2 / 9.0	n/a	n/a	4 by 1	12	405
VATB3532TpE2N	3.5	2m	25	9.6 / 1.44	1.2 / 9.0	n/a	n/a	4 by 1	12	425
VAT4522TpE2N	5	2m	18	9.6 / 2.4	2.0 / 9.6	n/a	n/a	4 by 1	14	685
VAT5522TpE2N	8	2m	18	9.6 / 2.4	3.6 / 15.6	n/a	n/a	4 by 1	18	995
VAT5522TpE2N	10 tons	1Am	18	9.6 / 2.4	3.6 / 15.6	n/a	n/a	4 by 1	18	995
VAT6434TpE2N	15	2m	23	6.0 / 1.44	3.6 / 15.6	n/a	n/a	4 by 1	20	1,310



VAT - FOOT MOUNT



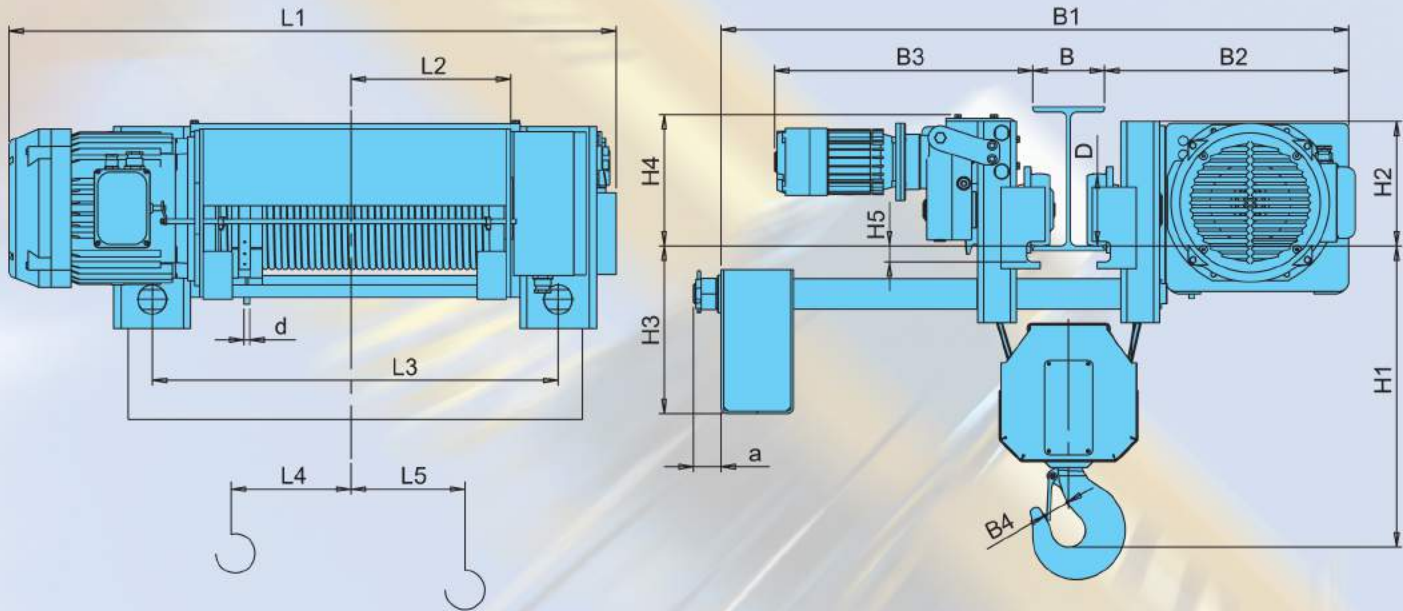
## OVERLOAD LIMITERS

**Thermal Overload** - Each hoist is equipped with thermal overload protection inside the hoist/trolley panel as standard.

**Mechanical Overload** - Hoists are equipped with additional mechanical overload protection upon customer request.

# LOW HEADROOM - 4/1

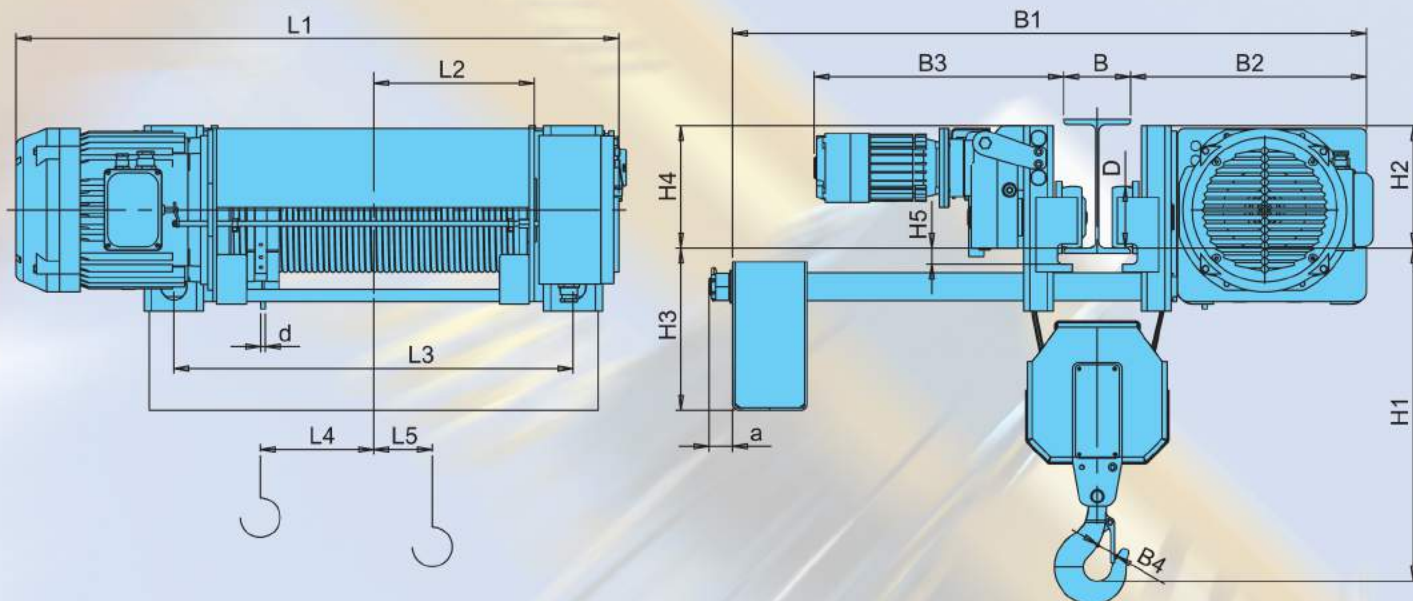
## DIMENSIONAL SPECS



a = 4/1			Dimensions [mm]																		
TYPE	Lifting height [m]	Capacity [kg]	Lifting speed [m/min]	L2	L3	L4	L5	B	B1	B2	B3	B4	H1	H2	H3	H4	H5	D	a	d	
			4.8/1.2																		
			L1																		
CVAT05	H1	8,5	1 000	952	296	704	123	-5	110...300	1030	378	487	34	455	245	300	255	30	100	48	6
	H2	12,5		1172	406	924	233	-60													
	H3	16,5		1392	516	1144	343	-80													
CVAT10	H1	6	3 200	1090	296	744	123	-5	130...330	1196	393	504	45	501	247	277	253	32,5	125	48	8
	H2	9		1310	406	964	233	-60													
	H3	12		1530	516	1184	343	-80													
CVAT20	H1	7,5	5 000	1261	324	845	139	-19	130...330	1306	508	537	50	580	260	350	273,5	33	150	58	10
	H2	11		1481	434	1065	249	-74													
	H3	14,5		1701	544	1285	359	-129													
CVAT30	H1	6,5	7 000	1293	324	845	84	38	130...360	1306	508	537	56	635	260	350	273,5	33	150	58	12
	H2	9,5		1513	434	1065	194	-18													
	H3	12,5		1733	544	1285	304	-72													
CVAT40	H1	6	10 000	1378	312	850	70	45	130...360	1513	620	539	71	850	280	380	295,5	43	190	70	14
	H2	9		1624	435	1096	193	-16													
	H3	12,5		1870	558	1342	316	-78													
CVAT50	H1	6	16 000	1454	330	865	8	109	170...360	1705	713	633	90	1030	425	435	434,5	55	250	70	18
	H2	9		1654	430	1065	108	58													
	H3	12		1854	530	1265	208	8													

