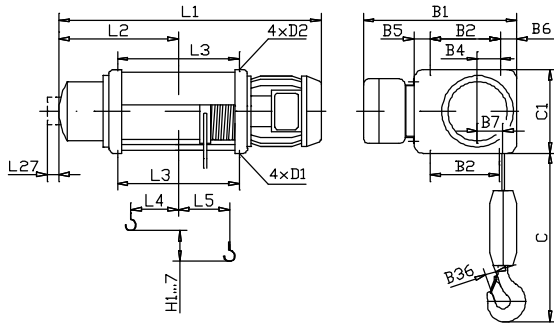


***ELECTRIC WIRE
ROPE HOIST
Type MT***

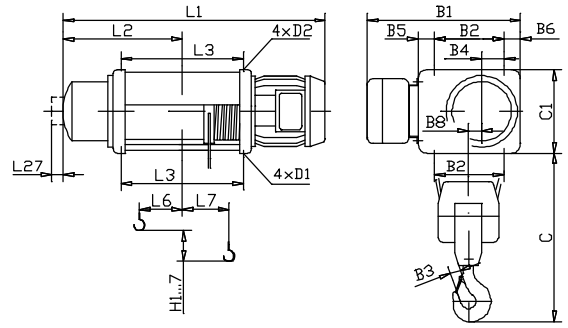


ELECTRIC HOIST MODIFICATIONS

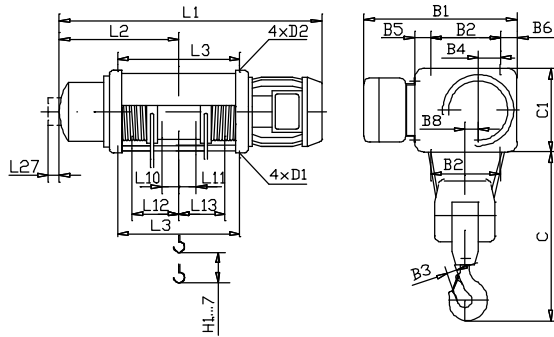
1. Stationary , reeving 1/1



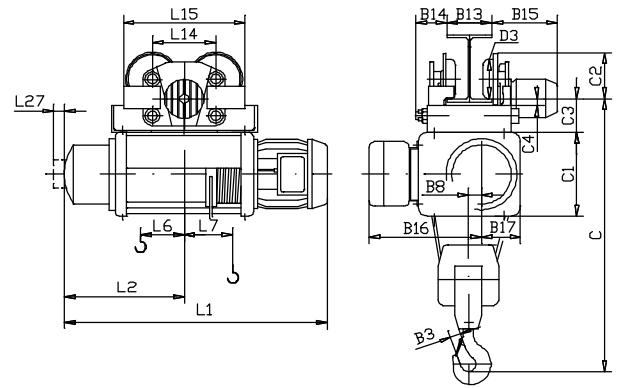
2. Stationary , reeving 2/1



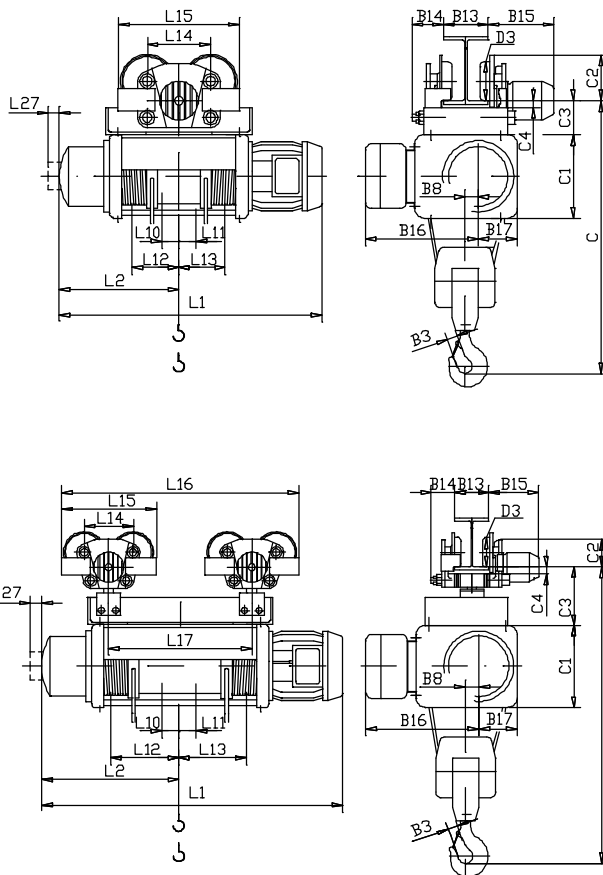
5. Stationary , reeving 4/2



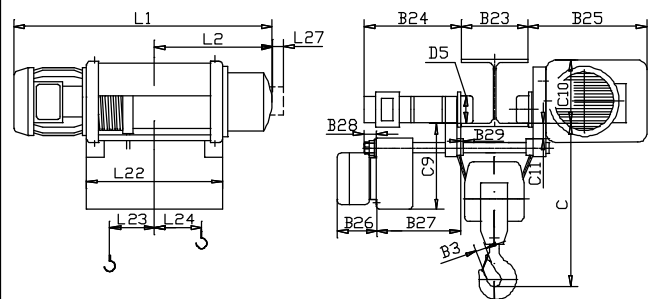
6. With monorail electric trolley, reeving 2/1



9. With monorail electric trolley , reeving 4/2

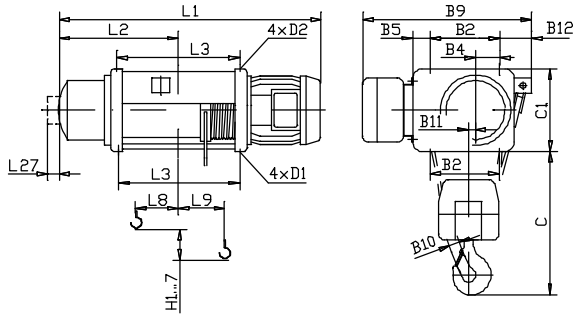


10. With monorail electric trolley for low headroom, reeving 2/1

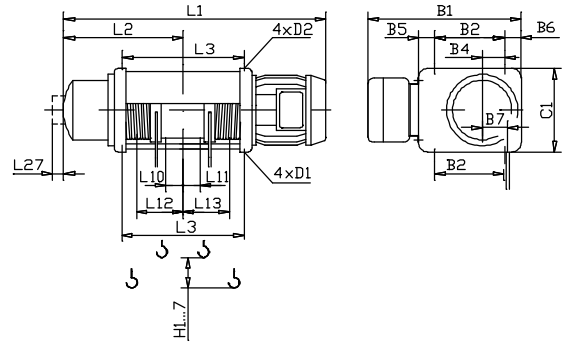


ELECTRIC HOIST MODIFICATIONS

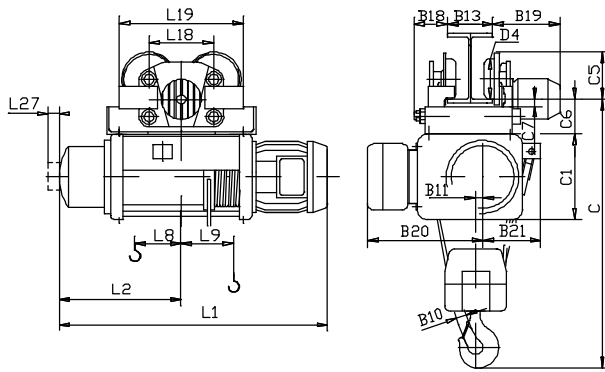
3. Stationary , reeving 4/1



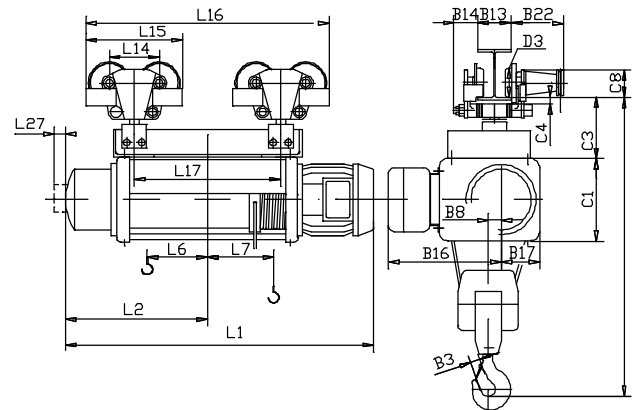
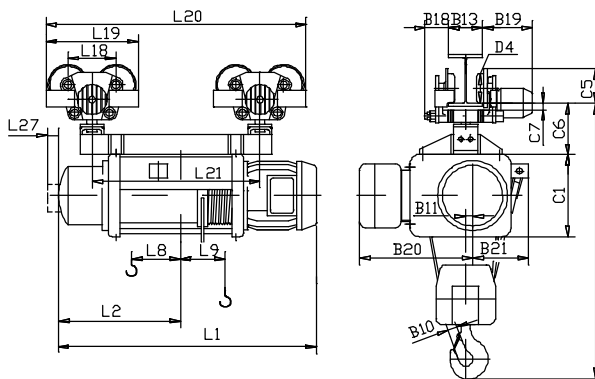
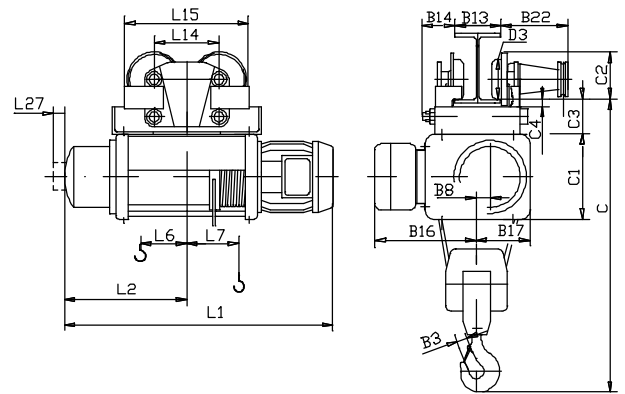
4. Stationary , reeving 2/2



