

MCW

MCW-Series

A range of electric self braking worm gear winches, developed for heavy duty pulling and traversing duties up to 2200 kg. Due to the self braking worm gears the winches are suitable for pulling up an incline. A brake is available as an option for accurate positioning or repetitive lifting applications up to 2000 kg. MCW-series often used to rank railway waggons, bring motorless cars and trucks into repair workshops or tows fresh fallen timber. The winches can be used with 100% ED, which means continuously. We always recommend to use the version with three phase motors to enable better starting with attached hanging loads.

Complete execution

The package contains the winch with brake motor, a control box and a emergency stop button, 3 m power cable with connector, however without rope.

Safety

Safety is always important when loads are moved. Therefore MCW have an overload protection in the control box and a red emergency-stop button either on the control box cover or at the handheld pendant control.

Standard features

- Self braking worm gear transmission
- IP 54 aluminium non braked motor 400 V AC / 3 phase / 50 Hz
- Steel drum (not grooved) with cable fixing point at flange
- Single drum support (MC 250, MC 500)
- Two drum supports (all other models)
- Double layer 2 component conservation, colour RAL 5010

TYPE MCW (400 Volt)

TYPE	Max. pulling force 1st rope layer daN	Max. pulling force 5th rope layer daN	Max. lifting capacity 1st rope layer kg	Max. lifting capacity 5th rope layer kg	Recomm. rope diam. mm	Speed 1st layer m/min.	Drum storage 1st layer m	Drum storage 5th layer m	Motor power 400 V kW. S2	Weight without rope kg
MCW 250	250	170	200	135	6	6	2	19	0.75	22
MCW 500	500	340	400	275	6	6	2	19	1.1	35
MCW 750	750	490	600	390	7	6	6	42	1.5	55
MCW 1200	1200	750	960	600	8	5	5	38	2.2	92
MCW 1700	1700	1055	1300	805	10	6	7	50	4	140
MCW 2200	2200	1365	1700	1055	12	7	9	63	5.5	180

