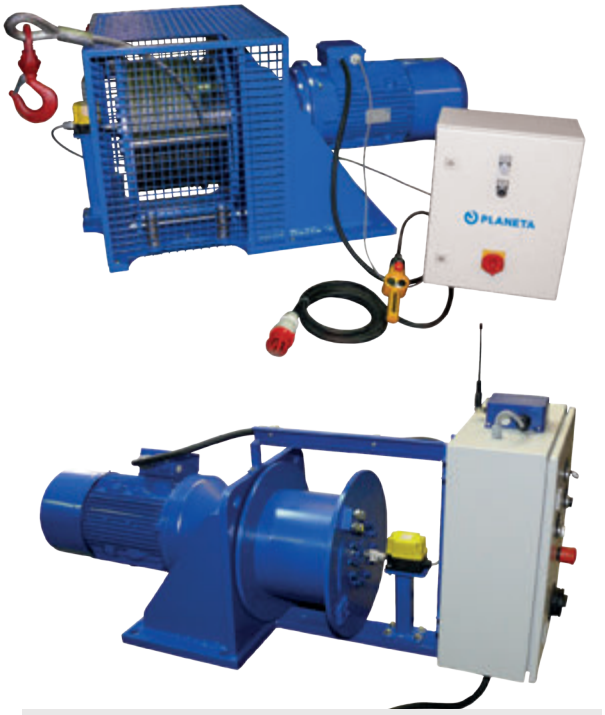
Compact rope winch





PCW with optional equipment

PLANETARY CRANE WINCHES | **PCW**

Specially designed for applications where space is at a premium, these compact and lightweight lifting winches are ideally suited for installation on cranes, davits and derricks. The single drum support enables the rope to leave the drum at any angle. The heavy duty planetary drive is partly located within and protected by the drum core. The large drum diameters ensure a healthy drum to cable diameter ratio and sufficient working length despite the short drums.

Three engine types

The PCW is available with electric, hydraulic or compressed air motor. The load capacities range from 800 kg to 5250 kg. In special cases, special gears are also possible.

Standard features:

- Heavy duty planetary gearbox
- PCW-E; IP 54 aluminium braked motor 400 VAC/3 phase/50 Hz
- PCW-H; orbit or radial piston type hydraulic motor complete with brake valve
- PCW-LPR; radial piston type air motor complete with hand control valve and mufflers
- Steel drum with cable fixing point at flange
- Single drum support
- Double layer 2 component conservation, colour RAL 5010

Available options:

- IP 56 TENV cast iron motor for marine applications
- Explosion proof motors
- Protective steel motor cover
- Drum pressure roller
- Alternative speeds
- Alternative supply voltages
- Drum guards
- Marine / offshore coating systems
- Tubular offshore frame construction with lifting eyes

Available control options:

- Control box IP 55 with pushbuttons and emergency stop
- Control box IP 55 with low voltage IP 65 remote control
- Load limiter (required by CE)
- Frequency inverter for variable speed control
- Wireless radio remote control system
- Limit switches
- Slack wire switches
- Radio / Infra-red remote control