# LOW HEADROOM - 2/1

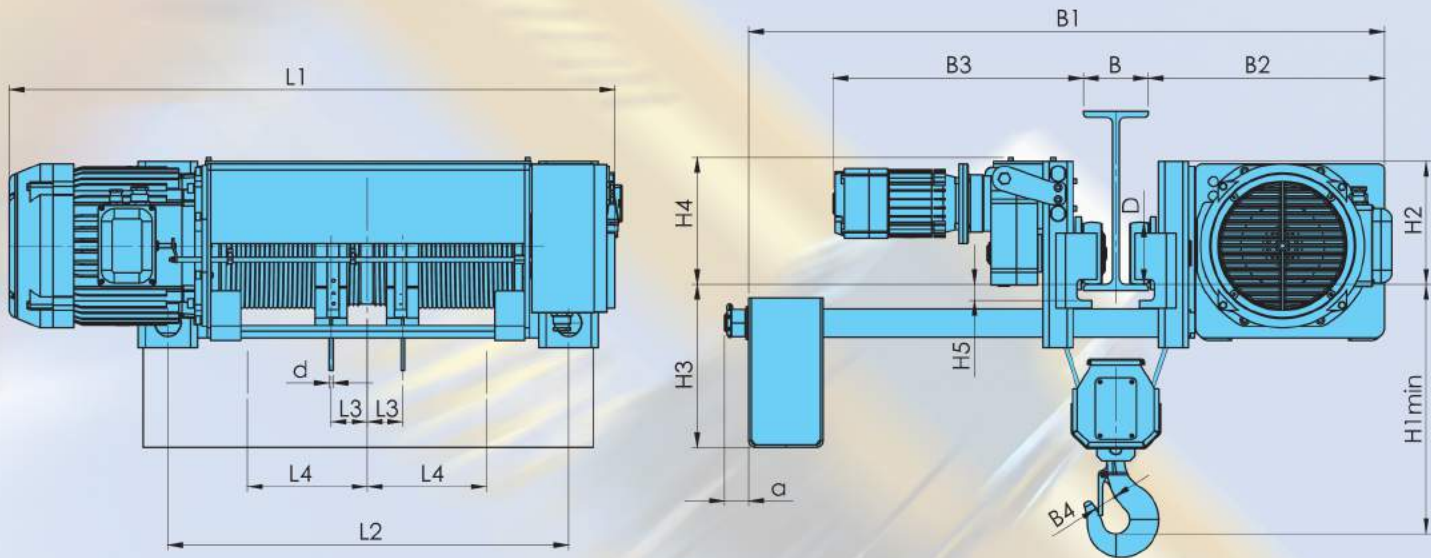
## DIMENSIONAL SPECS



a=2/1		Dimensions [ mm ]																			
TYPE	Lifting height [m]	Capacity [kg]	Lifting speed [ m/min ]		L2	L3	L4	L5	B	B1	B2	B3	B4	H1	H2	H3	H4	H5	D	a	d
			9.6/2.4	L1																	
CVAT10	H1	6,5	1 600	861	186	484	78	48	110...330	1021	369	487	34	510	245	300	245	30	100	48	8
	H2	9		971	241	594	133														
	H3	12		1081	296	704	188														
	H4	18		1301	406	924	298														
	H5	24		1521	516	1144	408														
CVAT20	H1	8,5	2 500	1004	219	595	82	54	120...360	1278	475	504	40	600	247	327	247	33	125	48	10
	H2	11,5		1104	269	695	132														
	H3	15		1214	324	805	187														
	H4	22		1434	434	1025	297														
	H5	29		1654	544	1245	407														
CVAT30	H1	7,5	3 500	1036	219	595	82	54	120...360	1278	475	504	45	675	247	327	247	33	125	48	12
	H2	10		1136	269	695	132														
	H3	13		1246	324	805	187														
	H4	19		1466	434	1025	297														
	H5	25		1686	544	1245	407														
CVAT40	H1	6,5	5 000	1151	219	623	89	48	130...360	1409	611	537	50	870	260	350	260	33	150	58	14
	H2	9,5		1246	266	718	137														
	H3	12,5		1338	312	810	183														
	H4	18,5		1584	436	1056	306														
	H5	25,5		1830	558	1302	429														
CVAT50	H2	9	8 000	1346	275	765	138	44	130...360	1705	713	540	71	1082	280	465	283	43	190	70	18
	H3	12		1446	325	865	188														
	H4	18		1646	425	1065	288														
	H5	24		1846	525	1265	388														

# LOW HEADROOM - 4/2-1 TRUE VERTICAL LIFT

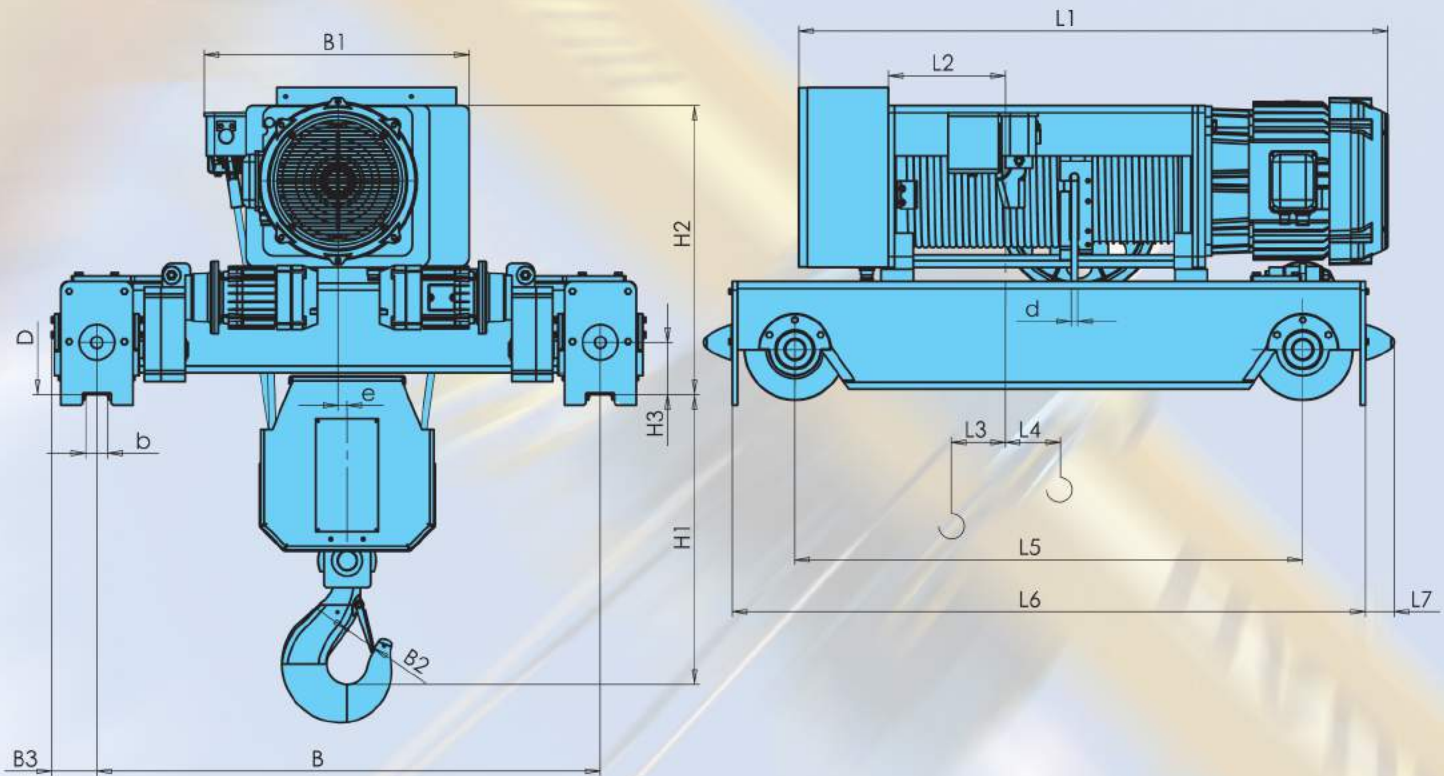
DIMENSIONAL SPECS



a = 4/2			Dimensions [ mm ]																		
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [m/mn]		L2	L3	L4	B	B1	B2	B3	B4	H1	H2	H3	H4	H5	D	a	d
				9.6/2.4																	
				L1																	
CVAT20	H1	6,5	2 000	1214	805	65	240	130...330	1278	475	504	45	501	247,5	327,5	254,5	32,5	125	48	8	
	H2	11		1434	1025																350
	H3	15,5		1654	1245																460
	H4	20		1874	1465																570
CVAT30	H1	4,5	3200	1261	845	90	240	130...330	1306	508	537	50	580	260	350	276	33	150	58	10	
	H2	8		1481	1065																350
	H3	11,5		1701	1285																460
CVAT40	H1	6,5	5000	1584	1056	120	326	130...360	1409	611	537	56	617	260	350	276	33	150	58	12	
	H2	10,5		1830	1302																449
	H3	14		2049	1521																559
CVAT50A	H1	8	6300	1646	1065	125	326	130...360	1705	713	540	56	620	280	465	294	43	190	70	12	
	H2	12		1846	1265																426
	H3	16		2046	1465																526
	H4	20		2246	1665																626
CVAT50	H1	9	8000	1846	1265	159	393	130...360	1705	713	540	71	825	280	465	294	43	190	70	14	
	H2	12,5		2046	1465																493
	H3	16		2246	1665																593