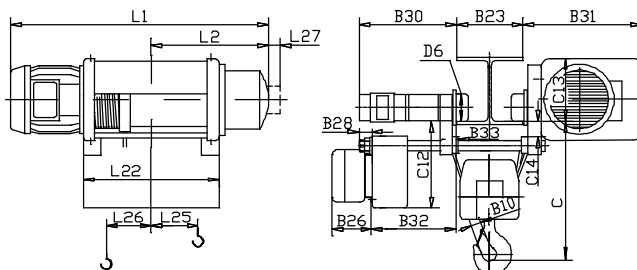
7. With monorail electric trolley , reeving 4/1



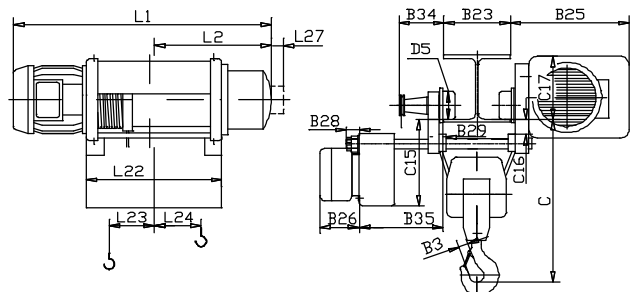
8. With monorail hand trolley , reeving 2/1



9. With monorail electric trolley for low headroom, reeving 4/1



10. With monorail hand trolley for low headroom, reeving 2/1



The MT-series rope electric hoists offers the customer new opportunities for efficient operation. Reliability, long life, convenience and safety of operation are intrinsic feature of these products.

The wide range of capacities, lifting height, lifting and travel wheels, different constructive modifications, various operation modes provide for enormous effective applicability of the series in nearly all industrial fields.

The modern technological and production equipment ensures high quality of details, units and machines. Hoist construction is based on the module principle and consists of separate blocks.

HOIST MOTOR

The cone rotor and build-in cone bare with forced cooling, situated out of the drum, provide for:

- more reliable braking system because of the less number of details;
- automatic brake release when the motor is started;
- good cooling of the brake; wear proof friction material, quick and easy adjustments of the axial rotor stroke.

GEARBOX

A planetary, two-stage gearbox of the hoisting mechanism, situated out of the drum. All gearing operate in oil bath and are worked put from high-grade heat-treated steel. It is notable for its compactness, low noise level, high efficiency and reliability.

GEARED COUPLING

The clutch transmits the torque of the electric motor with minimum axial resistance. It is notable for its simple construction and reliability.

DRUM WITH ROPE GUIDE

The drum is located by roll bearings on the front flanges of the electric motor and the reducer. The rope guide provides for the proper winding and unwinding of the rope, for maximum vertical rope deviation $\pm 4^\circ$ and actuates the end limit switches.

HOOK BLOCK

The unit is in full compliance with latest international requirements for reliability and safe operation – FEM and ISO.

BODY

The bearing body is made from welded sheet iron and is of sufficient hardness. At both sides the electric motor and the reducer are located as well as the trolley when the hoist is equipped with one.

MONO-RAIL TROLLEY

The electric hoists are equipped with electric trolleys, available in two variants – for normal headroom, where the hoisting mechanism is under the monorail pathway and for low headroom, where the hoisting mechanism is situated beside the railway. The normal headroom trolleys are driven by a plain two-stage reducer and the low headroom ones – by a planetary reducer. The flanged travel wheels are mounted on ball bearing. The trolleys are equipped with anti-fall and anti-derailing systems.

LOAD LIMITER

All hoists are equipped with a load limiting device with 1 or 2 intervention thresholds. Consisting of a sensitive and reliable electromechanical system with pins and pre-calibrated springs, acting on a microswitch, which operates on the auxiliary circuit of the lifting control contactor, it works as a safety device should the hoist happen to operate in conditions exceeding the overload limits as laid down by EC Directives.

ROPE

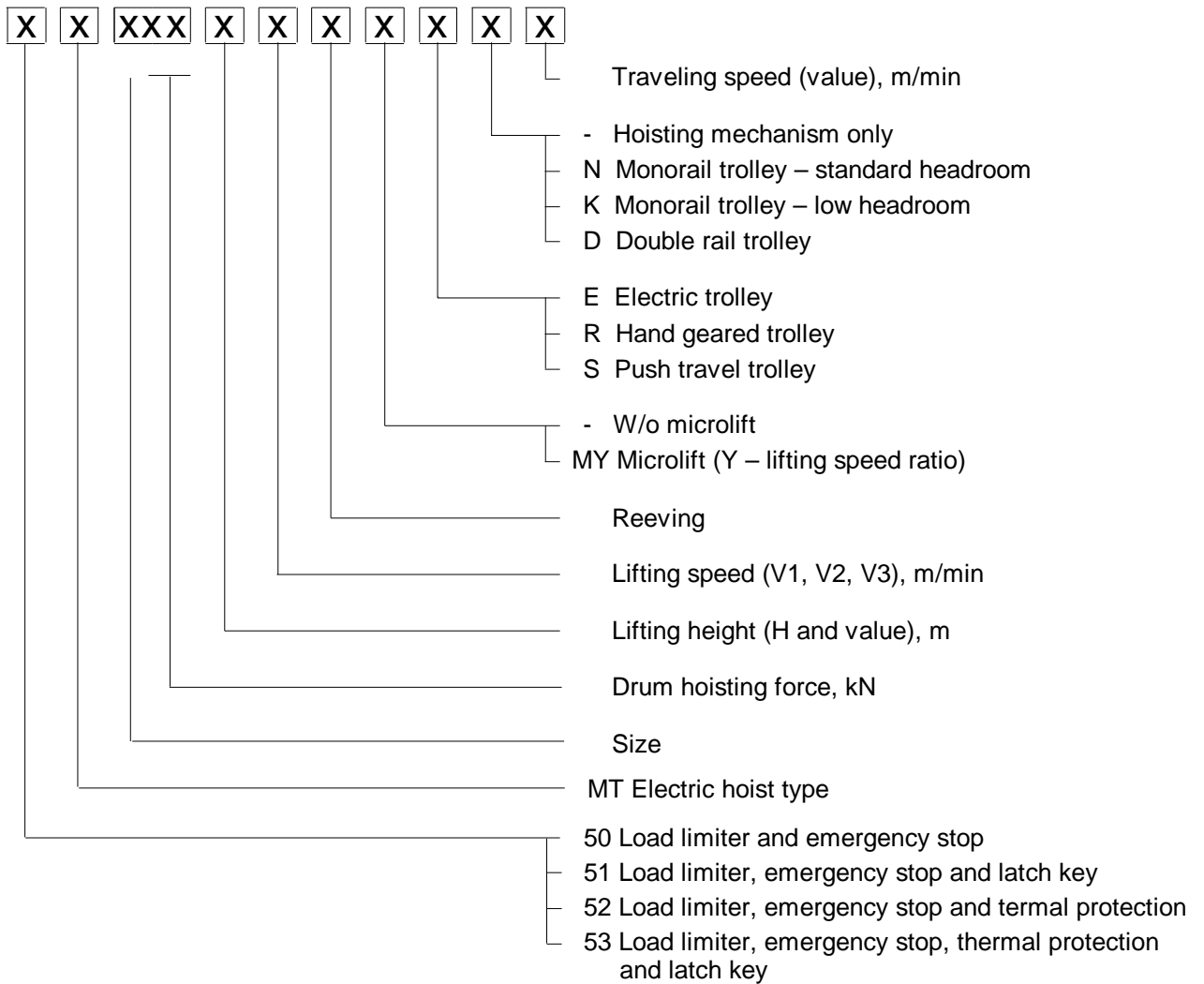
The rope is of the flexible steel stranded type and is chosen and dimensioned in accordance with ISO standards and FEM rules. The end of the rope is fixed by a wedge and in a bracket attachment, able to move in both directions.

