

## Electric rope winch PLANETA – PFW-C

Available at  
short notice

With a load bearing capacity from 250 to 3.000 kg this electrical rope winch with its modular construction principle is one of the most modern devices for pulling, lifting and moving loads. With its extensive range of configuration and finishing options it can be adapted to suit almost any installation situation.



### Standard equipment

- Disk brake and spur gear motor
- Grooved drum
- Safety contactor control with low control voltages
- Electric overload protection (over 1.000 kg load capacity)
- Pendant remote control with 3 m cable
- Power supply cable with 3 m cable
- Documentation in German or English
- Test certificate and EC installation declaration

### Technical data

- Operating voltage 3 Phases / 400 Volt / 50 Hz  
or 1 Phases / 230 Volt / 50 Hz (alternating current)
- Duty cycle 60% (reference cycle 10 min.)
- Up to 150 starts per hour
- Protection class: IP55 (jet-water from all sides)
- FEM classification: M3 (1Bm)  
(e.g. 10 years one hour daily with medium loads)
- Ambient temperature during operation: -10°C to +40°C

### Winch control system

Out standard contactor control with control voltage of 42 V combines a lot of security features in a compact housing. By using low control voltage the operator is protected in a case of possible damages like a contact with a broken cable isolation. Generally the control will be delivered with a separate control of the brake. Because of that down sliding of the load will be prevented in a case of emergency stop.

### Made in Germany

The PFW range combines a modern design, innovative technology and superlative components, which are produced exclusively in Germany. Prior to shipping, each winch is tested dynamically with 125% of the nominal load and leaves our factory with a 24 month guarantee.

### Additional versions

Thanks to the modular construction, for the first time it is possible to retrofit or change many options.

Foremost of these is the manual free-wheeling coupling, which de-couples the rope drum from the drive and the brake for a rapid reeling off of the rope.



Figure shows  
optional equipment

### Optional equipment

- Lifting- or pulling rope with security hook
- Operational limit switch
- Protective drum cover
- Drum pressure roller
- CE-Label by full equipment

### Spindle limit switch

The spindle limit switch is coupled directly to the rope drum and determines the drum's revolutions. You can determine the rope winch's shut-off positions as required by adjusting the switching cam inside the switch. As standard, our spindle limit switches have two contacts, in order to limit the top and bottom hook position for example.

### Drum protection

Covering the rope drum prevents objects or items of the operator's clothing entering the rope drive. This reduces the risk of accidents and damage to the winch.

### Drum pressure roller

The rope keeps tight on the drum as long as it is under tension. But if it becomes slack, e.g. during shunting applications, when the waggon runs faster than the winch is able to store, a drum pressure roller can help. It presses the rope onto the drum core and maintains it in a tidy condition. The drum pressure roller is also recommended if a free spooling clutch is used.

For further  
executions  
please see  
**PLANETA**  
rope winch  
catalogue.