# TOP RUNNING 4/1

## DIMENSIONAL SPECS

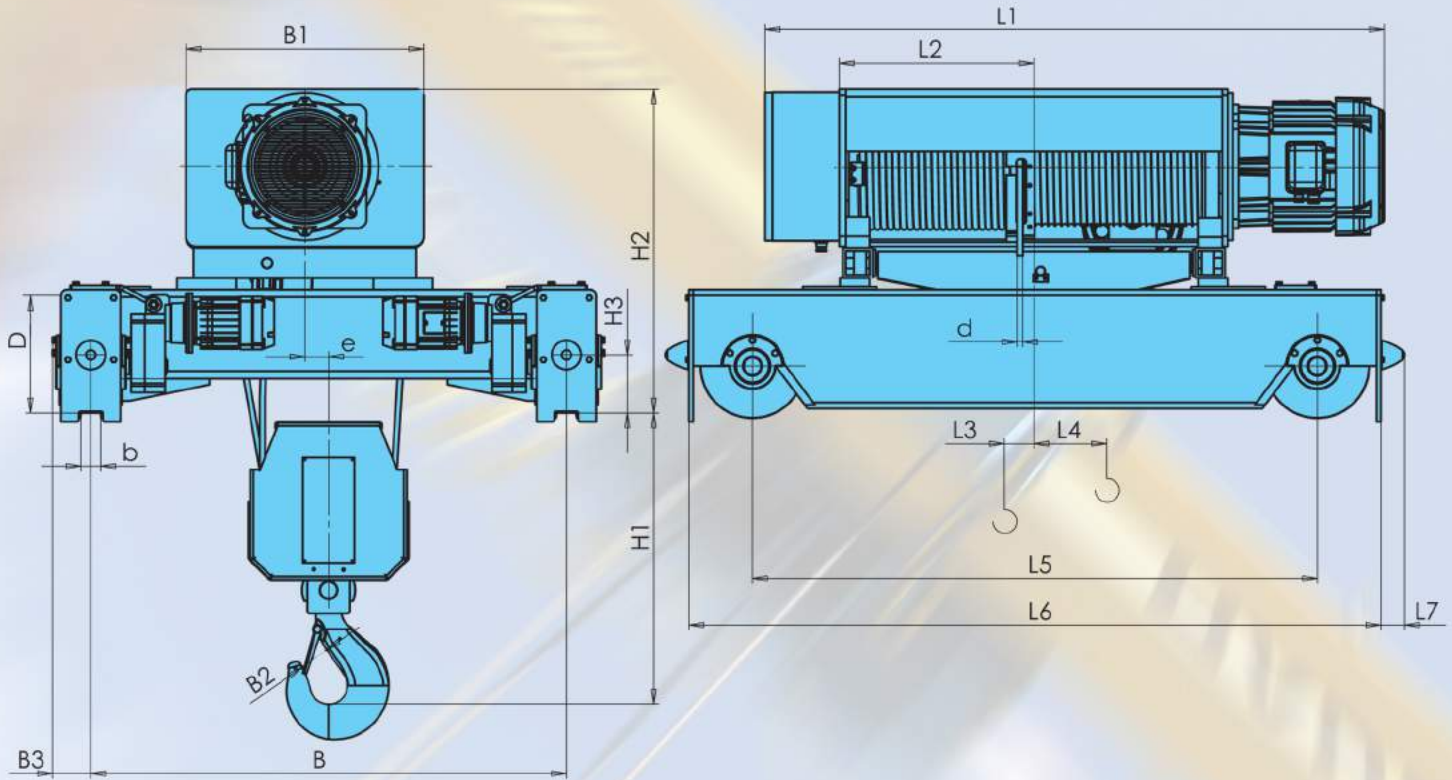


a=4/1		Capacity [kg]	Dimensions [ mm ]																					
TYPE	Lifting Height [m]		Lifting Speed [m/min]	L2	L3	L4	L5	L6	L7	B	B1	B2	B3	H1	H2	H3	D	b	e	d				
																					4.8/1.2	L1		
KVAT20	H1	7,5	5000	1202	324	-10	132	985	1263	80	1000	510	56	103	475	640	170	Ø160	50	1,5	10			
	H2	11		1422	434	-65	242	1205	1483		1200											1400	1600	1800
	H3	14,5		1622	544	-120	352	1425	1703		1600											1800		
KVAT30	H1	6,5	7000	1234	324	10	104	985	1263	80	1000	510	56	103	500	640	170	Ø160	50	1,5	12			
	H2	9,5		1454	434	-45	214	1205	1483		1200											1400	1600	1800
	H3	12,5		1674	544	-100	324	1425	1703		1600											1800		
KVAT 40	H1	6	10 000	1287	312	50	57	1120	1468	80	1000	572	71	127	630	730	145	Ø200	60	2	14			
	H2	9		1533	435	-12	189	1366	1714		1200											1400	1600	
	H3	12,5		1779	558	-74	311	1612	1960		1400											1600		
KVAT 50	H1	6	16 000	1436	330	75	14	1212	1560	80	1200	720	90	127	890	809	145	Ø250	60	26	18			
	H2	9		1636	430	47	95	1412	1760		1400											1600	1800	2000
	H3	12		1836	530	-3	195	1612	1960		1600											1800	2000	
KVATB60	H1	7	25 000	1560	90	18	1380	1808	80	1400	800	100	129	970	989	195	Ø315	65	29	-2 <sup>1</sup>	20			
	H2	8,5		1660	92	41	1480	1908		1600												1800	2000	
	H3	11,5		1870	40	146	1690	2118		1600												1800	2000	



# TOP RUNNING 4/1 - LONG LIFT HEIGHTS

DIMENSIONAL SPECS



a=4/1			Dimensions [ mm ]																	
TYPE	Lifting Height [m]	Capacity [kg]	Lifting Speed [n/min]	L2	L3	L4	L5	L6	L7	B	B1	B2	B3	H1	H2	H3	D	b	e	d
			4.8/1.2																	
			L1																	
KVAT20	H4 18	5000	1862	654	-173	460	1645	1923	80	1000	430	56	103	485	740	170	Ø160	50	61,5	10
	H5 21,5		2082	764	-228	570	1865	2143		1200										
	H6 25		2302	874	-283	680	2085	2363		1400										
KVAT30	H4 15,5	7000	1894	654	-152	439	1645	1923	80	1000	430	56	103	510	740	170	Ø160	50	63,5	12
	H5 18,5		2114	764	-207	549	1865	2143		1200										
	H6 21,5		2334	874	-262	659	2085	2363		1400										
	H7 24,5		2554	984	-317	769	2305	2583		1600										
KVAT 40	H4 15,5	10000	2000	668	-122	415	1831	2179	80	1000	480	71	127	720	830	145	Ø200	60	56	14
	H5 18		2169	753	-165	500	2002	2350		1200										
	H6 21		2384	861	-219	608	2217	2565		1400										
	H7 24		2599	968	-272	715	2432	2780		1600										

# TOP RUNNING 4/1 - LONG LIFT HEIGHTS

DIMENSIONAL SPECS

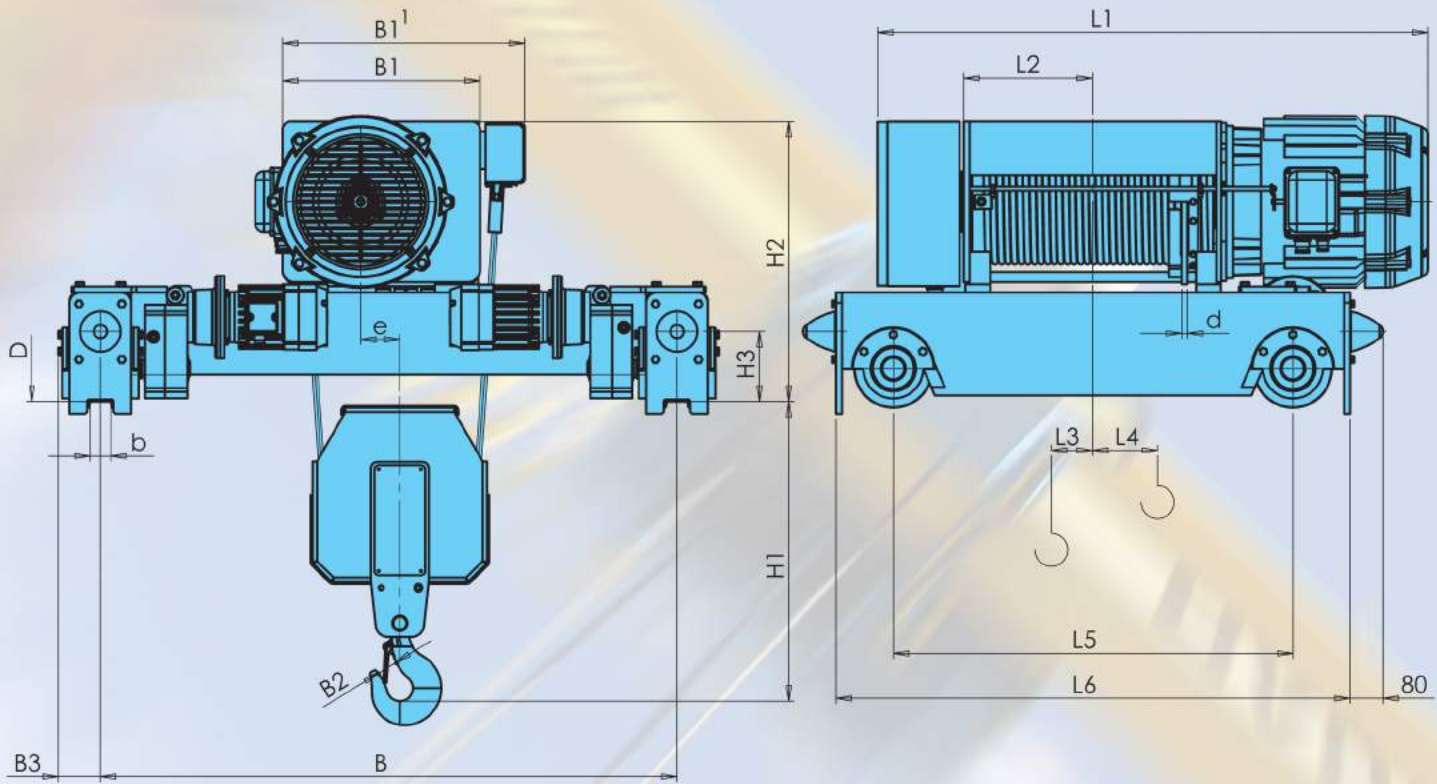
a=4/1			Dimensions [ mm ]																		
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [ m/min ]					L7	B	B1	B2	B3	H1	H2	H3	D	b	e	d	
				L2	L3	L4	L5	L6													
				4.8/1.2																	
L1																					
KVAT 50	H4	15	16 000	2036	630	-44	286	1812	2160	80	1200 1400 1600 1800 2000	620	90	127	950	909	145	Ø250	60	92	18
	H5	18		2236	730	-94	386	2012	2360												
	H6	21		2536	880	-178	536	2312	2660												
	H7	24		2746	985	-222	641	2522	2870												
	H8	27		2966	1095	-277	751	2742	3090												
	H9	30		3181	1203	-330	858	2957	3305												
	H10	33		3396	1310	-384	966	3172	3520												
	H11	36		3611	1418	-438	1074	3387	3735												

a=4/1			Dimensions [ mm ]																		
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [ m/min ]					L7	B	B1	B2	B3	H1	H2	H3	D	b	e	d	
				L2	L3	L4	L5	L6													
				4.8/1.2																	
L1																					
KVATB60	H4	14,5	25 000	2080	654	-7	244	1900	2328	80	1400 1600 2000	800	100	129	980	1089	195	Ø315	65	80	20
	H5	17,5		2290	759	-59	349	2110	2538												
	H6	20,5		2500	864	-111	454	2320	2748												
	H7	23,5		2710	969	-163	559	2530	2958												

a=4/1			Dimensions [ mm ]																		
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [ m/min ]					L7	B	B1	B2	B3	H1	H2	H3	D	b	e	d	
				L2	L3	L4	L5	L6													
				3.0/0.72																	
L1																					
KVAT60	H4	14,5	25 000	2080	654	-7	244	1900	2328	80	1400 1600 2000	800	100	129	980	1089	195	Ø315	65	80	20
	H5	17,5		2290	759	-59	349	2110	2538												
	H6	20,5		2500	864	-111	454	2320	2748												
	H7	23,5		2710	969	-163	559	2530	2958												
KVAAG0	H5	14,5	32 000	2290	759	-59	349	2110	2538	80	1400 1600 2000	800	100	129	1040	1089	195	Ø315	65	80	24
	H6	17		2500	864	-111	454	2320	2748												
	H7	20		2710	969	-163	559	2530	2958												

