



EXPERT Crane Components

PRODUCT RANGE

Load [kg]	Frame size	Falls	Duty group ISO	Chain size	Motor type	Motor power HS [kW]	Hoisting speed [m/min.] HS/LS		Max. amb. temp [°C] 1), 2)		ED% 3)	Starts/hr
63	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B 8/2	0.36	8	2	40	1)	60	300
	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	12	3	40	1)	60	300
	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	16	4	40	1)	60	300
	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	24	6	40	1)	60	300
Load [kg]	Frame size	Falls	Duty group ISO	Chain size	Motor type	Motor power HS [kW]	Hoisting speed [m/min.] HS/LS		Max. amb. temp [°C] 1), 2)		ED% 3)	Starts/hr
125	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	8	2	40	1)	60	300
	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	12	3	40	1)	60	300
	02	1	M5	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	16	4	50	1)	60	300
160	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	8	2	40	1)	60	300
	02	1	M6	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	12	3	40	1)	60	300
	02	1	M4	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	16	4	40	1)	60	300
250	02	1	M5	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	8	2	50	1)	60	300
	05	1	M4	5.1 x 15.1	MT08MB104 ZNC 80 B 8/2	0.72	12	3	40	1)	60	300
	05	1	M6	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	4	1	40	1)	60	300
	05	1	M6	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	8	2	40	1)	60	300
	05	1	M5	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	16	4	50	1)	60	300
320	05	1	M5	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	8	2	40	1)	60	300

500	02	2	M5	4.1 x 12.1	MT06MB104 ZNC 63 B	0.36	4	1	40	1)	60	300
	05	1	M5	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	4	1	50	1)	60	300
	05	1	M5	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	8	2	50	1)	60	300
	10	1	M6	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	4	1	40	1)	60	300
	10	1	M6	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	8	2	40	1)	60	300
	10	1	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	12	4	40	1)	60	300
	10	1	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	16	4	50	1)	60	300
Load [kg]	Frame size	Falls	Duty group ISO	Chain size	Motor type	Motor power HS [kW]	Hoisting speed [m/min.] HS/LS		Max. amb. temp [°C] 1), 2)		ED% 3)	Starts/hr
630	05	2	M5	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	4	1	40	1)	60	300
	10	1	M4	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	16	4	40	1)	60	300
1000	05	2	M5	5.1 x 15.1	MT08MB104 ZNC 80 B	0.72	4	1	50	1)	60	300
	10	1	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	4	1	50	1)	60	300
	10	1	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	6	1.5	50	1)	60	300
	10	1	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	8	2	50	1)	60	300
1250	10	1	M4	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	4	1	40	1)	60	300
	10	1	M4	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	8	2	40	1)	60	300
	10	2	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	4	1	40	1)	60	300
	10	2	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	6	1.5	40	1)	60	300
1600	10	2	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	4	1	50	1)	60	300
	10	2	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	6	1.5	50	1)	60	300
2000	10	2	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	4	1	50	1)	60	300
	10	2	M5	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	6	1.5	40	1)	60	300
2500	10	2	M4	7.2 x 21.1	MT10MA104 ZNC 100 A 8/2	1.80	4	1	40	1)	60	300

Standard features

Mechanics	
No	Option
1	Mechanical overload device (slipping clutch)
2	Disc brake that is located on a separate load path after the motor and the slipping clutch. The brake is linked directly to the load, and holds the load even if the motor or the slipping clutch fails.
3	2-step (frame sizes 02 to 05) or 3-step (frame size 10) helical gear
Mechanics	
No	Option
4	Sprocket on output shaft in cantilever position
5	Hoist body with epoxy powder paint of 70 µm thickness, C2-M according to EN12944-2 and EN12944-5
6	Lower hook according to DIN classification
7	Zinc plated and quenched tempered chain (class T)
8	<p>Selection of trolleys:</p> <ul style="list-style-type: none"> • Trolley types: normal headroom trolley, low headroom trolley ¹⁾, swiveling trolley ¹⁾, and trolley for LCS (push trolley inside hollow profile) • Trolley drive types: motorized ¹⁾, manual / push, and hand-gear <p>Inclusive:</p> <ul style="list-style-type: none"> • Rubber buffers on trolleys • Integrated wheel catch and trolley retaining device
¹⁾ Not available for the 1-phase chain hoist configuration.	

