

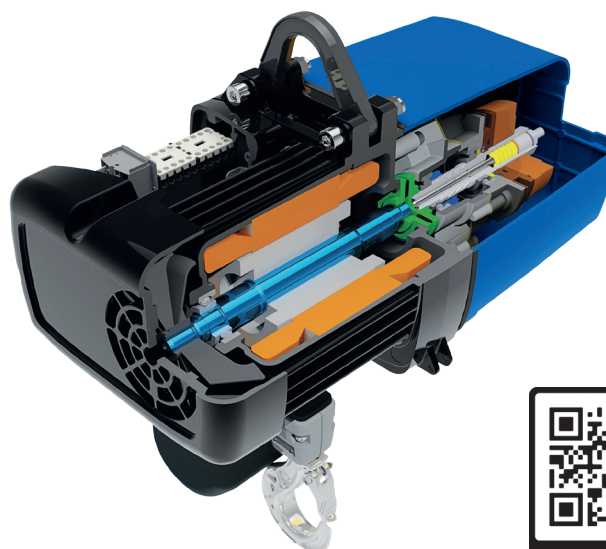


THE ENDURANCE HOIST – Electric chain hoist PLANETA - PEH

The PEH is simple in its structure and does not contain any sensitive electronics, which minimises the risk of operational interruptions. It is characterised by quiet running and is made for longevity whilst working hard.

The ergonomic control switch with 42 V low voltage allows convenient and safe working. Maintenance is easy, quick and needs no special tools

Robust die-cast construction.



YOUR BENEFITS:

Light and powerful.

The newest generation of PLANETA electrical chain hoists. Simple and easy to use – reliable and safe to operate – durable and maintenance-friendly.

Reliable and long-lasting

- No sensitive electronics used
- Aluminium casing and cover
- Minimum 1,600 operating hours with 40% duty cycle, 240 s/h (FEM: 2 m, ISO M5)
- Dry-running slipping clutch
- Area of application –15 to +50 °C
- Gearbox with permanent lubrication
- High safety in operation
- Low-wear DC-spring-loaded brake
- Chain safety factor minimum 8-times (1-fall in FEM, 2 m, ISO, M5)
- Manganese phosphated profile steel chain with increased service life and improved dry-running properties

Easy to operate

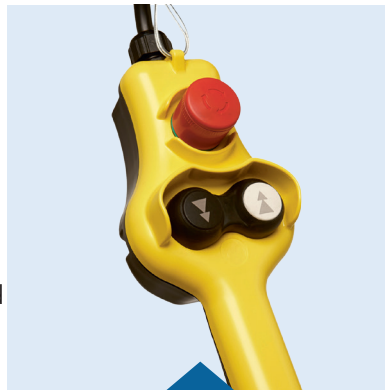
- Low dead weight from 14 kg
- Compact housing with low headroom
- Protection class IP65; suitable for outdoor use
- Geared limit switches with high accuracy in positioning of the highest and lowest hook position
- Ergonomic control switch with emergency stop
- 42 V low voltage control
- Quiet running with 3-step drive and helical gearing
- 2 speeds as standard
- Load hook rotated through 360 degrees, with locking safety catch and rubber buffer
- No special tools for maintenance needed
- Easy to maintain, wearing parts can be changed easily and quickly
- Short delivery time

Customer specific

- Three- or single-phase power
- Worldwide operation voltages
- Various control voltages
- Direct control, special control, radio remote control, frequency inverter
- Special speeds
- Special versions such as synchronised electric chain hoist, low headroom version, corrosion resistant version, ATEX
- Eyebolt or hook suspension
- Hook path with upper and lower end position individually adjustable
- Temperature monitoring
- Operating data counter
- Wide range of accessories and options
- **DGUV V17/18** model available
- UP-SIDE-DOWN model available
- One-handed operation with controls on hand grip



UP TO **60%**
MORE CAPACITY.



Control switch

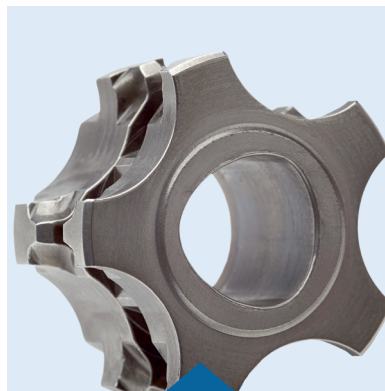
The control switch fits comfortably in your hand and is ergonomically designed. It is robust, impact-resistant, safe to operate and controlled by 42 V low voltage.