# TOP RUNNING - 2/1

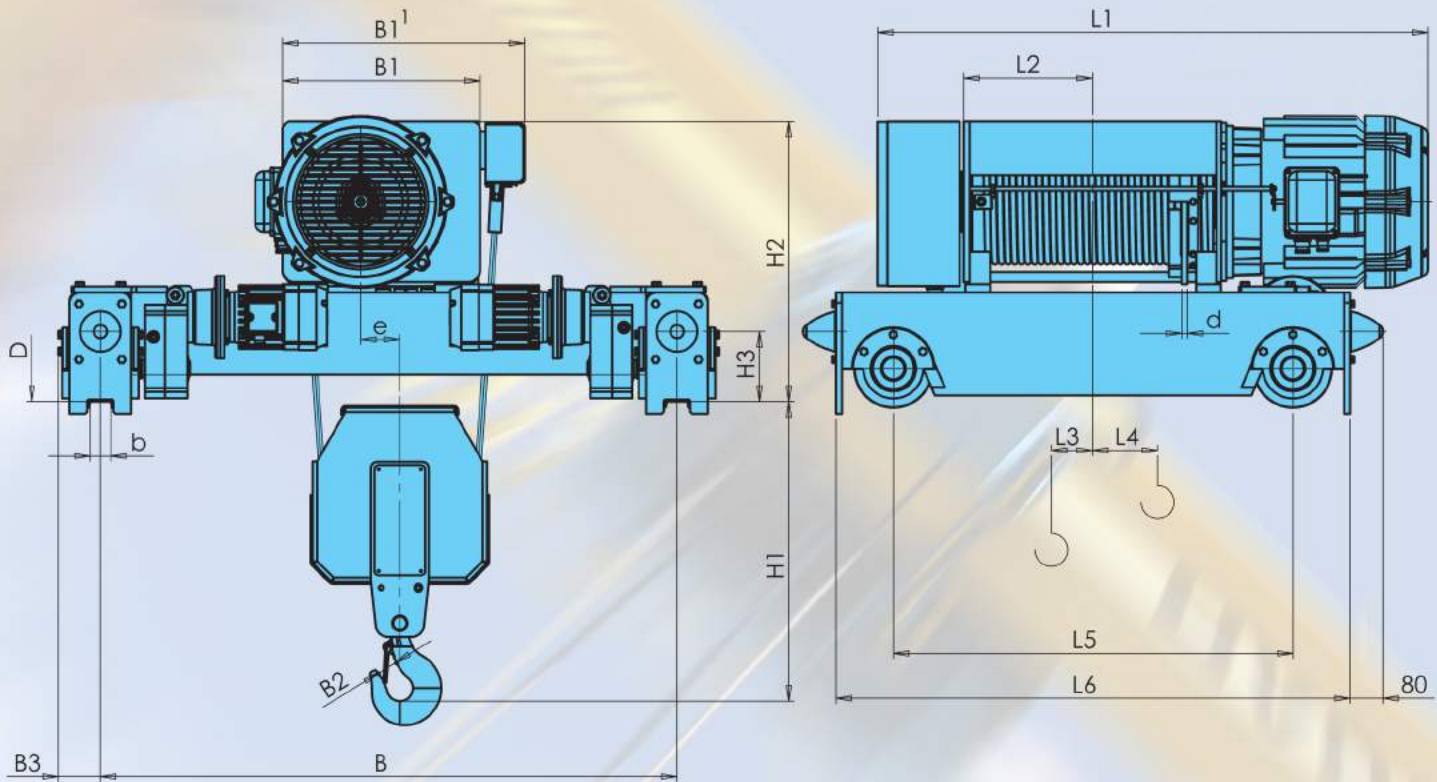
DIMENSIONAL SPECS



a=2/1		Capacity [kg]	Dimensions [ mm ]																		
TYPE	Lifting Height [m]		Lifting Speed [m/min]	L2	L3	L4	L5	L6	B	B <sub>1</sub> <sup>1</sup>	B2	B3	H1	H2	H3	D	b	e	d		
			9.6/2.4																		
			L1																		
KVAT 40	H1 6,5	5 000	1100	219	62	64	783	1061	1000	480	50	103	810	680	170	Ø160	50	42	95 <sup>1</sup>	14	
	H2 9,5		1195	266		112	878	1156	1200												
	H3 12,5		1287	312		158	970	1248	1400												
	H4 18,5		1533	435		281	1216	1494	1600												
	H5 25,5		1779	558		404	1462	1740	1800												
KVAT 50	H2 9	8 000	1336	280	24	173	1045	1393	1000	575	71	127	950	809	145	Ø200	60	44	86 <sup>1</sup>	18	
	H3 12		1436	330		223	1145	1493	1200												
	H4 18		1636	430		323	1345	1693	1400												
	H5 24		1836	530		423	1545	1893	1600												
			1836	530		423	1545	1893	1800												
KVATB60	H2 8,5	12 500	1365	296	42	145	1075	1423	1200	640	756 <sup>1</sup>	71	127	1035	884	145	Ø250	60	53	111 <sup>1</sup>	20
	H3 14		1560	394		242	1270	1618	1400												
	H4 17		1660	444		292	1370	1718	1600												
	H5 23		1870	549		397	1580	1928	1800												
			1870	549		397	1580	1928	2000												

# TOP RUNNING - 2/1

DIMENSIONAL SPECS

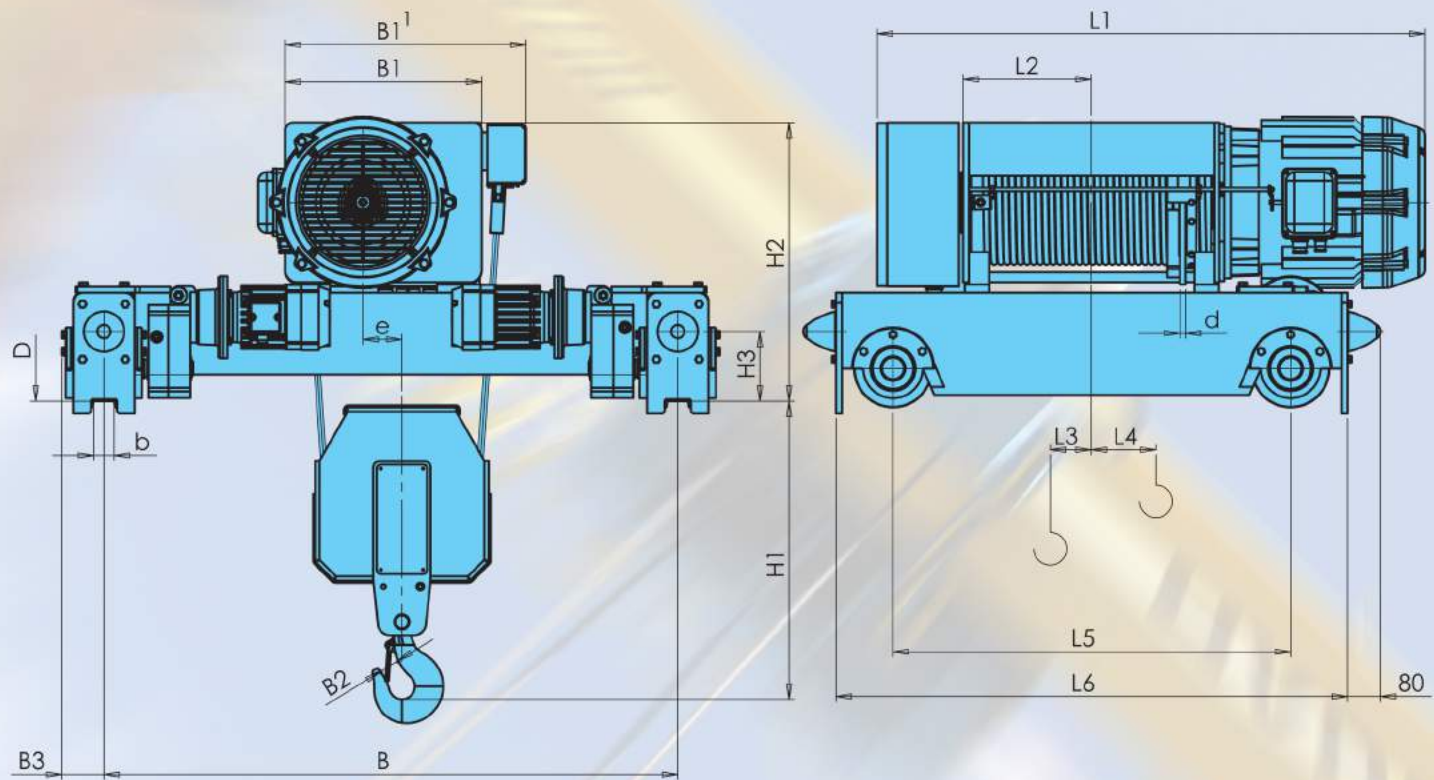


a=2/1			Dimensions [ mm ]																	
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [m/min]	L2	L3	L4	L5	L6	B	B1 B1'	B2	B3	H1	H2	H3	D	b	e	d
	6.0/1.4																			
	L1																			
KVAT60	H2	8,5	12 500	1365	296	42	145	1075	1423	1200 1400 1600 1800 2000	640 756	71	127	1035	884	145	Ø250	60	53 111	20
	H3	14		1560			242	1270	1618											
	H4	17		1660			292	1370	1718											
	H5	23		1870			397	1580	1928											

a=2/1			Dimensions [ mm ]																	
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [m/min]	L2	L3	L4	L5	L6	B	B1 B1'	B2	B3	H1	H2	H3	D	b	e	d
	6.0/1.4																			
	L1																			
KVATA60	H1	6,5	16 000	1365	296	42	145	1075	1423	1200 1400 1600 1800 2000	640 790	71	127	1035	884	145	Ø250	60	53 117	24
	H2	11,5		1560			242	1270	1618											
	H3	14		1660			292	1370	1718											
	H4	19		1870			397	1580	1928											
	H5	24		2080			502	1790	2138											