ELECTRIC EQUIPMENT

The electric motors are controlled by contactors. The operative circuit, powered with low voltage (42V generally), contains the end limit switches for upper and lower hook position.

The contactors and transformer are situated in a special electrical panel, mounted parallelly to the body, and the end limit switches are in the terminal box of the electric motor.

DESIGNATION



DESIGNATION EXAMPLE

52MT516H12V1-2/1M4EN20

- 52 - Load limiter, emergency stop and thermal protection
- MT - Hoist type
- 516 - Size 516, series 500, drum hoisting force 16 kN
- H12 - Lifting height 12 m
- V1 - Lifting speed V1-8 m/min
- 2/1 - Reeving 2/1
- M4 - Microlift (lifting speed ratio – 4)
- E - Electric trolley
- N - Monorail trolley – standard headroom
- 20 - Traveling speed 20 m/min

SELECTION CRITERIA

When choosing the proper hoist following criteria should be taken into account:

1. What will the maximum loading capacity be?
2. What will the maximum lifting height be?
3. What lifting speed will be needed?
4. What second lifting speed will be needed?
5. What will the operation conditions be?
6. What will the travelling speeds be, if necessary?

The hoist model is to be defined in accordance with the load spectrum, the average operating time per day in hours, the capacity and the reeving.

SELECTION EXAMPLE

Capacity		- 3200 kg
Average lifting height	(H)	- 3 m
Lifting speed	(V)	- 8 m/min
Reeving		- 2/1
Load spectrum		- medium
Cycles per hour	(N)	- 30
Average operating time per day	(T)	- 8 hours

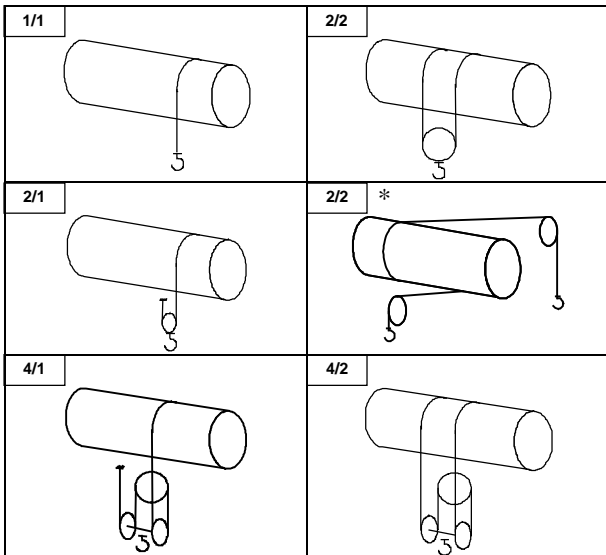
The average operating time per day is given by the following expression:

$$T_m = \frac{2 \cdot H \cdot N \cdot T}{60 \cdot V} = \frac{2 \cdot 3 \cdot 30 \cdot 8}{60 \cdot 8} = 3 \text{ hours}$$

To the "medium" load spectrum and average operating time per day 3 hours the "2m" (M5) group corresponds as shown in the table "LOAD SPECTRUM-CLASS OF OPERATING TIME".

For capacity 3200 kg and 2/1 reeving the hoist models "MT516" are suitable as shown in the table "TYPE SELECTION".

REEVING



LOAD SPECTRUM (Duty operation mode) DEFINITION			CLASS OF OPERATING TIME average operating time per day T_m in hours				
LIGHT	Mechanisms, usually subject to very small loads and in exceptional cases only to maximum loads		2-4	4-8	8-16	>16	
			MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM
MEDIUM	Mechanisms, usually subject to small loads but rather often to maximum loads		1-2	2-4	4-8	8-16	
			HEAVY	HEAVY	HEAVY	HEAVY	HEAVY
HEAVY	Mechanisms, usually subject to medium loads but frequently to maximum loads		0,5-1	1-2	2-4	4-8	
			VERY HEAVY	VERY HEAVY	VERY HEAVY	VERY HEAVY	VERY HEAVY
VERY HEAVY	Mechanisms, usually subject to maximum or almost maximum loads		0,25-0,5	0,5-1	1-2	2-4	
			GROUP	FEM 9.511 / DIN 15 020		1Am	2m
		ISO 4301		M4	M5	M6	M7

TYPE SELECTION

CAPACITY - kg			SERIES	SIZE	
REEVING					
1/1	2/1	4/1			
160	320	-			MT200
200	400	-			MT201
250	500	-	MT250		MT202
320	630	1250			MT303
400	800	1600			MT304
500	1000	2000	MT300		MT305
630	1250	2500			MT406
800	1600	3200			MT408
1000	2000	4000	MT400		MT410
1250	2500	5000			MT512
1600	3200	6300	MT500		MT516
2000	4000	8000			MT620
2500	5000	10000	MT600		MT625
3200	6300	12500			MT725
4000	8000	16000	MT700	MT740	

* Specified on request

OPTIONS TABLE

CAPACITY kg	REEVING 1/1 – 2/2 ¹⁾						
	SIZE	DIN 15020 FEM 9.511	LIFTING HEIGHT , m		LIFTING SPEED , m/min		
			1/1	2/2	V1	V2	V3
160	MT200	4m	12;20;28;42;56;74;84	-	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
200	MT201	3m	12;20;28;42;56;74;84	-	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
250	MT202	2m	12;20;28;42;56;74;84	-	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
320	MT303	4m	12;20;26;40;54;76;84	8;12.5;22;31	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
400	MT304	3m	12;20;26;40;54;76;84	8;12.5;22;31	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
500	MT305	2m	12;20;26;40;54;76;84	8;12.5;22;31	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
630	MT406	4m	11;18;24;40;52;68;78	5;12;18;26	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
800	MT408	3m	11;18;24;40;52;68;78	5;12;18;26	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
1 000	MT410	2m	11;18;24;40;52;68;78	5;12;18;26	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
	MT510	4m	11;18;24;36;50;64;76	10;17;24	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
1 250	MT512	3m	11;18;24;36;50;64;76	10;17;24	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
1 600	MT516	2m	11;18;24;36;50;64;76	10;17;24	16;4/16 2.8/16	24;4/24 2.8/24	32;4.6/32 4/32
	MT616	4m	9;16;22;34;46;-;70	7;15;22	16;4/16 2.8/16	24;4/24 2.8/24	32 -
2 000	MT620	3m	9;16;22;34;46;-;70	7;15;22	16;4/16 2.8/16	24;4/24 2.8/24	32 -
2 500	MT625	2m	9;16;22;34;46;-;70	7;15;22	16;4/16 2.8/16	24;4/24 2.8/24	32 -
	MT725	3m	16;24;34;46;58;70	13;20;27;34	16 3.6/16	-	-
3 200	MT732	2m	16;24;34;46;58;70	13;20;27;34	16 3.6/16	-	-
4 000	MT740	1Am	16;24;34;46;58;70	13;20;27;34	16 3.6/16	-	-

1) Valid for fixed suspension only. Without load limiter

Note: Data for lifting speeds and heights is also given in the tables of the different sizes of electric hoists

OPTIONS TABLE

CAPACITY kg	REEVING 2/1 – 4/2						
	SIZE	DIN 15020 FEM 9.511	LIFTING HEIGHT ¹⁾ , m		LIFTING SPEED, m/min		
			2/1	4/2	V1	V2	V3
320	MT200	4m	6;10;14;21;28;37;42	-	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
400	MT201	3m	6;10;14;21;28;37;42	-	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
500	MT202	2m	6;10;14;21;28;37;42	-	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
630	MT303	4m	6;10;13;20;27;38;42 (5.5;9.5;12.5;19;26)	6.3;11;15.5	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
800	MT304	3m	6;10;13;20;27;38;42 (5.5;9.5;12.5;19;26)	6.3;11;15.5	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
1 000	MT305	2m	6;10;13;20;27;38;42 (5.5;9.5;12.5;19;26)	6.3;11;15.5	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
1 250	MT406	4m	5.5;9;12;20;26;34;39 (5;8.5;11.5;19;25)	6;9;13	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
1 600	MT408	3m	5.5;9;12;20;26;34;39 (5;8.5;11.5;19;25)	6;9;13	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
2 000	MT410	2m	5.5;9;12;20;26;34;39 (5;8.5;11.5;19;25)	6;9;13	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
	MT510	4m	5.5;9;12;18;25;32;38 (5;8.5;11.5;17;24)	5;8.5;12	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
2 500	MT512	3m	5.5;9;12;18;25;32;38 (5;8.5;11.5;17;24)	5;8.5;12	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
3 200	MT516	2m	5.5;9;12;18;25;32;38 (5;8.5;11.5;17;24)	5;8.5;12	8;2/8 1.4/8	12;2/12 1.4/12	16;2.3/16 2/16
	MT616	4m	4.5;8;11;17;23;-;35 (-;7;11;17;22)	3.6;8.5;11	8;2/8 1.4/8	12;2/12 1.4/12	16 -
4 000	MT620	3m	4.5;8;11;17;23;-;35 (-;7;11;17;22)	3.6;8.5;11	8;2/8 1.4/8	12;2/12 1.4/12	16 -
5 000	MT625	2m	4.5;8;11;17;23;-;35 (-;7;11;17;22)	3.6;8.5;11	8;2/8 1.4/8	12;2/12 1.4/12	16 -
	MT725	3m	8;12;17;23;29;35 (7.5;11.5;16;22;28;34)	6.5;10;13.5; 17	8 1.8/8	-	-
6 300	MT732	2m	8;12;17;23;29;35 (7.5;11.5;16;22;28;34)	6.5;10;13.5; 17	8 1.8/8	-	-
8 000	MT740	1Am	8;12;17;23;29;35 (7.5;11.5;16;22;28;34)	6.5;10;13.5; 17	8 1.8/8	-	-