Push buttons placed in parallel increase the ease of operation. The external strain relief protects the control cable.



Profile steel chain

The higher cross-sectional area reduces wear and increases the lifetime of the chain. The PEH has a chain safety factor of at least 8-times (FEM, 2 m, ISO, M5). The case hardened and manganese phosphated profile steel chain provides about 15% more capacity at an identical nominal diameter compared to the round steel chain.



Polygonal connection

The inner part of the modularly designed chain hoist embodies real innovation. All shaft-hub connections are built to a polygonal design.

This allows significantly faster disassembly and assembly during maintenance and thus reduces service costs.



Protection class IP65

A feature of the hoist and the control switch is the protection class IP65.

It is dust proof and protected against water jets. As it is compact and robust designed, the GP is best suited for dusty environments as well as for outdoor operation.

Basic version with contactor control

Equipment:

- Lifting capacity PEH: up to 2,500 kg
- Lifting capacity GCH: up to 5,000 kg
- 3 x 400 V / 50 Hz
- 42 V low voltage control
- 3 phase motor (3 ph): 2 speeds
- 1 phase motor (1 ph): 1 speed
- Standard lifting height 3 m

- Control cable length 1.8 m
- Eyelet suspension
- Geared limit switches
- Protection class IP65
- Isolation class F (motor)
- DC spring-loaded brake
- Slipping clutch not in the flow of forces

Accessories and options:

- Direct control
- Other operating / control voltages on request
- Single handed operation with controls on the handle
- Hook suspension / Safety load hook, self-closing
- Geared limit switches with high accuracy in positioning of the highest and lowest hook position
- Synchronized hoists
- Operating data counter
- Manual brake release
- Chain container for various lifting heights
- Lifting heights up to 90 m
- Manual trolleys
- Gear grease for low temperature use / food industry
- Ergonomic control switch with emergency-stop
- **DGUV V17/18** model available
- UP-SIDE-DOWN model avail