# TOP RUNNING 2/1 - LONG LIFT HEIGHTS

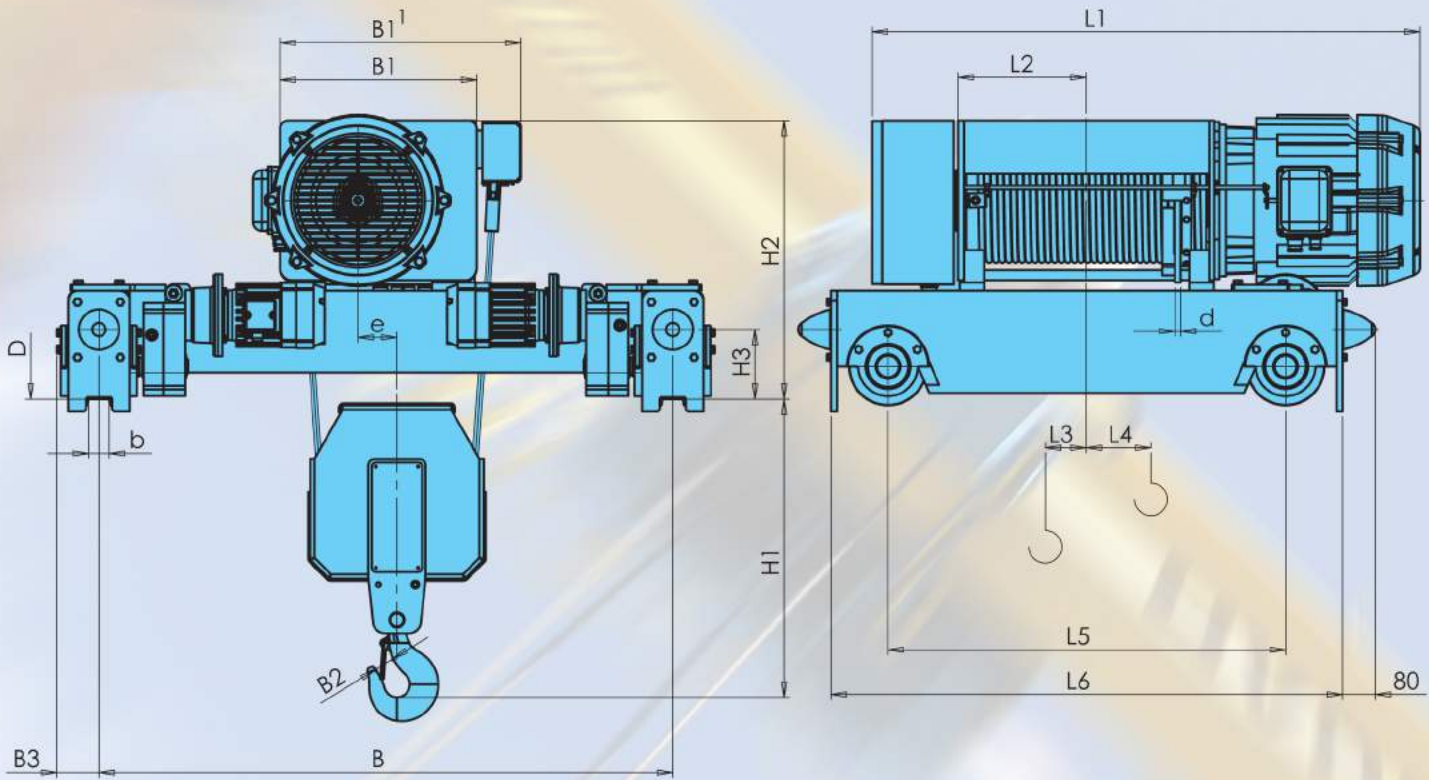
DIMENSIONAL SPECS



a=2/1			Dimensions [ mm ]																	
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [m/mn]	L2	L3	L4	L5	L6	B	B1 B1'	B2	B3	H1	H2	H3	D	b	e	d
				9.6/2.4																
				L1																
KVAT 40	H6	31,5	5 000	2000	668	62	514	1681	1959	1000	480 588	50	103	810	680	170	Ø160	50	42 95	14
	H7	36,5		2169	753		600	1852	2130	1200										
	H8	42,5		2384	861		707	2067	2345	1400										
	H9	48,5		2599	968		815	2282	2560	1600										
KVAT 50	H6	30	8 000	2036	630	24	523	1745	2093	1000	575 691	71	127	950	809	145	Ø200	60	44 86	18
	H7	36		2236	730		623	1945	2293	1200										
	H8	42		2536	880		773	2245	2593	1400										
	H9	48		2746	985		878	2455	2803	1600										

# TOP RUNNING 2/1 - LONG LIFT HEIGHTS

DIMENSIONAL SPECS



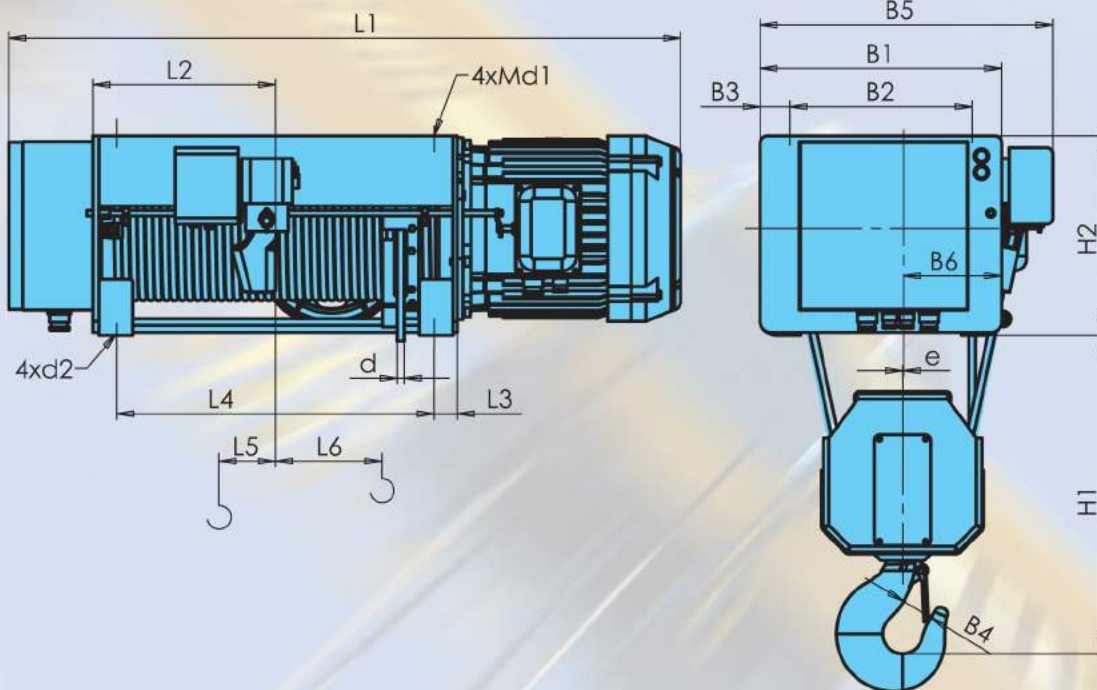
a=2/1		Dimensions [ mm ]																			
TYPE	Lifting Height [m]	Capacity [kg]	Lifting Speed [m/min]	L2	L3	L4	L5	L6	B	B1	B1'	B2	B3	H1	H2	H3	D	b	e	d	
			9.6/2.4 L1																		
KVATB60	H6 29	12 500	2080	654	42	502	1790	2138	1200	640	756 <sup>1</sup>	71	127	1035	884	145	Ø250	60	53	111 <sup>1</sup>	20
	H7 35		2290	759		607	2000	2348	1400												
	H8 41,5		2500	864		712	2210	2558	1600												
	H9 47,5		2710	969		817	2420	2768	1800												
								2000													

a=2/1		Dimensions [ mm ]																			
TYPE	Lifting Height [m]	Capacity [kg]	Lifting Speed [m/min]	L2	L3	L4	L5	L6	B	B1	B1'	B2	B3	H1	H2	H3	D	b	e	d	
			6.0/1.4 L1																		
KVAT60	H6 29	12 500	2080	654	42	502	1790	2138	1200	640	756 <sup>1</sup>	71	127	1035	884	145	Ø250	60	53	111 <sup>1</sup>	20
	H7 35		2290	759		607	2000	2348	1400												
	H8 41,5		2500	864		712	2210	2558	1600												
	H9 47,5		2710	969		817	2420	2768	1800												
								2000													
KVATA60	H6 29,5	16 000	2290	759	42	607	2000	2348	1200	640	790 <sup>1</sup>	71	127	1035	884	145	Ø250	60	53	117 <sup>1</sup>	24
	H7 35		2500	864		712	2210	2558	1400												
	H8 40		2710	969		817	2420	2768	1600												
								2000													

