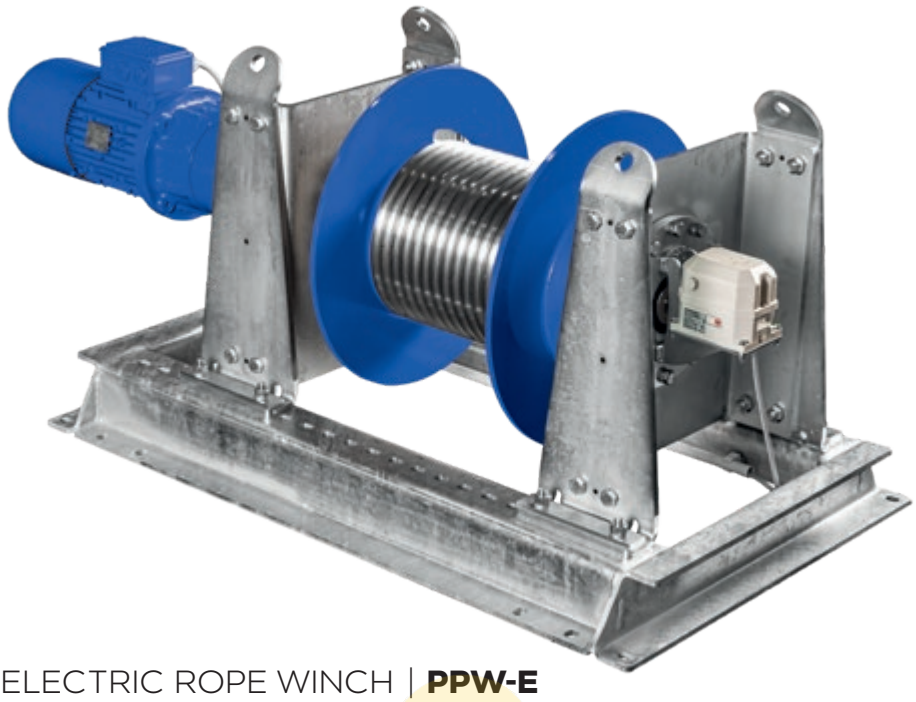
Electric rope winch



PPW-E
(with options)

ELECTRIC ROPE WINCH | **PPW-E**

The PPW series from PLANETA sets new standards for professional applications in industrial, outdoor, and offshore sectors. These electric cable winches are designed as compact, robust powerhouses and offer impressive performance with a lifting capacity of up to 10 tons and a cable capacity of up to 300 meters.

Robustness and reliability

Every model in the PPW series is designed for durability. The hot-dip galvanized frame provides effective protection against corrosion, while the maintenance-free design guarantees smooth operation under harsh conditions. With an IP55 protection rating (optionally available up to IP66), the winch is optimally protected against dust and water jets.

Technical highlights at a glance:

Versatile areas of application

Ideal for lifting, pulling, tensioning, and traversing.

Precise rope guidance

Equipped with a grooved rope drum as standard for clean winding.

Individual control

Available with various fixed or variable speeds.

Powerful drives

Standard operation with 3Ph./400V/50Hz; alternative voltages and pneumatic or hydraulic motors are available on request.

Customizable classification

Available in FEM groups M3, M4, or M5 depending on the intensity of your application scenario.

Standard version

- Hot-dip galvanized frame
- Lifting eyes
- Grooved drum
- Standard protection class IP55 and insulation class F
- Standard ambient temperature from -14°F to 104°F
- Standard engine group according to FEM1,001: M3 (1Bm), M4 (1Am), and M5 (2m)
- Standard power connection values: 3-phase / 400 volts / 50 Hz

Options

- Limit switch
- Screen printing roller
- Slack rope switch
- Multiple rope descents
- Extended drum
- Drum protection cover
- Outdoor and offshore design
- Protection class IP66
- Low/high temperature design
- Various fixed and variable speeds
- Space-saving angular planetary gear

PRO-LIFT SOLUTIONS

PRO-LIFT SOLUTIONS

Basic version PPW-E engine group M3/1Bm

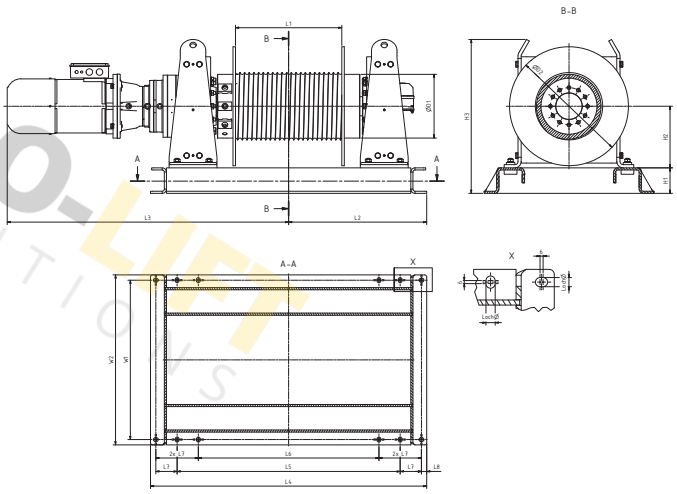
TYPE	PPW-E	04	06	10	15
Lifting capacity in 1st layer	kg	3,600	4,800	6,600	8,800
Lifting capacity in 2nd layer,	kg	3,162	4,218	5,800	7,736
Lifting capacity in 3rd layer	kg	2,819	3,762	5,173	6,902
Lifting capacity in 4th layer	kg	2,543	3,395	4,668	6,230
Lifting capacity in 5th layer	kg	2,316	3,093	4,253	5,677
Rope length in 1st layer	m	16	16	16	15
Rope length in 2nd layer	m	40	40	39	38
Rope length in 3rd layer	m	67	67	66	65
Rope length in 4th layer	m	96	96	95	93
Rope length in 5th layer	m	129	129	128	125
Rope speed 1st layer	approx. m/min	6	6	6	7
Rope speed 2nd layer	approx. m/min	7	7	7	8
Rope speed 3rd layer	approx. m/min	8	8	8	9
Rope speed 4th layer	approx. m/min	9	9	9	10
Rope speed 5th layer	approx. m/min	10	10	10	11
Drum/rope diameter	mm	188 / 14	216 / 16	270 / 20	298 / 22
Motor power	kW	4	5.5	7.5	11
PPW-E with standard speed	Order No.	H66121	H66131	H66141	H66151