1) The data given in brackets refers to low headroom models with monorail trolley

Note: Data for lifting speeds and heights is also given in the tables of the different sizes of electric hoists

OPTIONS TABLE

CAPACITY kg	REEVING 4/1					
	SIZE	DIN 15020 FEM 9.511	LIFTING HEIGHT ¹⁾ , m	LIFTING SPEED, m/min		
			4/1	V1	V2	V3
1 250	MT303	4m	6.5;10;13.5 (6.3;9.5;13)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
1 600	MT304	3m	6.5;10;13.5 (6.3;9.5;13)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
2 000	MT305	2m	6.5;10;13.5 (6.3;9.5;13)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
2 500	MT406	4m	6;10;13 (5.7;9.5;12.5)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
3 200	MT408	3m	6;10;13 (5.7;9.5;12.5)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
4 000	MT410	2m	6;10;13 (5.7;9.5;12.5)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
	MT510	4m	6;9;12.5 (5.7;8.5;12)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
5 000	MT512	3m	6;9;12.5 (5.7;8.5;12)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
6 300	MT516	2m	6;9;12.5 (5.7;8.5;12)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
	MT616	4m	5.5;8.5;11.5 (5.5;8.5;11)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
8 000	MT620	3m	5.5;8.5;11.5 (5.5;8.5;11)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
10 000	MT625	2m	5.5;8.5;11.5 (5.5;8.5;11)	4;1.0/4 0.7/4	6;1.0/6 0.7/6	-
	MT725	3m	8.5;11.5;14.5;17.5 (8;11;14;17)	4 0.9/4	-	-
12 500	MT732	2m	8.5;11.5;14.5;17.5 (8;11;14;17)	4 0.9/4	-	-
16 000	MT740	1Am	8.5;11.5;14.5;17.5 (8;11;14;17)	4 0.9/4	-	-

1) The data given in brackets refers to low headroom models with monorail trolley

Note: Data for lifting speeds and heights is also given in the tables of the different sizes of electric hoists

MT200 Basic parameters

Modification	Reev-ing	Lifting height m							Lifting speed m/min						Rated power of the lifting electric motor kW ⁴⁾		Rated power of the trolley electric motor kW ⁴⁾				
									V1		V2		V3								
		H1	H2	H3	H4	H5	H6	H7	MT...	MT...M	MT...	MT...M	MT...	MT...M							
1	1/1	12	20	28	42	56	74	84	16	4/16 2.8/16	24	4/24 2.8/24	-	-	V1	MT... MT...M	0.75 0.16/0.75 0.15/0.75	20 m/min	0.12		
		-	-	-	42	56	74	84	-	-	-	-	32	4/32 4.6/32						V2	MT... MT...M
2	2/1	6	10	14	21	28	37	42	8	2/8 1.4/8	12	2/12 1.4/12	-	-	V3	MT... MT...M	4.5 0.7/4.5 0.5/4.5	32 m/min	0.18		
		-	-	-	21	28	37	42	-	-	-	-	16	2/16 2.3/16						Travel speed ²⁾ m/min	
8 ¹⁾ 6	2/1	6	10	14	21	28	37	42	8	2/8 1.4/8	12	2/12 1.4/12	-	-	20	32	90	130	1.5		
		-	-	-	21	28	-	-	-	-	-	-	16	2/16 2.3/16						90	1.5
		-	-	-	-	-	37	42	-	-	-	-	16	2/16 2.3/16						130	2.5
																90	1.5				

1) - Hand pushed

2) - Other travel speeds available: 8; 10; 12; 15; 4/12; 5/15; 6/20; 10/32 m/min

3) – Maximum railway profile width – 300 mm

4) – The revolutions of the lifting electric motors are: at V1 – 910 min⁻¹; V2 – 1360 min⁻¹; 1400 min⁻¹

The revolutions of the trolley electric motors are: at 20 m/min – 820 min⁻¹; 32 m/min – 1440 min⁻¹

MT200 Weight, kg^{1),2)}

Lifting height	Modification							
	1; 2				6; 8			
	...V1 ...V2	...V1...M ...V2...M	...V3	...V3...M	...V1 ...V2	...V1...M ...V2...M	...V3	...V3...M
H1	90	107	-	-	122	140	-	-
H2	95	112	-	-	128	145	-	-
H3	100	117	-	-	131	148	-	-
H4	113	130	215	258	198	215	301	345
H5	122	139	232	276	207	224	318	362
H6	238	282	238	282	331	375	332	375
H7	259	304	260	304	352	398	353	397

1) - The second brake increases the weight by 7 kg.

2) – For travel speeds as per 2) (see above) the weight increases by up to 5%.

MT200 Dimensions, mm

	V1, V2							V3			
	Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8			
	H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7
B1	555					645		645			
B2	295					325		325			
B3	28					28		28			
B4	105.5					127.5		127.5			
B5	49.5					52.5		52.5			
B6	49.5					52.5		52.5			
B7	89					124		124			
B8	50					36		36			
B13	90+300					90+300		130+300		90+300	
B14	305+95					305+95		293+123		305+95	
B15	205+305					205+305		265+235		205+305	
B16	400					465		465			
B17	155					180		180			
B22	300					300		405		300	
B36	28					28		28			
C1	321					365		365			
C2	140					140		200		140	
C3	118		195			205		152		205	
C4	33					33		42		33	
C8	212					212		270		212	
D1	Ø15					Ø17		Ø17			
D2	M14					M20		M20			
D3	120					120		175		120	
L1 ¹⁾	640 (690)	730 (770)	810 (850)	970 (1010)	1130 (1170)	1220 (1285)	1290 (1385)	1020 (1085)	1070 (1135)	1220 (1285)	1290 (1355)
L2	280	325	365	445	525	560	595	460	485	560	595
L3	179	269	349	509	669	641	711	441	491	641	711
L4	60	105	145	225	305	294	329	194	219	294	329
L5	75	119	159	239	319	311	346	211	236	311	346
L6	32	77	77	157	237	207	237	107	127	207	237
L7	35	35	75	75	75	92	97	92	97	92	97
L14	225					225		280		225	
L15	410					410		530		410	
L16				860	1020	960	1040			960	1040
L17				450	610	550	630			550	630
L27	95					100		100			

1) – The dimensions in brackets refer to modifications with microlift

Modifications	1		2		6,8		
	V1,V2	V3	V1,V2	V3	V1,V2	V3	
C	H1	380	420	470	850	1000	
	H2						
	H3						
	H4				450		925
	H5						
	H6						990
	H7						

MT300 Basic parameters

Modification	Reeving	Lifting height m							Lifting speed m/min						Rated power of the lifting electric motor kW ⁴⁾		Rated power of the trolley electric motor kW ⁴⁾			
									V1		V2		V3							
		H1	H2	H3	H4	H5	H6	H7	MT...	MT...M	MT...	MT...M	MT...	MT...M						
1	1/1	12	20	26	40	54	76	84	16	4/16 2.8/16	24	4/24 2.8/24	-	-	V1	MT... MT...M	1.5 0.33/1.5 0.3/1.5	20	0.12	
		-	-	-	40	54	76	84	-	-	-	-	32	4/32 4.6/32				24	2x0.09 (2x0.12) ⁵⁾	
2	2/1	6	10	13	20	27	38	42	8	2/8 1.4/8	12	2/12 1.4/12	-	-	V2	MT... MT...M	2.3 0.33/2.2 0.3/2.2	30	2x0.09 (2x0.18) ⁵⁾	
		-	-	-	20	27	38	42	-	-	-	-	16	2/16 2.3/16				32	0.18	
3	4/1	-	-	6.5	10	13.5	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-	V3	MT... MT...M	4.5 0.7/4.5 0.5/4.5	32	0.18	
5	4/2	-	-	6.3	11	15.5	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-				Travel speed ²⁾ m/min	Railway profile width min ³⁾ ,mm	Curve radius min, m
4	2/2	-	8	12.5	22	31	-	-	16	4/16 2.8/16	24	4/24 2.8/24	-	-						
8 ¹⁾ 6	2/1	6	10	13	20	27	38	42	8	2/8 1.4/8	12	2/12 1.4/12	-	-	20	32	90	1.5		
		-	-	-	20	-	-	-	-	-	-	-	16	2/16 2.3/16				130	2.5	
		-	-	-	-	27	38	42	-	-	-	-	16	2/16 2.3/16				90	1.5	
7	4/1	-	-	6.5	10	13.5	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-	24	30	106	-		
12 ¹⁾ 10	2/1	5.5	9.5	12.5	19	26	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-					20	32
11	4/1	-	-	6.3	9.5	13	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-	20	32	130	2.5		
9	4/2	-	-	6.3	11	15.5	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-						