<sup>1</sup> Execution with HOT

# FOOT MOUNT 4 / 1

## DIMENSIONAL SPECS

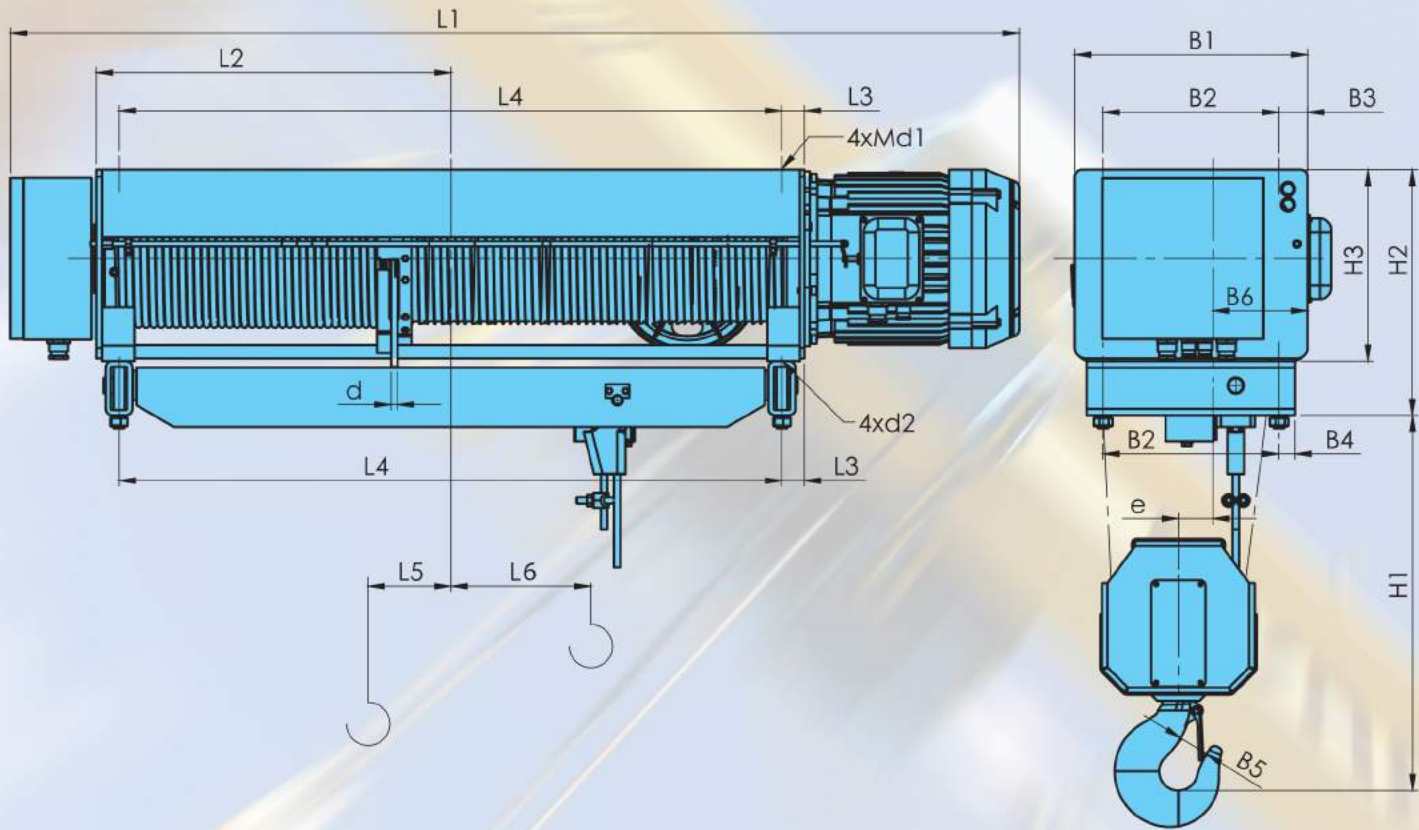


a = 4/1			Dimensions [ mm ]																									
TYPE	Lifting Height [m]		Capacity [kg]	Lifting speed [m/min]						L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	e	d	d1	d2		
				4/1																								
				L1																								
VAT05	H1	8	1000	1065						296	28	534		-15	126	320	240	40	45	390		125	450	295	17	6	M16	Ø16
	H2	12		1285						406		754		-70	236					413								
	H3	16		1505						516		974		-125	346													
VAT10	H1	6	3200	1087						296	28	534		-15	126	320	240	40	45	390		125	450	295	17	8	M16	Ø16
	H2	9		1307						406		754		-70	236					413								
	H3	12		1527						516		974		-125	346													
VAT20	H1	7,5	5000	1202						324	41,5	565		-10	132	430	325	52,5	50	510		175	540	355	1,5	10	M20	Ø22
	H2	11		1422						434		785		-65	242					521								
	H3	14,5		1642						544		1005		-120	352													
VAT30	H1	6,5	7000	1234						324	41,5	565		10	104	430	325	52,5	56	510		175	565	355	1,5	12	M20	Ø22
	H2	9,5		1454						434		785		-45	214					521								
	H3	12,5		1674						544		1005		-100	324													
VAT40	H1	6	10 000	1287						312	36	550		50	57	480	370	55	71	572		190	775	395	2	14	M24	Ø26
	H2	9		1533						435		796		-12	189					588								
	H3	12,5		1779						558		1042		-74	311													
VAT60	H1	6	16000	1436						330	40	575		75	14	620	520	50	90	736		255	980	455	26	18	M33	Ø26
	H2	9		1636						430		775		47	95					736								
	H3	12		1836						530		975		-3	195													
VAT60*	H1	7	25000	1560						394	68	650		90	18	800	660	70	100	916		400	1100	535	29	20	M33	Ø33
	H2	8,5		1660						444		750		92	41					916								
	H3	11,5		1870						549		960		40	146					916								
VATA60*	H2	7	32000	1660*						444	68	750		92	41	800	660	70	100	916		400	1100	535	29	20	M33	Ø33
	H3	9,5		1870*						549		960		40	146					916								
	H4	12		2080*						654		1170		-14	251					916								

\*VATA60 .. hoist lifting speeds 3.0/0.72 m/min in 60Hz

# FOOT MOUNT 4 / 1 - LONG LIFT HEIGHTS

## DIMENSIONAL SPECS



a = 4/1			Dimensions [ mm ]																					
TYPE	Lifting height [m]	Capacity [kg]	Lifting Speed [m/mn]				L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	H3	e	d	d1	d2
			4.8/1.2																					
			L1																					
VAT05	H4	20	1725				626	28	1194 -180 456			320	240	40	25	45	125	520	395	295	49	6	M16	Ø16
	H5	24	1945				736		1414 -235 566															
	H6	28	2165				846		1634 -290 676															
	H7	32	2385				956		1854 -345 786															
VAT10	H4	15	1747				626	28	1194 -180 456			320	240	40	25	45	125	520	395	295	49	8	M16	Ø16
	H5	18	1967				736		1414 -235 566															
	H6	21	2187				846		1634 -290 676															
	H7	24	2407				956		1854 -345 786															
VAT20	H4	18	1862				654	41,5	1225 -173 460			430	325	52,5	30	50	175	660	455	355	61,5	10	M20	Ø22
	H5	21,5	2082				764		1445 -228 570															
	H6	25	2302				874		1665 -283 680															



# FOOT MOUNT 4 / 1 - LONG LIFT HEIGHTS

## DIMENSIONAL SPECS

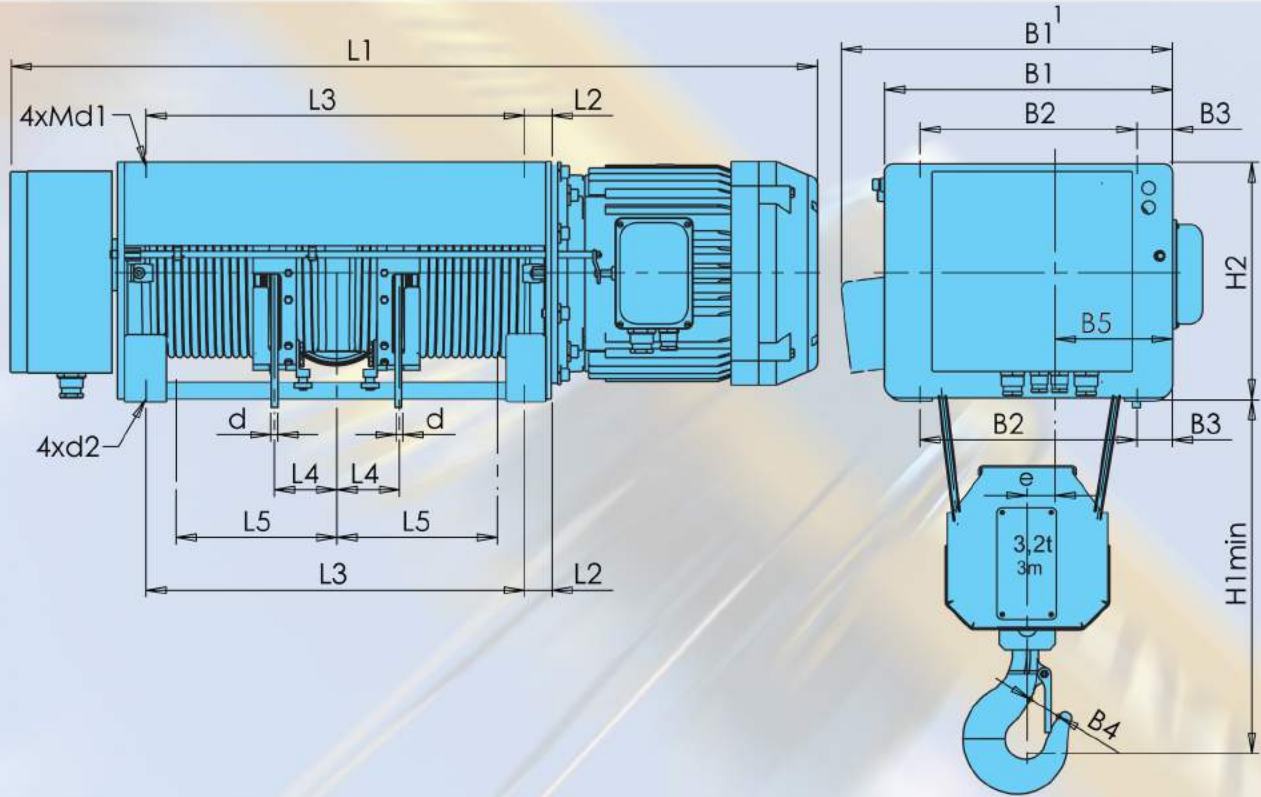
a = 4/1			Dimensions [ mm ]																					
TYPE	Lifting height [m]		Capacity [kg]	Lifting Speed [ m/min ]			L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	H3	e	d	d1	d2
				4.8/1.2																				
				L1																				
VAT30	H4	15,5	7 000	1894	654	41,5		1225	-152	439	430	325	52,5	30	56	175	700	455	355	63,5	12	M20	Ø22	
	H5	18,5		2114	764			1445	-207	549														
	H6	21,5		2334	874			1665	-262	659														
	H7	24,5		2554	984			1885	-317	769														
VAT40	H4	15,5	10 000	2000	668	36		1261	-122	415	480	370	55	36	71	190	960	495	395	56	14	M24	Ø26	
	H5	18		2169	753			1432	-165	500														
	H6	21		2384	861			1647	-219	608														
	H7	24		2599	968			1862	-272	715														
VAT50	H4	15	16 000	2036	630	40		1175	-44	286	620	520	50	45	90	255	1150	555	455	92	18	M33	Ø26	
	H5	18		2236	730			1375	-94	386														
	H6	21		2536	880			1675	-178	536														
	H7	24		2746	985			1885	-222	641														
	H8	27		2966	1095			2105	-277	751														
	H9	30		3181	1203			2320	-330	858														
	H10	33		3396	1310			2535	-384	966														
	H11	36		3611	1418			2750	-438	1074														

a = 4/1			Dimensions [ mm ]																					
TYPE	Lifting height [m]		Capacity [kg]	Lifting Speed [ m/min ]			L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	H3	e	d	d1	d2
				3.0/0.72																				
				L1																				
VAT60	H4	14,5	25 000	2080	654	68		1170	-7	244	800	660	70	45	100	400	1285	635	535	80	20	M33	Ø33	
	H5	17,5		2290	759			1380	-59	349														
	H6	20,5		2500	864			1590	-111	454														
	H7	23,5		2710	969			1800	-163	559														
VATA60	H5	14,5	32 000	2290	759	68		1380	-59	349	800	660	70	45	100	400	1345	635	535	80	24	M33	Ø33	
	H6	17		2500	864			1590	-111	454														
	H7	20		2710	969			1800	-163	559														

a = 4/1			Masse / Dimensions [ mm ]																					
TYPE	Lifting height [m]		Capacity [kg]	Lifting speed [ m/min ]			L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	H3	e	d	d1	d2
				4.8/1.2																				
				L1																				
VATB60	H4	14,5	25000	2080	654	68		1170	-7	244	800	660	70	45	100	400	1285	635	535	80	20	M33	Ø33	
	H5	17,5		2290	759			1380	-59	349														
	H6	20,5		2500	864			1590	-111	454														
	H7	23,5		2710	969			1800	-163	559														