PEH with eyelet suspension

TYPE	Capacities in kg acc. ISO (FEM)*					Lifting speed with load m/min. 50 Hz	Number of chain falls	Chain size mm	Motor power kW	3 x 400 V 50 Hz A	Weight with 3 m lift kg	Weight each meter add. lift kg	Order No. PEH with 3 m lift	Order No. Add lift per m
	M3 (1Bm)	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)									
PEHM 250/1NF	-	320	250	200	-	8/2	1	3.75 x 10.75	0.72/0.18	2.8/1.7	24	0.34	H21520	H21521
PEHM 250/1SF	-	-	125	100	-	16/4	1	3.75 x 10.75	0.72/0.18	2.8/1.7	24	0.34	H21522	H21521
PEH 250/1NF	400	320	250	200	160	8/2	1	3.75 x 10.75	0.72/0.18	2.8/1.7	24	0.34	H21524	H21521
PEH 250/1SF	-	160	125	100	-	16/4	1	3.75 x 10.75	0.72/0.18	2.8/1.7	24	0.34	H21526	H21521
PEH 250/1N	400	320	250	200	160	8	1	3.75 x 10.75	0.72	2.8/1.7	24	0.34	H21528	H21521
PEH 250/1N 1Ph	-	-	250	200	160	8	1	3.75 x 10.75	0.55	4.7 (1x 230 V)	24	0.34	H21530	H21521
PEH 250/1NL 1Ph	-	-	250	200	160	4	1	3.75 x 10.75	0.55	4.7 (1x 230 V)	24	0.34	H21532	H21521
PEH 250/2NF	-	630	500	400	320	4/1	2	3.75 x 10.75	0.72/0.18	2.8/1.7	25	0.34	H21534	H21535
PEH 250/2N	-	630	500	400	320	4	2	3.75 x 10.75	0.72	2.8	25	0.34	H21536	H21535
PEH 250/2N 1Ph	-	-	500	400 (M5)	320 (M5)	4	2	3.75 x 10.75	0.55	4.7 (1x 230 V)	25	0.34	H21538	H21535
PEH 250/2NL 1Ph	-	-	500	400 (M5)	320 (M5)	2	2	3.75 x 10.75	0.55	4.7 (1x 230 V)	25	0.34	H21540	H21535
PEH 500/1NF	800	630	500	400	320	8/2	1	5.25 x 15	0.72/0.18	2.8/1.7	26	0.69	H21542	H21543
PEH 500/1SF	-	320	250	200	160	16/4	1	5.25 x 15	0.72/0.18	2.8/1.7	26	0.69	H21544	H21543
PEH 500/1N	800	630	500	400	320	8	1	5.25 x 15	0.72	2.8	26	0.69	H21546	H21543
PEH 500/1N 1Ph	-	-	250	200 (M5)	160 (M5)	8	1	5.25 x 15	0.55	4.7 (1x 230 V)	26	0.69	H21548	H21543
PEH 500/1NL 1Ph	-	-	500	400 (M5)	320 (M5)	4	1	5.25 x 15	0.55	4.7 (1x 230 V)	26	0.69	H21550	H21543
PEH 500/2NF	-	1,250	1,000	800	630	4/1	2	5.25 x 15	0.72/0.18	2.8/1.7	28	0.69	H21552	H21553
PEH 500/2N	-	1,50	1,000	800	630	4	2	5.25 x 15	0.72	2.8	28	0.69	H21554	H21553
PEH 500/2N 1Ph	-	-	500	400 (M5)	320 (M5)	4	2	5.25 x 15	0.55	4.7 (1x 230 V)	28	0.69	H21556	H21553
PEH 500/2NL 1Ph	-	-	1,000	800 (M5)	630 (M5)	2	2	5.25 x 15	0.55	4.7 (1x 230 V)	28	0.69	H21558	H21553
PEH 1000/1NF	1,600	1,250	1,000	800	630	8/2	1	7.45 x 23	2.3/0.68	5.7/4.1	58	1.37	H21600	H21609
PEH 1000/1SF	-	630	500	400	320	16/4	1	7.45 x 23	2.3/0.68	5.7/4.1	58	1.37	H21601	H21609
PEH 1000/1N	1,600	1,250	1,000	800	630	8	1	7.45 x 23	2.3	6.5	57	1.37	H21602	H21609
PEH 1000/1NL	1,600	1,250	1,000	800	630	4	1	7.45 x 23	1.5	6.5	62	1.37	H21603	H21609
PEH 1000/2NF	-	2,500	2,000	1,600	1,250	4/1	2	7.45 x 23	2.3/0.68	5.7/4.1	62	1.37	H21604	H21610
PEH 1000/2N	-	2,500	2,000	1,600	1,250	4	2	7.45 x 23	2.3	6.5	61	1.37	H21605	H21610
PEH 1000/2NL	-	2,500	2,000	1,600	1,250	2	2	7.45 x 23	1.5	6.5	66	1.37	H21606	H21610

FEM classification:

Quantity of starts at pendant control per hour

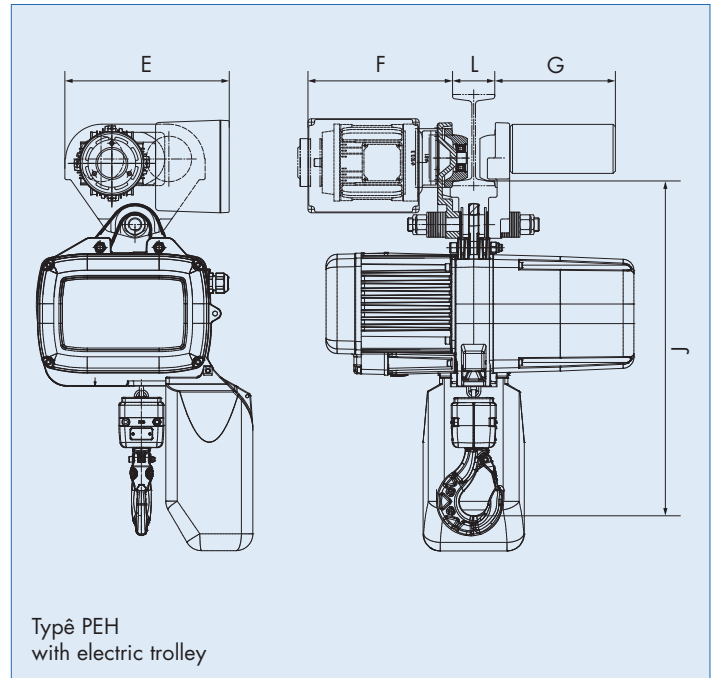
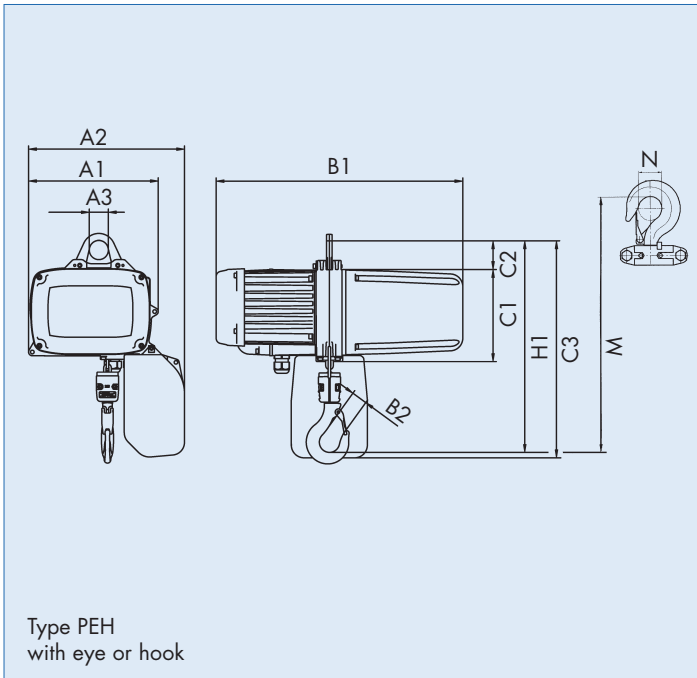
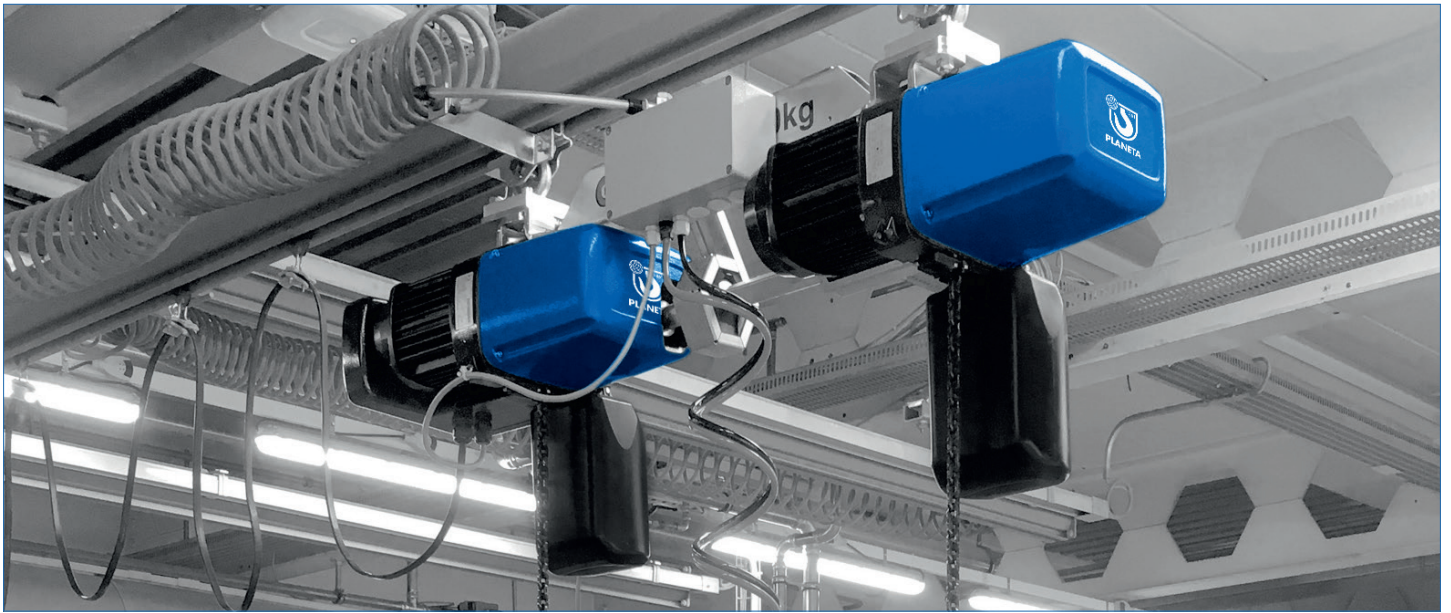
M3 (1Bm) = 150 starts per hour, 25% duty cycle