1) - Hand pushed

2) - Other travel speeds available: for modifications 6, 7 and 9 – 8; 10; 12; 15; 4/12; 5/15; 6/20; 10/32 m/min

for modification 10 and 11 – 12; 15; 20; 38; 3/12; 4/15; 5/20; 6/24; 7.5/30 9.5/38m/min

3) – Maximum railway profile width – 300 mm

4) – Revolutions of the lifting electric motors: at V1 – 910 min⁻¹; V2 – 1360 min⁻¹; 1400 min⁻¹

Revolutions of the trolley electric motors: for modifications 6, 7 and 9 – 20 m/min – 870 min⁻¹; 32 m/min – 1250 min⁻¹

for modifications 10 and 11 – 2700 min⁻¹

5) – Only for low headroom and reeving 4/1

MT300 Weight, kg^{1),2)}

Lifting height	Modification									
	1; 2				3		5		4	
	...V1 ...V2	...V1...M ...V2...M	...V3	...V3...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M
H1	102	124	-	-	-	-	-	-	-	-
H2	109	131	-	-	-	-	-	-	105	126
H3	118	140	-	-	125	148	143	165	114	139
H4	130	152	235	278	149	172	155	177	128	150
H5	142	163	250	294	179	202	167	188	141	162
H6	272	316	273	316	-	-	-	-	-	-
H7	291	335	292	335	-	-	-	-	-	-

Lifting height	Modification											
	6; 8				7		10; 12		11		9	
	...V1 ...V2	...V1...M ...V2...M	...V3	...V3...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M
H1	130	152	-	-	-	-	210	242	-	-	-	-
H2	135	157	-	-	-	-	220	249	-	-	-	-
H3	144	166	-	-	262	284	230	258	250	278	169	254
H4	207	229	314	357	264	286	250	280	270	300	232	266
H5	220	242	330	373	280	301	270	300	290	320	381	426
H6	356	401	357	401	-	-	-	-	-	-	-	-
H7	375	420	376	420	-	-	-	-	-	-	-	-

1) - The second brake increases the weight by 7 kg.

2) – For travel speeds as per 2) (see above) the weight increases by up to 5 %.

MT300 Dimensions, mm

	V1, V2							V3					V1, V2							V3				
	Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8					Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8				
	H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7		H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7	
B1 ²⁾	555(636)					645(725)		645(725)				C6			155	195								
B2	295					325		325				C7			34	33								
B3	34					34		34				C8	212			212		270	212					
B4	105.5					127.5		127.5				C9	415											
B5	49.5					52.5		52.5				C10	190											
B6 ²⁾	49.5(130.5)					52.5(132.5)		52.5(132.5)				C11	117											
B7	90					125		125				C12	415											
B8	50					36		36				C13	190											
B9	630											C14	117											
B10	40											C15 ³⁾												
B11	22.5											C16 ³⁾												
B12	124.5											C17 ³⁾												
B13	90+300					90+300		130+	90+300			D1	Ø15			Ø17		Ø17						
								300				D2	M14			M20		M20						
B14	305+95					305+95		293+	305+95			D3	120			120		175	120					
								123				D4			175	120								
B15	205+305					205+305		265+	205+305			D5	100											
								235				D6	100											
B16	400					465		465				L1 ¹⁾	705	810	910	1110	1310	1420	1510	1070	1220	1420	1510	
B17	155					180		180					(745)	(850)	(950)	(1150)	(1350)	(1485)	(1575)	(1135)	(1285)	(1485)	(1575)	
B18	293+		305+95							L2	300	355	405	505	605	665	705	485	560	665	705			
	123									L3	224	329	429	629	829	841	931	491	641	841	931			
B19	265+		205+305							L4	80	133	183	283	383	369	413	190	269	369	413			
	335									L5	95	147	197	297	397	399	444	220	299	399	444			
B20	400											L6	45	98	98	198	298	295	335	115	195	295	335	
B21	230											L7	42	42	92	92	92	90	95	95	90	90	90	95
B22	300					300		405	300			L8			102	202	302							
B23	106+200(300)											L9			-8	-58	-108							
B24	315+415											L10	50											
B25	450											L11	50											
B26	160											L12			138	186	287	387						
B27	535+340											L13			138	186	287	387						
B28	46											L14	225			225		280	225					
B29	16.5											L15	410			410		530	410					
B30	315+415											L16			980	1180	1160	1260			960	1160	1260	
B31	450											L17			570	770	750	850			550	750	850	
B32	535+340											L18			280	225								
B33	16.5											L19			530	410								
B34 ³⁾												L20			1010	1210								
B35 ³⁾												L21			600	800								
B36	28					28		28				L22	289	394	494	694	894							
C1	321					365		365				L23	32	32	87	87	87							
C2	140					140		200	140			L24	52	104	100	200	300							
C3	118		195			152		205			L25			32	132	231								
C4	33					33		42	33			L26			62	12	-38							
C5	200		140									L27	95			100		100						

- 1) – The dimensions in brackets refer to modifications with microlift
- 2) – The dimensions in brackets refer to modifications with load limiter
- 3) – The dimensions will be given on customer's request/order

Modifications	1		2		3	5	6		7	8		9	10	11	12				
	V1,V2	V3	V1,V2	V3	V1,V2	V1,V2	V1,V2	V3	V1,V2	V1,V2	V3	V1,V2	V1,V2	V1,V2	V1,V2				
C	H1	450	520	450	415	470	965	900	930	965	1000	980	605	670	605				
	H2															890	890	560	560
	H3															890	905	570	
	H4															900	900		
	H5															930	980		
	H6															1000	1000		
	H7															1000	1000		

MT400 Basic parameters

Modification	Reeving	Lifting height m							Lifting speed m/min						Rated power of the lifting electric motor kW ⁴⁾		Rated power of the trolley electric motor kW ⁴⁾			
		H1	H2	H3	H4	H5	H6	H7	V1		V2		V3		MT... MT...M	3 0.7/3.0 0.5/3.0	20 m/min	0.25		
									MT...	MT...M	MT...	MT...M	MT...	MT...M						
1	1/1	11	18	24	40	52	68	78	16	4/16 2.8/16	24	4/24 2.8/24	-	-	V1	MT... MT...M	24 m/min	2x0.09 (2x0.24) ⁵⁾		
		-	-	-	40	52	68	78	-	-	-	-	32	4.6/32 4/32	V2	MT... MT...M				
2	2/1	5.5	9	12	20	26	34	39	8	2/8 1.4/8	12	2/12 1.4/12	-	-	V3	MT... MT...M	32 m/min	0.37		
		-	-	-	20	26	34	39	-	-	-	-	16	2.3/16 2/16						
3	4/1	-	-	6	10	13	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-						
5	4/2	-	-	6	9	13	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-						
4	2/2	-	5	12	18	26	-	-	16	4/16 2.8/16	24	4/24 2.8/24	-	-						
8 ¹⁾ 6	2/1	5.5	9	12	20	26	34	39	8	2/8 1.4/8	12	2/12 1.4/12	-	-			20	32	130	2.5
		-	-	-	20	26	34	39	-	-	-	-	16	2.3/16 2/16						
7	4/1	-	-	6	10	13	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-						
12 ¹⁾ 10	2/1	5	8.5	11.5	19	25	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-			24	30	120	-
11	4/1	-	-	5.7	9.5	12.5	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-						
9	4/2	-	-	6	9	13	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-			20	32	130	2.5

1) - Hand pushed

2) - Other travel speeds available: for modifications 6, 7 and 9 – 8; 10; 12; 15; 4/12; 5/15; 6/20; 10/32 m/min

for modification 10 and 11 – 12; 15; 20; 38; 3/12; 4/15; 5/20; 6/24; 7.5/30; 9.5/38 m/min

3) – Maximum railway profile width – 300 mm

4) – Revolutions of the lifting electric motors: at V1 – 910 min⁻¹; V2 – 1360 min⁻¹; 1400 min⁻¹

Revolutions of the trolley electric motors: for modifications 6, 7 and 9 – 20 m/min – 870 min⁻¹; 32 m/min – 1250 min⁻¹

for modifications 10 and 11 – 2700 min⁻¹

5) – Only for low headroom and reeving 4/1

MT400 Weight, kg^{1),2)}

Lifting height	Modification									
	1; 2				3		5		4	
	...V1 ...V2	...V1...M ...V2...M	...V3	...V3...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M
H1	197	240	-	-	-	-	-	-	-	-
H2	211	255	-	-	-	-	-	-	200	244
H3	220	264	-	-	299	343	250	295	214	258
H4	254	297	415	463	327	371	284	330	252	296
H5	277	321	462	514	359	409	305	350	276	320
H6	540	600	540	600	-	-	-	-	-	-
H7	560	620	560	620	-	-	-	-	-	-

Lifting height	Modification											
	6; 8				7		10; 12		11		9	
	...V1 ...V2	...V1...M ...V2...M	...V3	...V3...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M	...V1 ...V2	...V1...M ...V2...M
H1	276	320	-	-	-	-	350	400	-	-	-	-
H2	290	334	-	-	-	-	370	415	-	-	-	-
H3	299	344	-	-	437	482	385	435	435	485	330	375
H4	436	481	620	662	577	621	420	465	475	520	466	515
H5	460	504	650	702	615	765	450	490	505	545	490	540
H6	656	756	694	756	-	-	-	-	-	-	-	-
H7	675	775	713	775	-	-	-	-	-	-	-	-

1) - The second brake increases the weight by 11 kg.