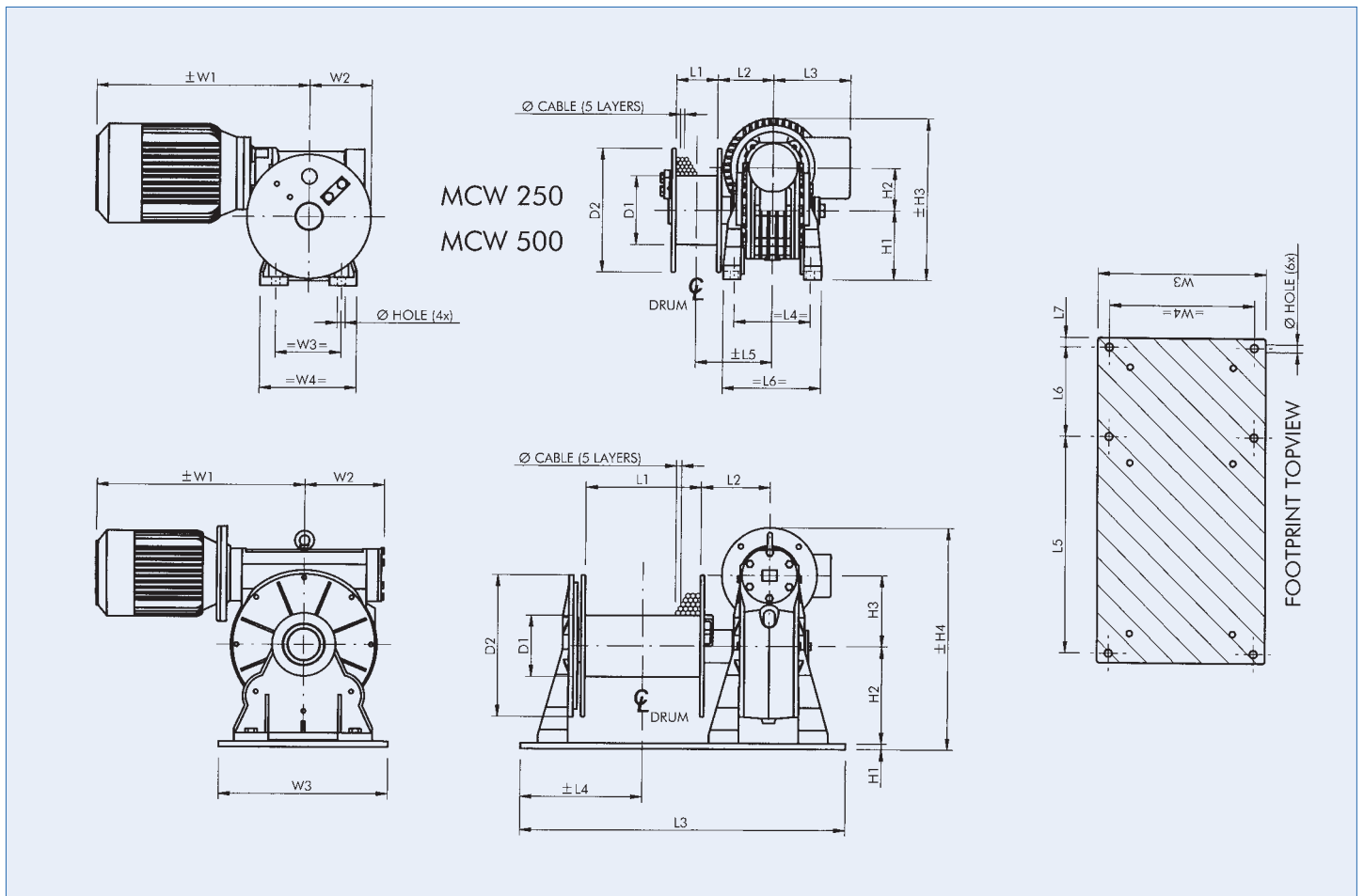
Available options

- Braked motor (aluminium or cast iron)
- IP 56 TENV cast iron motor for marine applications
- 230 V single phase motors (up to MC 750)
- 24 V DC motors
- Explosion proof motors
- Protective steel motor cover
- Manual or remotely controlled disengaging clutch
- Band brakes
- Grooved drum
- Drum guards
- Emergency cranking
- Marine / offshore coating systems
- Drum pressure roller
- Alternative drum dimensions / split drums / additional rope anchors / etc.
- Emergency cranking

Available control options

- Direct pendant remote control IP 65 with emergency stop (up to 2.2 kW 400 V AC / 3 phase)
- Control box IP 55 with pushbuttons and emergency stop
- Control box IP 55 with low voltage IP 65 remote control
- Load limiter
- Frequency inverter for variable speed control
- Wireless radio remote control systems
- Limit switches
- Slack wire rope switches
- Alternative speeds
- Limit switches
- Slack wire rope switches

TYPE	MCW...SPH / MCW...	250	500	750	1200	1700	2200
Basic version 400 V (MCW)	Order No.	H50001	H50002	H50003	H50004	H50005	H50006
Version with brake motor 400 V (MCW)	Order No.	H50012	H50013	H50014	H50015	H50016	H50017
Complete version 400 V (MCW)	Order No.	H50130	H50131	H50132	H50133	H50134	H50135
More options to be added to above basic price							
Grooved drum	Order No.	H50019	H50019	H50020	H50020	H50067	H50067
Splitted drum (for 2 ropes)	Order No.	-	-	H50027	H50027	H50027	H50027
Disengaging clutch	Order No.	H50107	H50107	H50109	H50109	H50114	H50114
Pressure roller	Order No.	H50105	H50105	H50009	H50009	H50009	H50009
Spindle limit switch	Order No.	H50106	H50106	H50106	H50106	H50106	H50106
10 cm longer cable drum respectively, for greater cable take-up (from MC 750)	Order No.	-	-	H50115	H50118	H50127	H50128
Outdoor paintwork in accordance with ISO 12944 (C4 high)	Order No.	H50116	H50116	H50140	H50140	H50141	H50141



TYPE	Weight kg	Dimensions (mm)																	
		D1	D2	L1	L2	L3	L4	L5	L6	L7	H1	H2	H3	H4	W1	W2	W3	W4	Loch Ø
MCW 250	22	100	180	60	81	118	111	111	143	-	100	62	233	-	310	90	95	140	11.5
MCW 500	35	100	200	60	91	129	146	121	186	-	142	87	309	-	358	110	140	220	11.5
MCW 750	55	100	200	150	104	500	187	320	150	15	10	142	87	320	358	110	270	240	13
MCW 1200	92	100	250	150	125.5	560	203	340	180	20	10	170	110	380	421	140	325	285	17
MCW 1700	140	121	280	200	146.5	640	232	415	185	20	15	195	130	443	492	154	370	320	17
MCW 2200	180	146	320	250	155	710	260	470	200	20	15	220	150	510	519	180	410	360	17