M4 (1Am) = 180 starts per hour, 30% duty cycle

M5 (2m) = 240 starts per hour, 40% duty cycle

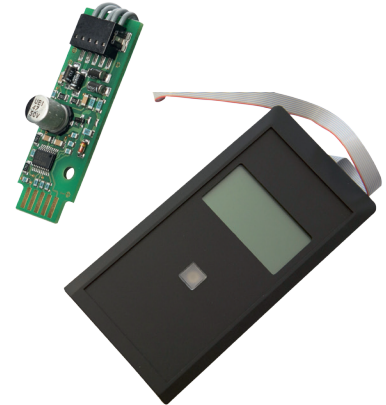
M6 (3m) = 300 starts per hour, 50% duty cycle

M7 (4m) = 360 starts per hour, 60% duty cycle



TYPE (Dimensions)		PEH 250/1	PEH 250/2	PEH 500/1	PEH 500/2	PEH1000/1	PEH1000/2
A1	mm	246	246	246	246	328	328
A2	mm	296	296	296	296	385	385
A3	mm	Ø 40	Ø 40	Ø 40	Ø 40	Ø 52	Ø 52
B1	mm	444	444	444	444	548	548
B2	mm	24	24	24	24	33	33
C1	mm	162	162	162	162	212	212
C2	mm	49	49	49	49	85	85
C3	mm	462	462	462	462	598	598
E	mm	278	278	278	278	293	293
F	mm	250	250	250	250	253	253
G	mm	209	209	209	209	211	211
H1	mm	400	414	414	453	519	578
J	mm	455	481	463	502	594	654
L	mm	50 – 99	50 – 99	50 – 99	50 – 99	76 – 139	76 – 139
M	mm	475	506	488	528	592	651
N	mm	Ø 42	Ø 42	Ø 42	Ø 42	Ø 51	Ø 51

PLANETA - PEH accessories & options



3 Safety radio remote control

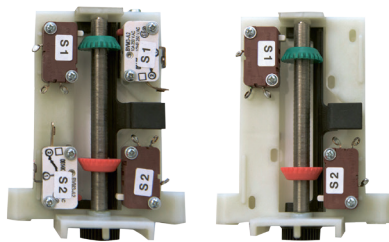
The 295 gram lightweight, very rugged handheld transmitter is powered by a rechargeable lithium ion battery and has a protection class of IP66. The receiver which is integrated in a stable housing has a protection class of IP65. With its certified STOP function the receiver meets the requirements of SIL 3 Performance Level PL e. The receiver connects with the chain hoist via a multi-pin plug.

Safety load locking hook

The standard load hook has a spring mechanism that prevents the load from inadvertently detaching from the load hook. The mechanical interlocking of the hook lug of the 360° rotatable and 180° swivelling safety load hook secures the transported goods. The locking load hook closes automatically under load and must be manually unlocked for opening.

Operating data counter

The installation of an operating data counter gives the user additional safety during operation and can extend the life of the electric chain hoist when under-used. By analysing the operating hours and the number of circuits on a mobile reading device or a PC / laptop the optimum maintenance cycle can be set.



Geared limit switch

With the integrated geared limit switch (3 ph.) the upper and lower end position of the load hook can be set easily, precisely and are easily accessible. Optionally, to increase safety, two additional emergency stop contacts are available. High speed shutdown and external limit switch for high lifting heights are other options.

Frequency inverter

Electric chain hoist, motorised trolley or the complete crane system can be operated using frequency inverters. The soft start ensures the accurate and gentle start and positioning of goods and minimises oscillating motion. The speeds and ramps for lifting and travelling can be programmed to suit the application.

Raincover

of Textilee material, protects the chain hoist during outdoor use