2) – For travel speeds as per 2) (see above) the weight increases by up to 5%.

MT400 Dimensions, mm

	V1, V2							V3					V1, V2							V3			
	Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8					Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8			
	H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7		H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7
B1 ²⁾	645(725)						753(829)	753(829)				C9	433										
B2	325						390	390				C10	220										
B3	40						40	40				C11	126										
B4	127.5						157	157				C12	433										
B5	52.5						59	59				C13	220										
B6 ²⁾	52.5(133)						59(135)	59(135)				C14	126										
B7	125.5						160	160				C15 ³⁾											
B8	36						38	38				C16 ³⁾											
B9	720											C17 ³⁾											
B10	50											D1	Ø17							Ø21	Ø21		
B11	8											D2	M20							M24	M24		
B12	126.5											D3	175							175	175		
B13	130+300						130+300	130+300				D4	175										
B14	293+123						293+123	293+123				D5	125										
B15	265+335						265+335	265+335				D6	125										
B16	465						537	537				L1 ¹⁾	805	915	1015	1212	1415	1525	1630	1350	1560	1665	
B17	180						216	216					(870)	(980)	(1080)	(1280)	(1480)	(1615)	(1720)	(1400)	(1610)	(1715)	
B18	293+123											L2	355	410	460	560	660	700	750	595	700	750	
B19	265+335											L3	231	341	441	641	841	873	978	663	873	978	
B20	465											L4	64	119	169	269	369	377	429	272	377	429	
B21	255											L5	94	149	199	299	399	407	460	302	407	460	
B22	405						405	405				L6	40	95	95	195	295	302	355	200	302	355	
B23	120+300											L7	40	40	90	90	90	90	90	90	90	90	
B24	340+440											L8	83							183	283		
B25	510											L9	9							-41	-91		
B26	215											L10	60										
B27	570+390											L11	60										
B28	60											L12	172							272	372		
B29	10.5											L13	172							272	372		
B30	340+440											L14	280							280	280		
B31	510											L15	530							530	530		
B32	570+390											L16	980							1180	1445	1620	
B33	10.5											L17	570							770	915	1090	
B34 ³⁾												L18	280										
B35 ³⁾												L19	530										
B36	34						34	34				L20	1230							1430			
C1	365						430	430				L21	700							900			
C2	200						200	200				L22	528	628	716	716	916						
C3	152		245				245	245				L23	33	33	79	114	114						
C4	42		37				37	37				L24	50	105	110	175	275						
C5	200											L25	55							95	195		
C6			155	240				240	240				L26	97.5							49	-1	
C7			34	37				37	37				L27	100							105	105	
C8	270						270	270															

- 1) – The dimensions in brackets refer to modifications with microlift
- 2) – The dimensions in brackets refer to modifications with load limiter
- 3) – The dimensions will be given on customer's request/order

Modifications	1		2		3	5	6		7	8		9	10	11	12
	V1,V2	V3	V1,V2	V3	V1,V2	V1,V2	V1,V2	V3	V1,V2	V1,V2	V3	V1,V2	V1,V2	V1,V2	V1,V2
C	H1	500	550	600	525	515	1160	1270	1130	1160	1270	1125	590	640	590
	H2														
	H3														
	H4														
	H5														
	H6														
	H7														

MT500 Basic parameters

Modifi- cation	Reev- ing	Lifting height m							Lifting speed m/min						Rated power of the lifting electric motor kW ⁴⁾		Rated power of the trolley electric motor kW ⁴⁾		
									V1		V2		V3						
		H1	H2	H3	H4	H5	H6	H7	MT...	MT...M	MT...	MT...M	MT...	MT...M					
1	1/1	11	18	24	36	50	64	76	16	4/16 2.8/16	24	4/24 2.8/24	-	-	V1	MT...	4.5	20	0.25
		-	-	-	36	50	64	76	-	-	-	-	32	4.6/32 4/32		MT...M	1.0/4.8 0.8/4.8	24	2x0.18 (2x0.24) ⁵⁾
2	2/1	5.5	9	12	18	25	32	38	8	2/8 1.4/8	12	2/12 1.4/12	-	-	V2	MT...	7.5	30	2x0.24 (2x0.3) ⁵⁾
		-	-	-	-	25	32	38	-	-	-	-	16	2.3/16 2/16		MT...M	1.0/7.5 0.8/7.5	m/min	
3	4/1	-	-	6	9	12.5	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-	V3	MT...	12	32	0.37
5	4/2	-	-	5	8.5	12	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-		MT...M	1.7/12 1.5/12	m/min	
4	2/2	-	-	10	17	24	-	-	16	4/16 2.8/16	24	4/24 2.8/24	-	-	Travel speed ²⁾ m/min		Railway profile width min ³⁾ ,mm	Curve radius min, m	
8 ¹⁾ 6	2/1	5.5	9	12	18	25	32	38	8	2/8 1.4/8	12	2/12 1.4/12	-	-	20	32	130	2.5	
7		4/1	-	-	6	9	12.5	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-					-
12 ¹⁾ 10	2/1	5	8.5	11.5	17	24	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-	24	30	120	-	
11	4/1	-	-	5.7	8.5	12	-	-	4	1/4 0.7/4	6	1/6 0.7/6	-	-			130		
9	4/2	-	-	5	8.5	12	-	-	8	2/8 1.4/8	12	2/12 1.4/12	-	-	20	32	130	2.5	

1) - Hand pushed

2) - Other travel speeds available: for modifications 6, 7 and 9 – 8; 10; 12; 15; 4/12; 5/15; 6/20; 10/32 m/min
for modification 10 – 12; 15; 20; 38; 3/12; 4/15; 5/20; 6/24; 7.5/30; 9.5/38 m/min
for modification 11 – 12; 15; 20; 3/12; 4/15; 5/20; 6/24; 7.5/30 m/min

3) – Maximum railway profile width – 300 mm

4) – Revolutions of the lifting electric motors: at V1 – 910 min⁻¹; V2 – 1360 min⁻¹; 1400 min⁻¹

Revolutions of the trolley electric motors: for modifications 6, 7 and 9 – 20 m/min – 870 min⁻¹; 32 m/min – 1250 min⁻¹
for modifications 10 and 11 – 2700 min⁻¹

5) – Only for low headroom and reeving 4/1

MT500 Weight, kg^{1),2)}

Lifting height	Modification															
	1; 2					3			5			4				
	...V1	...V2	...V1...M ...V2...M	...V3	...V3...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2
H1	228	238	293	-	-	-	-	-	-	-	-	-	-	-	-	-
H2	242	252	307	-	-	-	-	-	-	-	-	-	-	-	-	-
H3	257	267	321	-	-	300	310	365	292	302	360	247	257	312	-	-
H4	295	305	360	465	520	335	345	400	330	340	395	276	286	341	-	-
H5	323	333	388	508	563	383	393	443	358	368	425	304	314	369	-	-
H6	499	540	595	540	595	-	-	-	-	-	-	-	-	-	-	-
H7	523	563	618	563	618	-	-	-	-	-	-	-	-	-	-	-

Lifting height	Modification																
	6; 8					7			10; 12			11			9		
	...V1	...V2	...V1...M ...V2...M	...V3	...V3...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M
H1	309	319	374	-	-	-	-	-	451	461	515	-	-	-	-	-	-
H2	323	333	388	-	-	-	-	-	485	495	550	-	-	-	-	-	-
H3	337	347	402	-	-	556	566	621	520	530	585	560	570	625	372	382	435
H4	479	489	549	652	710	676	686	741	555	565	620	595	605	660	515	525	580
H5	507	517	572	694	755	735	745	810	590	600	655	610	620	675	545	555	610
H6	685	725	785	725	785	-	-	-	-	-	-	-	-	-	-	-	-
H7	709	750	810	750	810	-	-	-	-	-	-	-	-	-	-	-	-

1) - The second brake increases the weight by 11 kg.

2) – For travel speeds as per 2) (see above) the weight increases by up to 5 %.