# FOOT MOUNT - 4/2-1 TRUE VERTICAL LIFT

DIMENSIONAL SPECS



a = 4/2			Dimensions [ mm ]																			
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [ m/min ]	L2	L3	L4	L5	B1	B1'	B2	B3	B4	B5	H1	H2	e	d	d1	d2		
				9.6/2.4																		
				L1																		
VAT10	H1	6	1 000	1087	28	534	72,5	215	320	380 <sup>1</sup>	240	40	45	125	450	295	36	6	M16	Ø16		
	H2	10		1307																	754	325
	H3	14		1527																	974	435
VAT20	H1	6,5	2 000	1202	41,5	565	65	238	430	480 <sup>1</sup>	325	52,5	45	175	450	355	41	8	M20	Ø22		
	H2	11		1422																	785	348
	H3	15,5		1642																	1005	458
VAT30	H1	4,5	3 200	1234	41,5	565	90	238	430	495 <sup>1</sup>	325	52,5	50	175	530	355	42	10	M20	Ø22		
	H2	8		1454																	785	348
	H3	11,5		1674																	1005	458
VAT40	H1	6,5	5 000	1533	36	796	120	326	480	550 <sup>1</sup>	370	55	56	190	570	395	49,5	12	M24	Ø26		
	H2	10,5		1779																	1042	449
	H3	14		1998																	1261	559
VAT50A	H1	8	6 300	1636	40	775	125	326	620	690 <sup>1</sup>	520	50	56	255	570	455	65	12	M33	Ø26		
	H2	12		1836																	975	426
	H3	16		2036																	1175	526
VAT50	H1	9	8 000	1836	40	975	159	393	620	705 <sup>1</sup>	520	50	71	255	800	455	65	14	M33	Ø26		
	H2	12,5		2036																	1175	493
	H3	16		2236																	1375	593
VAT60	H1	7	12 000	1870	68	960	202	400,5	800	858 <sup>1</sup>	660	70	71	400	921	535	61,5	16	M33	Ø33		
	H2	10,5		2080																	1170	505,5
	H3	14		2290																	1380	610,5

# FOOT MOUNT - 4/2-1 TRUE VERTICAL LIFT

DIMENSIONAL SPECS

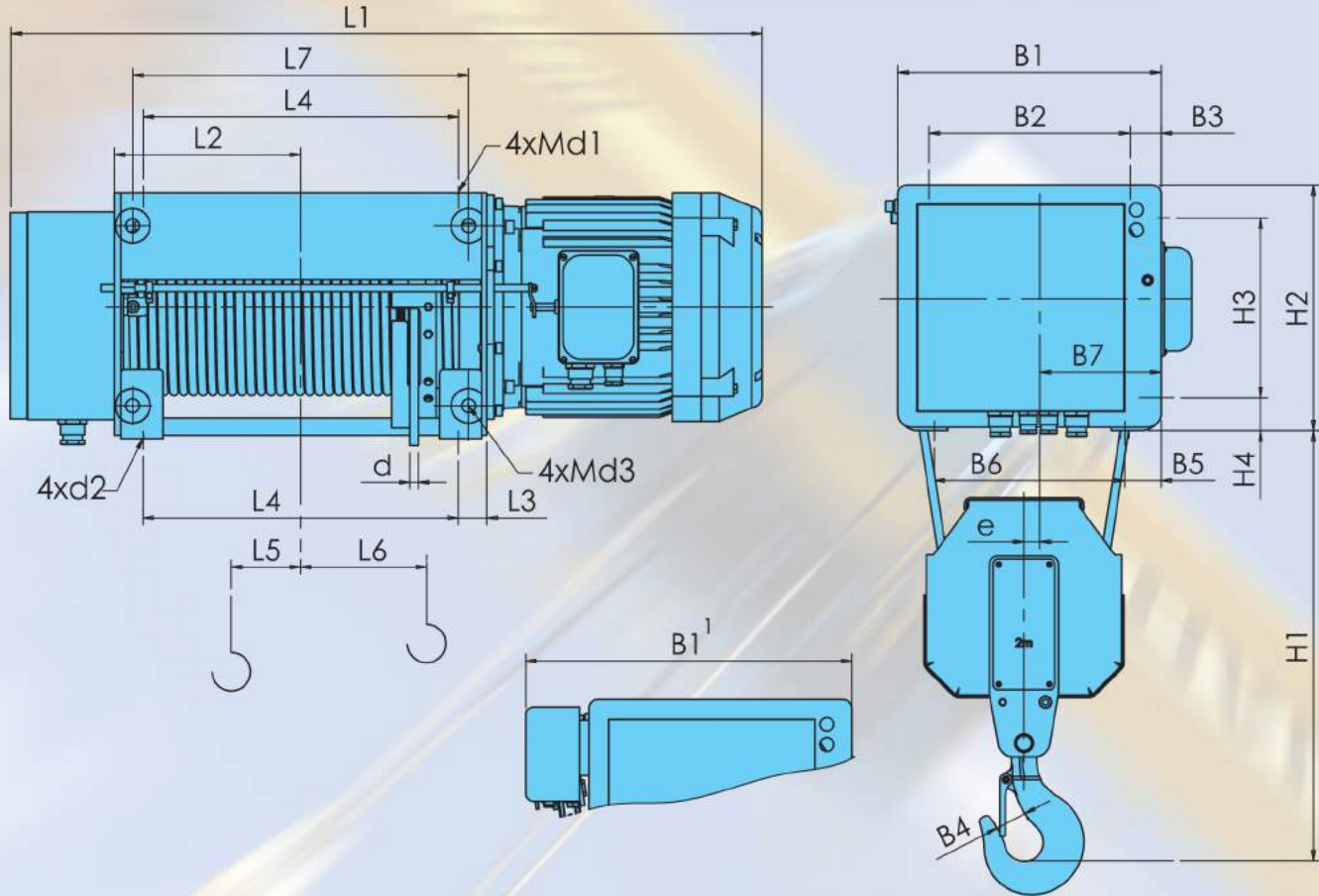
a = 4/2			Dimensions [ mm ]																	
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [m/min]		L2	L3	L4	L5	B1	B2	B3	B4	B5	H1	H2	e	d	d1	d2
				6.0/1.4																
				L1																
VAT60	H1	7	12 000	1870		68	960	202	400,5	800	660	70	71	400	921	535	61,5	16	M33	Ø33
	H2	10,5		2080					505,5											
	H3	14		2290					610,5											
VAT A64	H1	5	16 000	1870		68	960	202	376,5	800	660	70	90	400	1435	535	61	20	M33	Ø33
	H2	8		2080					481,5											
	H3	11		2290					586,5											

a = 4/2			Dimensions [ mm ]																	
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [m/min]		L2	L3	L4	L5	B1	B2	B3	B4	B5	H1	H2	e	d	d1	d2
				9.6/2.4																
				L1																
VAT10	H4	17,5	1 000	1747		28	1194	72,5	545	320	240	40	45	125	450	295	36	6	M16	Ø16
	H5	21,5		1967					655											
	H6	25,5		2187					765											
	H7	29,5		2407					875											
VAT20	H4	20	2 000	1862		41,5	1225	65	568	430	325	52,5	45	175	450	355	41	8	M20	Ø22
	H5	24		2082					678											
	H6	28,5		2302					788											
VAT30	H4	15	3 200	1894		41,5	1225	90	568	430	325	52,5	50	175	530	355	42	10	M20	Ø22
	H5	18		2114					678											
	H6	21,5		2334					788											
	H7	25		2554					898											
VAT40	H4	17	5 000	2169		36	1432	120	644	480	370	55	56	190	570	395	49,5	12	M24	Ø26
	H5	20,5		2384					752											
	H6	24		2599					859											
VAT50A	H4	20	6 300	2236		40	1375	125	626	620	520	50	56	255	570	455	65	12	M33	Ø26
	H5	25,5		2536					776											
	H6	30		2746					881											
	H7	34		2966					991											
	H8	38,5		3181					1099											
VAT50	H4	21	8 000	2536		40	1675	159	743	620	520	50	71	255	800	455	65	14	M33	Ø26
	H5	24,5		2746					848											
	H6	28,5		2966					958											
	H7	32,5		3181					1066											
	H8	36		3396					1173											
	H9	40		3611					1280											
VATB60	H4	18	12 000	2500		68	1590	202	715,5	800	660	70	71	400	921	535	61,5	16	M33	Ø33
	H5	21,5		2710					820,5											

a = 4/2			Dimensions [ mm ]																	
TYPE	Lifting Height [m]		Capacity [kg]	Lifting Speed [m/min]		L2	L3	L4	L5	B1	B2	B3	B4	B5	H1	H2	e	d	d1	d2
				6.0/1.4																
				L1																
VAT60	H4	18	12 000	2500		68	1590	202	715,5	800	660	70	71	400	921	535	61,5	16	M33	Ø33
	H5	21,5		2710					820,5											
VATA64	H4	14	16 000	2500		68	1590	202	691,5	800	660	70	90	400	1435	535	61	20	M33	Ø33
	H5	17		2710					796,5											

# FOOT MOUNT - 2/1

## DIMENSIONAL SPECS



a=2/1		Dimensions [ mm ]																								
TYPE	Lifting height [ m ]	Capacity [ kg ]	Lifting speed [ m/min ]	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3	
			9.6/2.4																							
			L1																							
VAT05	H1	9	845	186	28	314	7	119	314	290 390 <sup>1</sup>	210	40	34	40	210	125	460	295	210	45	24 50 <sup>1</sup>	6	M16	Ø16	M16	
	H2	13	955	241		424		174	424																	
	H3	17	1065	296		534		229	534																	
	H4	25	1285	406		754		339	754																	
	H5	33	1505	516		974		449	974																	
VAT10	H1	6,5	867	186	28	314	7	119	314	290 390 <sup>1</sup>	210	40	34	40	210	125	460	295	210	45	24 50 <sup>1</sup>	8	M16	Ø16	M16	
	H2	9	977	241		424		174	424																	
	H3	12	1087	296		534		229	534																	
	H4	18	1307	406		754		339	754																	
	H5	24	1527	516		974		449	974																	
VAT20	H1	8,5	992	219	41,5	355	5	132	385	380 471 <sup>1</sup>	290	45	40	52,5	275	175	550	355	260	47,5	23 56 <sup>1</sup>	10	M20	Ø22	M20	
	H2	11,5	1092	269		455		182	485																	
	H3	15	1202	324		565		237	595																	
	H4	22	1422	434		785		347	815																	
	H5	29	1642	544		1005		457	1035																	