Electrics	
No	Option
1	Dual speed motors ¹⁾ with 4:1 ratio for frame size 02 to 10
2	Motor thermal protection with bi-metal switch
3	Motors with TEFC classification and insulation class H
4	All components connected by plugs
5	Low voltage control ²⁾
6	Emergency stop with main contactor
7	Separate brake rectifier that is connected to the contactor (frame sizes 02 to 10)
8	Frequency converter controlled trolley traveling ¹⁾ with electronic potentiometer (EP) or multi-step mode (MS) – trolley movement with frequency converter or contactors
9	Mechanical upper and lower limit switches
10	IP55 protection
11	Operation temperature with rated load and speed: -20°C to +40°C (+50°C) ³⁾
¹⁾ Not available for the 1-phase chain hoist configuration.	
²⁾ Not available for the 1-phase 60 Hz chain hoist configuration.	

³⁾ The operation temperature is +50°C for all hoists with the duty class M5, and for hoists with the duty class M6, if they are used in the duty class M5.

If the hoist is equipped with a frequency converter driven trolley ¹⁾, the ambient temperature range is -10°C to +40°C for the whole system.

Optional features

Mechanics		
No	Option	Description
1	Secondary brake ¹⁾	The hoist has two brakes. The one closer to the hoist body acts as the operational brake, if the main brake fails.
2	2- or 4-step rotating geared limit switch (GLS) ¹⁾	The limit switch is available for solutions that need 2 or 4 adjustable stops.
3	Self-locking hook	A hook which cannot be opened, if there is a load in the hook
4	Stainless steel hook block	The hook block has the material AISI316.
5	Stainless steel chain	The stainless steel chain is used optionally, instead of the standard electro-galvanized chain.
6	Manual brake release	The load can be lowered to the ground by using the lever designed for loosening the brake manually.
7	Hand control on hook ¹⁾	In the hand control on hook solution, the controls for lowering and lifting the load are implemented onto the load hook.
8	IP66	A higher protection class that is available as an option
9	Bracket suspension	The standard bracket suspension can be replaced alternatively by the hook suspension type.
10	Rain cover	The rain cover for hoist helps to avoid direct contact of the hoist with rain.
11	Food safety lubricant	Lubricant for lifting chain/gear that is NSF H1 listed

¹⁾ Not available for the 1-phase chain hoist configuration.

Electrics		
No	Option	Description
1	4-button pendant controller ¹⁾	A pendant controller for applications that need two motions
2	6-button pendant controller ¹⁾	A pendant controller for applications that need three motions
3	Key switch on the E/S button on pendant controller	A 2-button pendant controller that is equipped with a key switch on the emergency stop button
4	Magnet on pendant controller	The pendant controller can be equipped with a magnet that is located on the back of the pendant controller.
5	Optional pendant controller	The pendant controller can be replaced with and older version (Schneider/XAC type).

Electrics		
No	Option	Description
6	ACF card ¹⁾	The ACF card uses the main voltage to control the brake, and it has a low voltage control. The hoist does not have any limit switches. If the switches are needed, they need to be adapted to the available controls on site.
7	External power plug ¹⁾	A special plug for the power feeding
8	Flat cable gland	Flat cable gland instead of round cable
9	Time meter/hour counter ¹⁾	A device which counts the lifting time
10	Hard wired controls ¹⁾	The connections of the electrical parts are created by using wires instead of a printed circuit board.
11	Radio remote control ¹⁾	The control of the hoist(s) is done by using a remote control device.
12	Non-supply of pendant controller and pendant controller cable	The hoist is delivered without a pendant controller and pendant controller cable.

¹⁾ Not available for the 1-phase chain hoist configuration.

Chain Hoist Weights

Frame size	Falls	Hoist weight [kg] ¹⁾	
		Without chain ^{2), 3)}	Chain [kg/m]
02	1/1	23	0.38
02	2/1	23	0.38
05	1/1	32	0.62
05	2/1	27	0.62
10	1/1	58	1.20
10	2/1	53	1.20

¹⁾ The weight values are valid for the standard configuration of the chain hoist. Optional features (such as GLS, frequency converter, or double brake) are not included here.

²⁾ For the chain hoist frame sizes 02–10, the 1-fall hoist weight includes the counterweight.

³⁾ The weights are calculated for the lifting height (HOL) of 3 m.