Basic version PPW-E engine group M4/1Am

TYPE	PPW-E	04	06	10	15
Lifting capacity in 1st layer	kg	3,200	4,300	6,000	8,000
Lifting capacity in 2nd layer,	kg	2,844	3,822	5,333	7,111
Lifting capacity in 3rd layer	kg	2,560	3,440	4,800	6,400
Lifting capacity in 4th layer	kg	2,327	3,127	4,364	5,818
Lifting capacity in 5th layer	kg	2,133	2,867	4,000	5,333
Rope length in 1st layer	m	18	18	18	17
Rope length in 2nd layer	m	44	44	43	42
Rope length in 3rd layer	m	73	73	71	70
Rope length in 4th layer	m	105	104	102	101
Rope length in 5th layer	m	140	139	137	135
Rope speed 1st layer	approx. m/min	7	7	7	8
Rope speed 2nd layer	approx. m/min	8	8	8	9
Rope speed 3rd layer	approx. m/min	9	9	9	10
Rope speed 4th layer	approx. m/min	10	10	10	11
Rope speed 5th layer	approx. m/min	11	11	11	12
Drum/rope diameter	mm	210 / 14	240 / 16	300 / 20	330 / 22
Motor power	kW	4	5.5	7.5	11
PPW-E with standard speed	Order No.	H66221	H66231	H66241	H66251

Basic version PPW-E engine group M5/2m

TYPE	PPW-E	04	06	10	15
Lifting capacity in 1st layer	kg	2,800	3,800	5,200	6,900
Lifting capacity in 2nd layer,	kg	2,522	3,420	4,680	6,210
Lifting capacity in 3rd layer	kg	2,294	3,109	4,255	5,645
Lifting capacity in 4th layer	kg	2,104	2,850	3,900	5,175
Lifting capacity in 5th layer	kg	1,943	2,631	3,600	4,777
Rope length in 1st layer	m	21	20	20	19
Rope length in 2nd layer	m	50	49	49	47
Rope length in 3rd layer	m	82	81	80	78
Rope length in 4th layer	m	117	116	115	113
Rope length in 5th layer	m	155	153	152	150
Rope speed 1st layer	approx. m/min	8	8	8	9
Rope speed 2nd layer	approx. m/min	9	9	9	10
Rope speed 3rd layer	approx. m/min	10	10	10	11
Rope speed 4th layer	approx. m/min	11	11	11	12
Rope speed 5th layer	approx. m/min	12	12	12	13
Drum/rope diameter	mm	240 / 14	272 / 16	340 / 20	374 / 22
Motor power	kW	4	5.5	7.5	11
PPW-E with standard speed	Order No.	H66321	H66331	H66341	H66351



Dimensions and weights

TYPE	PPW-E	04			06			10			15		
Engine group		1Bm	1Am	2m	1Bm	1Am	2m	1Bm	1Am	2m	1Bm	1Am	2m
D1	mm	188	210	240	216	240	272	270	300	340	298	330	374
D2	mm	370	395	425	425	450	480	530	560	600	585	620	660
L1*	mm	500	500	500	500	500	500	500	500	500	500	500	500
L2	mm	600	600	600	625	625	625	650	650	650	650	650	650
L3**	mm	1,155	1,155	1,155	1,290	1,290	1,290	1,325	1,325	1,325	1,510	1,510	1,510
L4	mm	1,200	1,200	1,200	1,250	1,250	1,250	1,300	1,300	1,300	1,300	1,300	1,300
L5	mm	950	950	950	1,000	1,000	1,000	1,050	1,050	1,050	1,050	1,050	1,050
L6	mm	750	750	750	800	800	800	850	850	850	850	850	850
L7	mm	100	100	100	100	100	100	100	100	100	100	100	100
L8	mm	25	25	25	25	25	25	25	25	25	25	25	25
H1	mm	100	100	100	100	100	100	120	120	120	120	120	120
H2	mm	170	170 / 205	205	205	205 / 235	235	255	255 / 290	290	280	280 / 320	320
H3	mm	540	540	540	605	605	605	725	725	725	755	755	755
W1	mm	600	600	600	700	700	700	800	800	800	850	850	850
W2	mm	550	550	550	650	650	650	750	750	750	800	800	800
Hole diameter	ø mm	14	14	14	18	18	18	18	18	18	22	22	22
Weight without accessories	approx. kg	292	299	313	395	406	427	539	551	563	724	747	759

*Standard 500 mm, variable in increments of 50 mm ** Lengths may vary depending on configuration.