

A range of compact lifting and pulling winches utilising electric, hydraulic or pneumatic motors. The heavy duty planetary gearbox is located within the drum core, which both saves space and protects the gearbox from any external damage.

These winches can be fitted with a clutch which can be operated whilst under load.

Standard features:

- Heavy duty planetary gearbox
- MC E; IP 54 aluminium braked motor 400 VAC / 3 phase / 50 Hz.
- MC H; orbit or radial piston type hydraulic motor complete with brake valve
- MC LPR; radial piston type air motor complete with hand control valve and mufflers
- Steel drum with cable fixing point at flange
- Two drum supports
- Single layer 1 component conservation, colour BS 20 (Medium Blue)

Available options:

- IP 56 TENV cast iron motor for marine applications
- Explosion proof motors
- Protective steel motor cover
- Drum pressure roller
- Band brakes (manual or failsafe automatic)
- Manual or automatic disengaging clutch (also under load)

- Alternative speeds
- Alternative supply voltages
- Drum guards
- Spooling gears
- Grooved drums
- Marine / offshore coating systems

Available control options:

- Control box IP 55 with pushbuttons and emergency stop built acc. to NEN 1010
- Control box IP 55 with low voltage IP 65 remote control built acc. to NEN 1010
- Load limiter (required by CE for applications exceeding 1000 kg W.L.L.)
- Frequency inverter for variable speed control
- Limit switches (only electric, built in motor)
- Flange encoder
- Slack wire switches (electric, pneumatic or hydraulic)
- Proportional local or remote control valve (pneumatic or hydraulic)

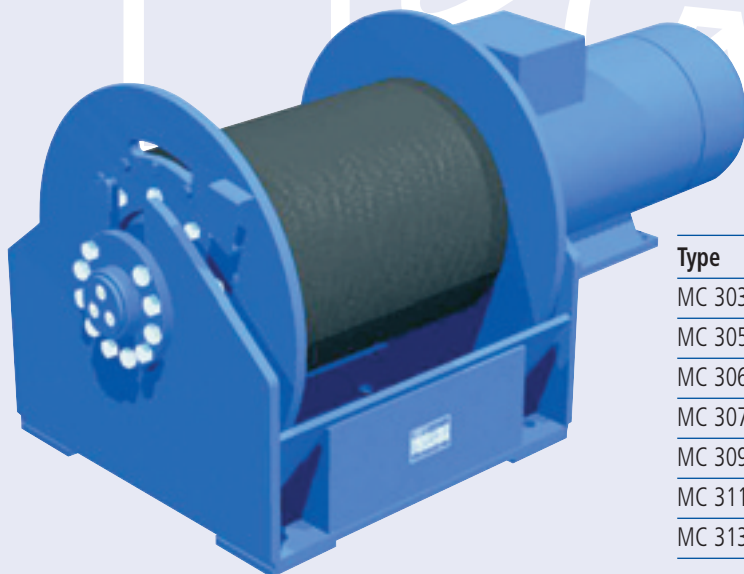
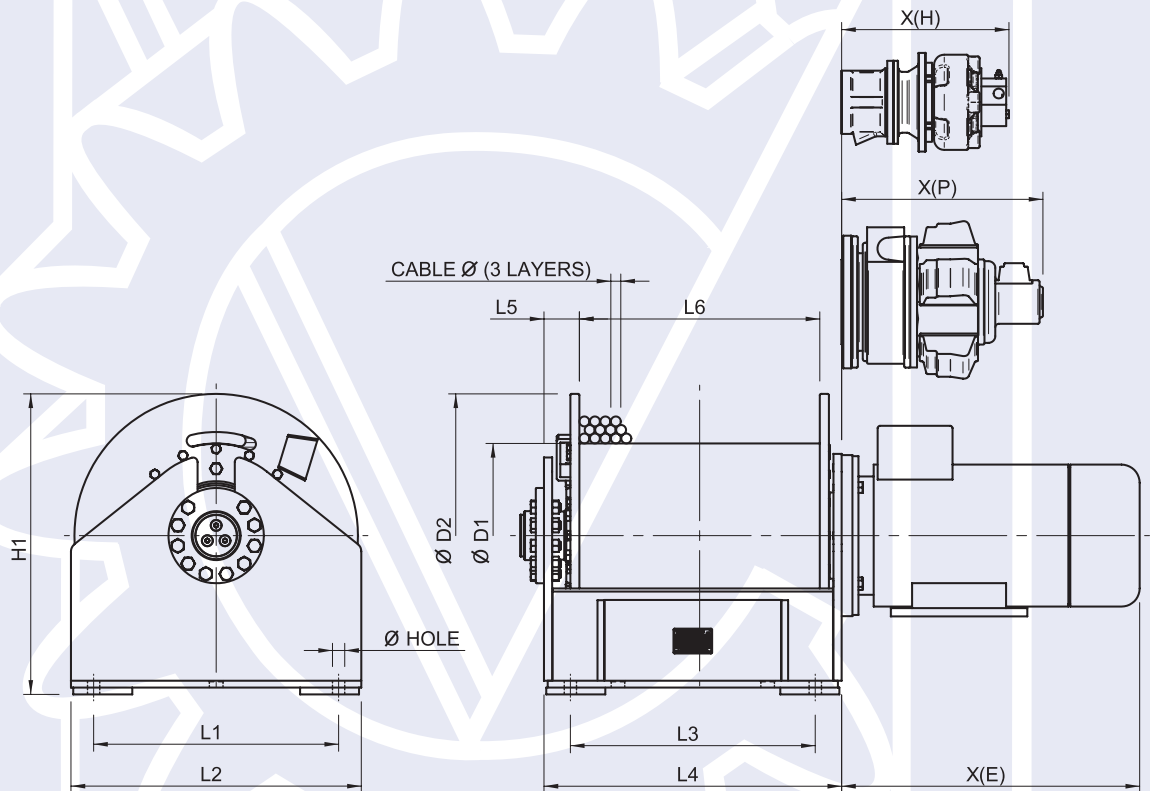
Winch type	W.L.L. 1st layer kg.	W.L.L. 5th layer kg.	Recomm. rope diam. mm.	Speed 1st layer m/min.	Speed 5th layer m/min.	Drumcap. 1st layer m.	Drumcap. 5th layer m.	Motor Power in kW
MC 303 E	2000	1560	12	11	14	40	227	4
MC 305 E	4000	2900	16	9	12	29	173	5,5
MC 306 E	5500	3970	18	12	17	30	179	11
MC 307 E	7000	4960	22	12	17	30	184	15
MC 309 E	9000	6425	24	13	19	35	211	22
MC 311 E	14000	9700	30	13	19	45	276	30
MC 313 E	20000	14000	34	8	12	46	214	30