MT500 Dimensions, mm

	V1, V2							V3					V1, V2							V3				
	Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8					Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8				
	H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7		H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7	
B1 ²⁾	645(725)			753(829)				753(829)				C9	433											
B2	325			390				390				C10	220											
B3	45			45				45				C11	126											
B4	127.5			157				157				C12	340											
B5	52.5			59				59				C13	306											
B6 ²⁾	52.5(133)			59(135)				59(135)				C14	35											
B7	129.5			160				160				C15 ³⁾												
B8	34			38				38				C16 ³⁾												
B9	720											C17 ³⁾												
B10	56											D1	Ø17							Ø21				
B11	7.5											D2	M20							M24				
B12	126.5											D3	175							175				
B13	130+300			130+300				130+300				D4	210 175											
B14	293+123			293+123				293+123				D5	125											
B15	265+335			265+335				265+335				D6	160											
B16	465			537				537				L1 ¹⁾	850	970	1080	1300	1520	1630	1805	1350	1560	1665	1840	
B17	180			216				216				V1	(935)	(1055)	(1165)	(1385)	(1605)	(1720)	(1895)	(1405)	(1615)	(1720)	(1895)	
B18	297+147 ⁴⁾		293+123										L1 ¹⁾	880	1000	1110	1330	1550	1665	1840				
B19	290+365 ⁴⁾		265+335										V2	(935)	(1055)	(1165)	(1385)	(1605)	(1720)	(1895)				
B20	465											L2	370	430	485	595	705	750	840	595	700	750	840	
B21	255											L3	261	381	491	711	931	978	1153	663	873	978	1153	
B22	405			405				405				L4	84	134	189	299	409	450	537	290	395	450	537	
B23	130+300											L5	103	173	228	338	448	470	560	315	410	470	560	
B24	340+440											L6	50	110	115	225	335	355	442	200	305	355	442	
B25	510											L7	45	45	95	95	95	90	90	88	88	90	90	
B26	215											L8	92			202	312							
B27	570+390											L9	13			-42	-97							
B28	60											L10	60											
B29	10.5											L11	60											
B30	375+475											L12	142			197	307	417						
B31	520											L13	142			197	307	417						
B32	585+415											L14	280							280				
B33	-4											L15	530							530				
B34 ³⁾												L16	1160			1380	1445	1620	1130	1340	1445	1620		
B35 ³⁾												L17	630			850	915	1090	600	810	915	1090		
B36	40			40				40				L18	310			280								
C1	365			430				430				L19	590			530								
C2	200			200				200				L20	1200 1320											
C3	152		245		245				245				L21	770			990							
C4	42		37		37				37				L22	658	716	806	806	1026						
C5	230		200										L23	28.5	28.5	66.5	156.5	156.5						
C6	165		240										L24	65	125	142	162	272						
C7	33		37										L25	-16			94	204						
C8	270			270				270				L26	120			65	10							
												L27	100							105				

- 1) – The dimensions in brackets refer to modifications with microlift
- 2) – The dimensions in brackets refer to modifications with load limiter
- 3) – The dimensions will be given on customer's request/order
- 4) – Valid for H3 only

Modifications	1		2		3	5	6		7	8		9	10	11	12
	V1,V2	V3	V1,V2	V3	V1,V2	V1,V2	V1,V2	V3	V1,V2	V1,V2	V3	V1,V2	V1,V2	V1,V2	V1,V2
C	H1	570	620	670	565	580	1230	1340	1170	1230	1340	1190	695	650	695
	H2														
	H3														
	H4														
	H5														
	H6														
	H7														

MT600 Basic parameters

Modification	Reev-ing	Lifting height m							Lifting speed m/min						Rated power of the lifting electric motor kW ⁴⁾		Rated power of the trolley electric motor kW ⁴⁾		
									V1		V2		V3						
		H1	H2	H3	H4	H5	H6	H7	MT...	MT...M	MT...	MT...M	MT...	MT...M					
1	1/1	9	16	22	34	46	-	70	16	4/16 3/16	24	4/24 2.8/24	-	-	V1	MT... MT...M	8 1.7/8 1.5/8	20 m/min 24	0.25 (2x0.24) ⁵⁾
		-	-	-	34	46	-	70	-	-	-	-	32	-	V2	MT... MT...M	12 1.7/12.5 1.5/12.5	30 m/min	(2x0.24) ⁵⁾
2	2/1	4.5	8	11	17	23	-	35	8	2/8 1.5/8	12	2/12 1.4/12	-	-	V3	MT... MT...M	15.5 -	32 m/min	0.55
		-	-	-	17	23	-	35	-	-	-	-	16	-					
3	4/1	-	-	5.5	8.5	11.5	-	-	4	1/4 0.75/4	6	1/6 0.7/6	-	-					
5	4/2	-	-	3.5	7.5	11	-	-	8	2/8 1.5/8	12	2/12 1.4/12	-	-	Travel speed ²⁾ m/min		Railway profile width min ³⁾ ,mm	Curve radius min, m	
4	2/2	-	-	7	15	22	-	-	16	4/16 3/16	24	4/24 2.8/24	-	-					
8 ¹⁾ 6	2/1	4.5	8	11	-	-	-	-	8	2/8 1.5/8	12	2/12 1.4/12	-	-	20	32	130		3.5
		-	-	-	17	23	-	-	8	2/8 1.5/8	12	2/12 1.4/12	-	-					2.5
		-	-	-	17	23	-	35	8	2/8 1.5/8	12	2/12 1.4/12	16	-					3.5
7	4/1	-	-	5.5	8.5	11.5	-	-	4	1/4 0.75/4	6	1/6 0.7/6	-	-	24	30			-
12 ¹⁾ 10	2/1	-	7	11	17	22	-	-	8	2/8 1.5/8	12	2/12 1.4/12	-	-					
11	4/1	-	-	5.5	8.5	11	-	-	4	1/4 0.75/4	6	1/6 0.7/6	-	-	20	32			2.5
9	4/2	-	-	3.5	7.5	11	-	-	8	2/8 1.5/8	12	2/12 1.4/12	-	-					

1) - Hand pushed

2) - Other travel speeds available: for modifications 6, 7 and 9 – 8; 10; 12; 15; 4/12; 5/15; 6/20; 10/32 m/min

for modification 10 – 12; 15; 20; 38; 3/12; 4/15; 5/20; 6/24; 7.5/30 m/min

for modification 11 – 12; 15; 20; 38; 3/12; 4/15; 5/20; 6/24; 7.5/30; 9.5/38 m/min

3) – Maximum railway profile width – 300 mm

4) – Revolutions of the lifting electric motors: at V1 – 910 min⁻¹; V2 – 1360 min⁻¹; 1400 min⁻¹

Revolutions of the trolley electric motors: for modifications 6, 7 and 9 – 20 m/min – 870 min⁻¹; 32 m/min – 1250 min⁻¹

for modifications 10 and 11 – 2700 min⁻¹

5) – Only for low headroom and reeving 4/1

MT600 Weight, kg^{1),2)}

Lifting height	Modification												
	1; 2				3			5			4		
	...V1	...V2	...V1...M ...V2...M	...V3	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M
H1	342	382	442	-	-	-	-	-	-	-	-	-	-
H2	361	404	461	-	-	-	-	-	-	-	-	-	-
H3	380	420	480	-	500	540	600	430	470	530	380	420	480
H4	437	477	537	740	565	605	665	487	527	587	437	477	537
H5	485	525	585	800	610	650	710	535	575	635	485	525	585
H7	798	860	860	860	-	-	-	-	-	-	-	-	-

Lifting height	Modification															
	6; 8				7			10; 12			11			9		
	...V1	...V2	...V1...M ...V2...M	...V3	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M	...V1	...V2	...V1...M ...V2...M
H1	464	504	564	-	-	-	-	-	-	-	-	-	-	-	-	
H2	483	523	583	-	-	-	-	695	735	795	-	-	-	-	-	
H3	502	542	602	-	880	920	980	710	750	810	850	890	950	790	830	
H4	623	663	723	915	947	987	1047	785	825	885	930	970	1030	865	925	
H5	671	711	771	964	1002	1045	1100	840	880	940	985	1025	1085	920	960	
H7	988	1060	1060	1060	-	-	-	-	-	-	-	-	-	-	-	

1) - The second brake increases the weight by 16 kg.

2) – For travel speeds as per 2) (see above) the weight increases by up to 5 %.