# FOOT MOUNT - 2/1

## DIMENSIONAL SPECS

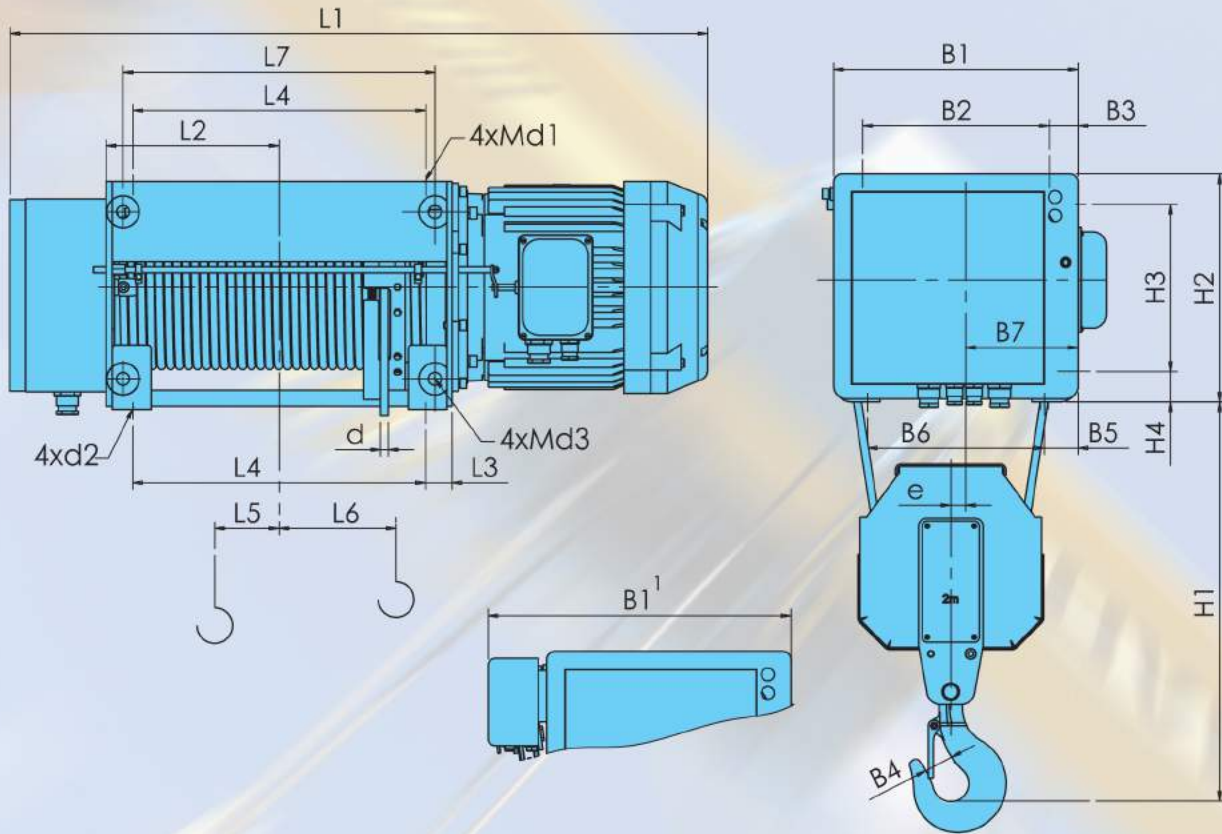
a=2/1			Dimensions [ mm ]																							
TYPE	Lifting height [m]	Capacity [kg]	Lifting speed [m/min]		L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3
			9.6/2.4	L1																						
			L1																							
VAT30	H1	7,5	3 200	1024	219	41,5	355	5	132	385	380 471	290	45	45	52,5	275	175	625	355	260	47,5	23 56	12	M20	Ø22	M20
	H2	10		1124	269		455		182	485																
	H3	13		1234	324		565		237	595																
	H4	19		1454	434		785		347	815																
	H5	25		1674	544		1005		457	1035																
VAT40	H1	6,5	5 000	1100	219	36	363	62	64	373	480 588	370	55	50	55	370	190	820	395	290	55	42 95	14	M24	Ø26	M24
	H2	9,5		1195	266		458		112	468																
	H3	12,5		1287	312		550		158	560																
	H4	18,5		1533	435		796		281	806																
	H5	25,5		1779	558		1042		404	1052																
VAT50	H2	9	8 000	1336	280	40	475	24	173	475	575 691	475	50	71	50	475	255	1042	455	355	50	44 86	18	M33	Ø26	M33
	H3	12		1436	330		575		223	575																
	H4	18		1636	430		775		323	775																
	H5	24		1836	530		975		423	975																

a=2/1			Dimensions [ mm ]																							
TYPE	Lifting height [m]	Capacity [kg]	Lifting speed [m/min]		L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3
			6/1.4	L1																						
			L1																							
VAT60	H2	8,5	12 500	1365	296	68	455	42	145	455	640 756	500	70	71	70	500	270	1100	535	395	70	53 111	20	M33	Ø33	M33
	H3	14		1560	394		650		242	650																
	H4	17		1660	444		750		292	750																
	H5	23		1870	549		960		397	960																
	VATA60	H1		6,5	16 000		1365		296	68																
H2		11,5	1560	394		650	242	650																		
H3		14	1660	444		750	292	750																		
H4		19	1870	549		960	397	960																		
H5		24	2080	654		1170	502	1170																		

a=2/1			Dimensions [ mm ]																							
TYPE	Lifting height [m]	Capacity [kg]	Lifting speed [m/min]		L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3
			9.6/2.4	L1																						
			L1																							
VATB60	H2	8,5	12 500	1365	296	68	455	42	145	455	640 756	500	70	71	70	500	270	1100	535	395	70	53 111	20	M33	Ø33	M33
	H3	14		1560	394		650		242	650																
	H4	17		1660	444		750		292	750																
	H5	23		1870	549		960		397	960																

# FOOT MOUNT 2/1 - LONG LIFT HEIGHTS

## DIMENSIONAL SPECS



a=2/1		Dimensions [ mm ]																												
TYPE	Lifting height [ m ]	Capacity [ kg ]	Lifting speed [ m/min ]	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3					
			9.6/2.4																											
			L1																											
VAT05	H6 41	500	1725	626	28	1194	7	559	1194	290	210	40	34	40	210	125	460	295	210	45	24	50	6	M16	Ø16	M16				
	H7 49		1945																								736	1414	669	1414
	H8 57		2165																								846	1634	779	1634
	H9 64		2385																								956	1854	889	1854
VAT10	H6 30	1000	1747	626	28	1194	7	559	1194	290	210	40	34	40	210	125	460	295	210	45	24	50	8	M16	Ø16	M16				
	H7 36		1967																								736	1414	669	1414
	H8 42		2187																								846	1634	779	1634
	H9 48		2407																								956	1854	889	1854
VAT20	H6 36	2000	1862	654	41,5	1225	5	567	1255	380	290	45	40	52,5	275	175	550	355	260	47,5	23	56	10	M20	Ø22	M20				
	H7 43		2082																								764	1445	677	1475
	H8 50		2302																								874	1665	787	1695
VAT30	H6 31	3200	1894	654	41,5	1225	5	567	1255	380	290	45	45	52,5	275	175	625	355	260	47,5	23	56	12	M20	Ø22	M20				
	H7 37		2114																								764	1445	677	1475
	H8 43		2334																								874	1665	787	1695
	H9 49		2554																								984	1885	897	1915

# FOOT MOUNT 2/1 - LONG LIFT HEIGHTS

## DIMENSIONAL SPECS

a=2/1		Dimensions [ mm ]																								
TYPE	Lifting height [ m ]	Capacity [ kg ]	Lifting speed [ m/min ]		L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3
			9.6/2.4	L1																						
			L1																							
VAT40	H6 31,5	5 000	2000	668	36	62	1261	514	1271	480	370	55	50	55	370	190	820	395	290	55	42	95	14	M24	Ø26	M24
	H7 36,5		2169	753			1432	599	1442																	
	H8 42,5		2384	861			1647	707	1657																	
	H9 48,5		2599	968			1862	814	1872																	
VAT50	H6 30	8 000	2036	630	40	24	1175	523	1175	575	475	50	63	50	475	255	1042	455	355	50	44	86	17,5	M33	Ø26	M33
	H7 36		2236	730			1375	623	1375																	
	H8 42		2536	880			1675	773	1675																	
	H9 48		2746	985			1885	878	1885																	
	H10 54		2966	1095			2105	988	2105																	
	H11 60		3180	1203			2320	1096	2320																	
	H12 66		3396	1310			2535	1203	2535																	
	H13 72		3610	1418			2750	1311	2750																	

a=2/1		Dimensions [ mm ]																								
TYPE	Lifting height [ m ]	Capacity [ kg ]	Lifting speed [ m/min ]		L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3
			6/1,4	L1																						
			L1																							
VAT60	H6 29	12 500	2080	654	68	42	1170	502	1170	640	500	70	71	70	500	270	1100	535	395	70	53	111	20	M33	Ø33	M33
	H7 35		2290	759			1380	607	1380																	
	H8 41,5		2500	864			1590	712	1590																	
	H9 47,5		2710	969			1800	817	1800																	
VATA60	H6 29,5	16 000	2290	759	68	42	1380	607	1380	640	500	70	71	70	500	270	1100	535	395	70	53	117	24	M33	Ø33	M33
	H7 35		2500	864			1590	712	1590																	
	H8 40		2710	969			1800	817	1800																	

a=2/1		Dimensions [ mm ]																								
TYPE	Lifting height [ m ]	Capacity [ kg ]	Lifting speed [ m/min ]		L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	e	d	d1	d2	d3
			9.6/2.4	L1																						
			L1																							
VATB60	H6 29	12 500	2080	654	68	42	1170	502	1170	640	500	70	71	70	500	270	1100	535	395	70	53	111	20	M33	Ø33	M33
	H7 35		2290	759			1380	607	1380																	
	H8 41,5		2500	864			1590	712	1590																	
	H9 47,5		2710	969			1800	817	1800																	



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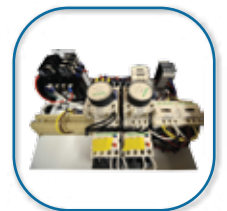
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