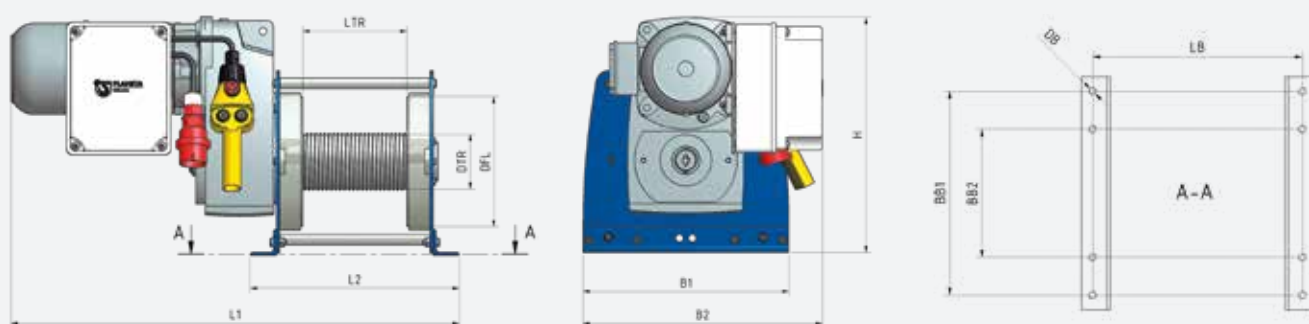
## Basic design

TYPE	PFW-C ...	250	500	1000	2000
Lifting capacity in 1st rope layer to max. hoisting-/pulling distance	kg/m	250/7	500/7	990/6	2,000/5
Lifting capacity in 2nd rope layer to max. hoisting-/pulling distance	kg/m	220/16	440/16	865/16	1,750/14
Lifting capacity in 3rd rope layer to max. hoisting-/pulling distance	kg/m	195/27	390/27	770/26	1,550/24
Lifting capacity in 4th rope layer to max. hoisting-/pulling distance	kg/m	175/38	350/39	695/39	1,400/35
Lifting capacity in 5th rope layer to max. hoisting-/pulling distance	kg/m	160/51	320/52	630/51	1,270/48
Lifting capacity in 6th rope layer to max. hoisting-/pulling distance	kg/m	145/65	295/65	580/65	1,165/61
Lifting capacity in 7th rope layer to max. hoisting-/pulling distance	kg/m	135/81	270/81	535/80	1,075/75
Rope diameter	mm	5	6	8	12
Required rope length remaining on drum	m	1.0	1.2	1.6	2.4
Rope speed 1st rope layer	approx. m/min	8	8	8	8 (4)*
Rope speed 2nd rope layer	approx. m/min	9	9	9	9 (4)*
Rope speed 3rd rope layer	approx. m/min	10	10	10	10 (5)*
Rope speed 4th rope layer	approx. m/min	11	11	11	11 (5)*
Rope speed 5th rope layer	approx. m/min	12	12	12	12 (6)*
Rope speed 6th rope layer	approx. m/min	13	13	13	13 (6)*
Rope speed 7th rope layer	approx. m/min	14	14	14	14 (7)*
Motor power	kW	0.37	0.75	1.5	2.6 (1.5)*
PFW-C with 3PH / 400 V	<b>Order-No.</b>	<b>H62100</b>	<b>H62110</b>	<b>H62130</b>	<b>H62150</b>
PFW-C with 1PH / 230 V (*)	<b>Order-No.</b>	<b>H62109</b>	<b>H62119</b>	<b>H62139</b>	<b>H62159</b>

### Options

Protective drum cover	<b>Order-No.</b>	<b>H62840</b>	<b>H62841</b>	<b>H62843</b>	<b>H62845</b>
Operational limit switch	<b>Order-No.</b>	<b>H62864</b>	<b>H62864</b>	<b>H62865</b>	<b>H62866</b>
Drum pressure roller	<b>Order-No.</b>	<b>H62850</b>	<b>H62851</b>	<b>H62853</b>	<b>H62855</b>
Pulling rope not rotation-resistant with eye hook 8 m *	<b>Order-No.</b>	<b>C62101</b>	<b>C62111</b>	<b>C62131</b>	<b>C62151</b>
Additional pulling rope per m	<b>Order-No.</b>	<b>C05619</b>	<b>C06619</b>	<b>C08619</b>	<b>C12636</b>
Hoisting rope rotation resistant with swivel hook 8 m **	<b>Order-No.</b>	<b>C62102</b>	<b>C62112</b>	<b>C62132</b>	<b>C62152</b>
Additional hoisting rope per m	<b>Order-No.</b>	<b>C05177</b>	<b>C06177</b>	<b>C08177</b>	<b>C12177</b>

### Dimensions and weights of the standard designs (Special equipment may vary)



L1	mm	700	770	860	1,000 (1,050)*
L2	mm	360	360	400	470
B1	mm	270	320	400	550
B2	mm	380	420	470	550
H	mm	300	335	460	620
LTR	mm	200	200	200	200
DTR	mm	65	80	105	155
DFL	mm	155	190	250	370
LB	mm	330	330	360	420
BB1	mm	220	250	350	500
BB2	mm	-	-	220	320
DB	mm	11	12	12	16
Weight without accessories	approx kg	40	65	110	240 (250)*

\*\* Rope supplied loose as a coil

More capacities and options on request.