MT600 Dimensions, mm

	V1, V2							V3					V1, V2							V3				
	Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8					Modifications-1,2,3,4,5,6,7,8,9,10,11,12							1,2,6,8				
	H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7		H1	H2	H3	H4	H5	H6	H7	H4	H5	H6	H7	
B1 ²⁾	753(829)			880(969)				880(969)				C9	360											
B2	390			475				475				C10	347											
B3	50			50				50				C11	62											
B4	157			186.5				186.5				C12	340											
B5	59			80.5				80.5				C13	386											
B6 ²⁾	59(135)			80.5(170)				80.5(170)				C14	42											
B7	161			179				179				C15 ³⁾												
B8	37			56				56				C16 ³⁾												
B9	846											C17 ³⁾												
B10	71											D1	Ø21							Ø25				
B11	15											D2	M24							M27				
B12	145.5											D3	210			175				175				
B13	150+300		150+300		150+300		130+300				D4	210												
B14	297+147		293+123		293+123		293+123				D5	160												
B15	290+365		265+335		265+335		265+335				D6	200												
B16	537			615				615				L1 ¹⁾	890	995	1100	1310	1520		1920	1480	1580		1920	
B17	216			267				267				V1	(980)	(1085)	(1190)	(1400)	(1610)		(1995)					
B18	297+147											L1 ¹⁾	925	1030	1135	1345	1555							
B19	290+365											V2	(980)	(1085)	(1190)	(1400)	(1610)							
B20	537											L2	380	430	485	590	695		900	660	710		900	
B21	309											L3	249	348	453	663	873		1188	713	813		1188	
B22	415		405		405		405				L4	62	115	167	272	377		525	288	338		525		
B23	130+300											L5	92	145	197	302	407		557	320	370		557	
B24	335+495											L6	40	92	95	200	305		414	178	228		414	
B25	620											L7	38	38	88	88	88		128	128	128		128	
B26	245											L8	62			130	236							
B27	630+460											L9	29			13	-40							
B28	60											L10	70											
B29	1											L11	70											
B30	395+495											L12	171			276	381							
B31	632											L13	171			276	381							
B32	618+448											L14	310			280		280		280				
B33	-11.5											L15	590			530		530		530				
B34 ³⁾												L16				1130	1340		1838	1363	1463		1838	
B35 ³⁾												L17				600	810		1308	833	933		1308	
B36	45			45				45				L18	310											
C1	430			530				530				L19	590											
C2	230		200		200		200				L20	1171			1381	1591								
C3	165		245		306		306				L21	581			791	1001								
C4	33		37		30		30				L22	758			858	974								
C5	230											L23	38			90	142	142						
C6	295											L24	90			90	143	248						
C7	30											L25	-8.5			50	155							
C8	314		270		270		270				L26	100			94	41.5								
												L27	105			105		105						

- 1) – The dimensions in brackets refer to modifications with microlift
- 2) – The dimensions in brackets refer to modifications with load limiter
- 3) – The dimensions will be given on customer's request/order

Modifications	1		2		3	5	6		7	8		9	10	11	12
	V1,V2	V3	V1,V2	V3	V1,V2	V1,V2	V1,V2	V3	V1,V2	V1,V2	V3	V1,V2	V1,V2	V1,V2	V1,V2
C	H1	620	795	845	775	660	1470	1680	1500	1470	1680	1255	870	780	870
	H2														
	H3														
	H4														
	H5														
	H6														
	H7														

MT700 Basic parameters

Modification	Reeving	Lifting height m							Lifting speed m/min						Rated power of the lifting electric motor kW ⁴⁾			Rated power of the trolley electric motor kW ⁴⁾			
									V1		V2		V3								
		H1	H2	H3	H4	H5	H6	H7	MT...	MT...M	MT...	MT...M	MT...	MT...M							
1	1/1	-	16	24	34	46	58	70	16	3.6/16	-	-	-	-	V1	MT... MT...M	12.5 3/13	20 m/min	2x0.25		
2	2/1	-	8	12	17	23	29	35	8	1.8/8	-	-	-	24 m/min				2x0.3 (2x0.6) ⁵⁾			
3	4/1	-	-	-	8.5	11.5	14.5	17.5	4	0.9/4	-	-	-	30 m/min				2x0.6			
														32 m/min				2x0.37			
5	4/2	-	-	-	6.5	10	13.5	17	8	1.8/8	-	-	-	Travel speed ²⁾ m/min		Railway profile width min ³⁾ ,mm	Curve radius min, m				
4	2/2	-	-	-	13	20	27	34	16	3.6/16	-	-	-					20	32	130	3.5
7 ⁶⁾	4/1	-	-	-	8.5	11.5	14.5	17.5	4	0.9/4	-	-	-								
10	2/1	-	7.5	11.5	16	22	28	34	8	1.8/8	-	-	-	24	30	-					
11	4/1	-	-	-	8	11	14	17	4	0.9/4	-	-	-	20	32	130	3.5				
9	4/2	-	-	-	6.5	10	13.5	17	8	1.8/8	-	-	-								

1) - Hand pushed

2) - Other travel speeds available: for modifications 6, 7 and 9 – 8; 10; 12; 15; 4/12; 5/15; 6/20; 10/32 m/min
for modification 10 – 12; 15; 20; 38; 3/12; 4/15; 5/20; 6/24; 9.5/38 m/min
for modification 11 – 15; 20; 4/15; 5/20; 6/24 m/min

3) – Maximum railway profile width – 300 mm

4) – Revolutions of the lifting electric motors: at V1 – 910 min⁻¹; V2 – 1360 min⁻¹; 1400 min⁻¹

Revolutions of the trolley electric motors: for modifications 6, 7 and 9 – 20 m/min – 870 min⁻¹; 32 m/min – 1250 min⁻¹
for modifications 10 and 11 – 2700 min⁻¹

5) – Only for low headroom and reeving 4/1

6) – The data is for 12.5 t capacity (For 16 t – on request)

MT700 Weight, kg^{1),2)}

Lifting height	Modification									
	1; 2		3		5		4		6	
	...V1	...V1...M	...V1	...V1...M	...V1	...V1...M	...V1	...V1...M	...V1	...V1
H2	627	687	-	-	-	-	-	-	908	970
H3	665	725	-	-	-	-	-	-	984	1045
H4	727	787	865	925	784	845	635	695	1053	1115
H5	787	847	925	985	839	900	670	730	1116	1175
H6	836	896	985	1045	891	950	735	795	1182	1245
H7	893	953	1045	1105	950	1010	790	850	1248	1310

Lifting height	Modification							
	7		10		11		9	
	...V1	...V1...M	...V1	...V1...M	...V1	...V1...M	...V1	...V1...M
H2	-	-	920	980	-	-	-	-
H3	-	-	1090	1150	-	-	-	-
H4	1225	1285	1163	1225	1405	1470	1113	1175
H5	1296	1355	1230	1290	1480	1540	1171	1235
H6	1350	1410	1305	1365	1555	1615	1237	1300
H7	1415	1475	1375	1435	1630	1690	1303	1370

1) - The second brake increases the weight by 16 kg.

2) – For travel speeds as per 2) (see above) the weight increases by up to 5 %.

MT700 Dimensions, mm

	V1								V1						
	Modifications-1,2,3,4,5,6,7,9,10,11								Modifications-1,2,3,4,5,6,7,9,10,11						
	H1	H2	H3	H4	H5	H6	H7		H1	H2	H3	H4	H5	H6	H7
B1 ²⁾	880(969)							C9	390						
B2	475							C10	467						
B3	56							C11	42						
B4	186.5							C12	390						
B5	80.5							C13	467						
B6 ²⁾	80.5(170)							C14	42						
B7	180							D1	Ø25						
B8	56							D2	M27						
B9	983							D3	210						
B10	90							D4	210						
B11	22.5							D5	200						
B12	183							D6	250						
B13	150+300							L1 ¹⁾	1125	1285	1445	1660	1875	2085	
B14	127+147								(1160)	(1320)	(1480)	(1695)	(1910)	(2120)	
B15	290+365							L2	500	580	660	770	875	980	
B16	615							L3	393	553	713	928	1143	1353	
B17	265							L4	126	206	288	395	503	606	
B18	297+147							L5	162	242	320	428	535	642	
B19	290+365							L6	68	148	178	285	392	498	
B20	615							L7	78	78	128	128	128	128	
B21	370							L8			117	224	332	437	
B23	130+300							L9			36	-18	-72	-124	
B24	430+510							L10	80						
B25	762							L11	80						
B26	245							L12			199	386	494	599	
B27	812+642							L13			199	386	494	599	
B28	60							L14	310						
B29	-11.5							L15	590						
B30	440+520							L16	1197	1277	1243	1638	1853	2063	
B31	772							L17	607	684	833	1048	1263	1473	
B32	802+632							L18	310						
B33	-17.5							L19	590						
B36	50							L20			1243	1638	1853	2063	
C1	530							L21			833	1048	1263	1473	
C2	230							L22	873	1028	1178	1308	1408	1473	
C3	280							L23	50	50	118	118	118	118	
C4	30							L24	75	155	167	247.5	382	487	
C5	230							L25			40.5	148	256	361	
C6	280							L26			111.5	58	4	-48	
C7	30							L27	105						

- 1) – The dimensions in brackets refer to modifications with microlift
2) – The dimensions in brackets refer to modifications with load limiter

Modifications	1	2	3	5	6	7	9	10	11	
C	H1									
	H2									
	H3									
	H4	670	840	825	760	1650	1635	1595	930	850
	H5									
	H6									
	H7									



ООО ПОДЪЕМ СПБ

Официальный представитель заводов Р.Болгария на территории РФ

НАШИ КООРДИНАТЫ:

г.Санкт-Петербург, ул. Ал. Невского д. 9/11

Тел./факс : (812) 329-70-11

Тел. : (812) 327-17-84

e-mail: podem-spb@mail.ru

Адрес для почтовых отправлений:

191167, г. Санкт-Петербург,

Перекупной пер. д.11/15, а/я150

Наш склад:

г.Санкт-Петербург, ул.Мельничная 20 А.