PRO-LIFT SOLUTIONS

Electric compact rope winch PCW-E

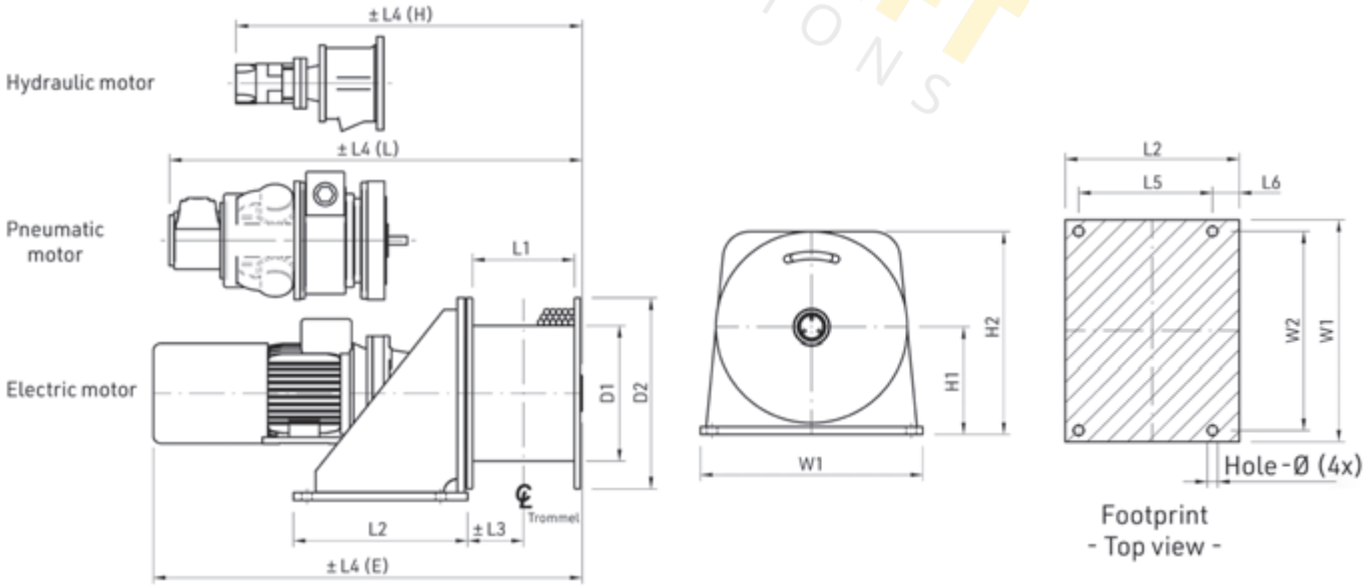
TYPE	Max. capacity 1st layer kg	Max. capacity top layer kg/layers	Recomm. rope diam. mm	Speed 1st layer m/min.	Speed top layer m/min.	Drum storage 1st layer m	Drum cap. all layers m/layers	Motor power 400 V AC kW	Order No.
PCW 300-E	950	800/4	8	8.5	10	15	70/4	1.5	H50330
PCW 301-E	1,850	1,470/4	11	9	11	10	53/4	3	H50331
PCW 303-E	2,300	1,970/3	12	7	8.5	11	41/3	3	H50332
PCW 305-E	3,350	2,800/3	14	9	11	10	40/3	5.5	H50333
PCW 306-E	4,100	3,500/3	16	7	8.5	15	56/3	5.5	H50334
PCW 307-E	5,250	4,490/3	18	12	14	18	67/3	11	H50335

Pneumatic compact rope winch PCW-L

TYPE	Max. capacity 1st layer kg	Max. capacity top layer kg/layers	Recomm. rope diam. mm	Speed 1st layer m/min.	Speed top layer m/min.	Drum storage 1st layer m	Drum cap. all layers m/layers	Air pressure bar	Air consumption l/sec.	Order No.
PCW 300-LPR1	800	675/4	8	8	10	15	70/4	7	30	H50342
PCW 300-LPR2	950	800/4	8	18	21	15	70/4	7	90	H50343
PCW 301-LPR2	1,850	1,470/3	11	9	11	10	53/3	7	90	H50344
PCW 303-LPR2	2,300	1,970/3	12	7	8	11	41/3	7	90	H50345
PCW 303-LPR3	2,300	1,970/3	12	15	18	11	41/3	7	150	H50346
PCW 305-LPR3	3,350	2,800/3	14	10	12	10	40/3	7	150	H50347
PCW 306-LPR4	4,100	3,500/3	16	15	18	15	56/3	7	225	H50348
PCW 307-LPR4	5,250	4,490/3	18	12	14	18	67/3	7	240	H50349

Hydraulic compact rope winch PCW-H

TYPE	Max. capacity 1st layer kg	Max. capacity top layer kg/layers	Recomm. rope diam. mm	Speed 1st layer m/min.	Speed top layer m/min.	Drum storage 1st layer m	Drum cap. all layers m/layers	Air pressure bar	Flow in l/min.	Order No.
PCW 300-H	950	800/4	8	30	35	15	70/4	140	35	H50336
PCW 301-H	1,850	1,470/4	11	20	25	10	53/4	130	55	H50337
PCW 303-H	2,300	1,970/3	12	15	17	11	41/3	130	50	H50338
PCW 305-H	3,350	2,800/3	14	13	16	10	40/3	135	60	H50339
PCW 306-H	4,100	3,500/3	16	13	15	15	56/3	140	70	H50340
PCW 307-H	5,250	4,490/3	18	13	15	18	67/3	170	70	H50341



TYPE	Weight kg	Dimensions (mm)														
		D1	D2	L1	L2	L3	L4(E)	L4(H)	L4(L)	L5	L6	H1	H2	W1	W2	Hole-Ø
PCW 300	125	244	380	176	310	93	736	520	765	240	44	215	405	440	400	18
PCW 301	130	244	380	176	310	93	796	558	785	240	44	215	405	440	400	18
PCW 303	175	272	410	191	350	106	818	595	905	275	50	235	440	500	450	22
PCW 305	240	272	410	210	350	116	1,030	625	950	275	50	235	440	500	450	22
PCW 306	330	355	500	266	455	146	1,100	780	1,110	350	70	285	535	580	520	27
PCW 307	590	406	625	310	510	175	1,313	885	1,215	400	75	348	660	750	680	27