Winch type	W.L.L. 1st layer kg.	W.L.L. 5th layer kg.	Recomm. rope diam. mm.	Speed 1st layer m/min.	Speed 5th layer m/min.	Drumcap. 1st layer m.	Drumcap. 5th layer m.	Pressure drop in bar	Flow in l/min.
MC 303 H	2000	1560	12	15	19	40	227	85	45
MC 305 H	4000	2900	16	9	12	29	173	130	38
MC 306 H	5500	3970	18	12	17	30	179	170	50
MC 307 H	7000	4960	22	12	17	30	184	155	80
MC 309 H	9000	6425	24	13	19	35	211	225	70
MC 311 H	14000	9700	30	13	19	45	276	210	115
MC 313 H	20000	14000	34	8	12	46	214	190	115

Planetary Compact Built Winches

MC SERIES

Winch type	W.L.L. 1st layer kg.	W.L.L. 5th layer kg.	Recomm. rope diam. mm.	Speed 1st layer m/min.	Speed 5th layer m/min.	Drumcap. 1st layer m.	Drumcap. 5th layer m.	Pressure drop in bar	Flow in l/sec.
MC 303 LPR2	2000	1560	12	7	9	40	227	6	80
MC 303 LPR3	2000	1560	12	19	25	40	227	7	140
MC 305 LPR3	3700	2700	16	11	15	29	173	7	150
MC 305 LPR4	4000	2900	16	16	22	29	173	7	225
MC 306 LPR4	5500	3970	18	13	18	30	179	7,5	225
MC 307 LPR4	7000	4960	22	11	15	30	184	7,5	230
MC 309 LPR5	9000	6425	24	12	17	35	211	7,5	350
MC 311 LPR4	14000	9700	30	8	11	45	276	7,5	350
MC 313 LPR6	20000	14000	34	6	8	46	214	6	440



Type	Mass (kg)	D1	D2	L1	L2	L3	L4	L5	L6	H1	Hole Ø
MC 303	325	326	480	440	500	440	546	58	450	510	20
MC 305	400	326	480	440	500	440	546	58	450	510	20
MC 306	560	355	540	490	560	505	615	74	500	575	22
MC 307	710	405	625	560	640	520	656	78	530	660	25
MC 309	850	457	700	640	720	585	721	80	590	738	27
MC 311	1100	508	800	720	820	825	985	100	830	840	33
MC 313	1500	610	950	878	980	880	1055	110	890	995	34

