

POWER - POWER A

**DESIGN FOR THE
HARSHEST WORKS,
IT FACES
ANY CHALLENGE**



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Designed to operate in harsh environments or off-road applications, POWER hookloaders ensure easy and safe handling of loads up from 10 to 24 t. The constant availability of lifting capacity of the POWER hooklift allows optimal use, even in difficult working conditions, even if the load exceeds the expected weight, and if the container is in a ditch.

It can be installed on chassis from 10 to 32 t GVW, covering all the jobs that require powerful and robust equipment: in agriculture, construction, off-road and several other application areas.

The exclusive design of the POWER category, articulated or not, provides a reserve of power to lift containers from ditches and offers great versatility in handling and transporting equipment or transferring to trailers. The POWER equipped vehicle will always be able to face the challenge!

When working conditions already require a lot of attention, it is important to be able to count on particularly reliable equipment. Within the wide range of PALFINGER hookloaders, the POWER series has the highest safety factor in the calculation of the mechanical structure. Therefore, the users that are most safety-conscious, choose the POWER model for handling their containers.





POWERFUL, ROBUST, VERSATIL AND SO MUCH MORE

Its lifting capacity remains the same for any frame height.
Its robust design fit for tough applications.
It is able to load in pit or high trailers.
Its requires minimal maintenance.

PERFORMANCE



Power reserve to accept every challenges

The optimal position of the cylinder ensures lifting power whatever the loading conditions (mud, slope...). The equipment is not pushed to its maximum capacity, the work tool is preserved.

From pit load...

Its special rotating cinematic allows easy handling even deep below ground level.

... to high load

Short or long rear lifting device allows transfer to trailer, dock or container with legs – available from P17.

Precise or pressed, adapt the speed to the needs

Rapid motion reduces the cycle time by half by increasing the hookloader speed – available from P14. Bi-speed allows low speed to easily catch the container bar.

SAFETY AND COMFORT



Front hydraulic locking secure the containers

The front locking increases the stability during transportation of high containers or those with an elevated centre of gravity. It also allows the loading and use of special containers (cranes on cradles, compactors on cradles, etc.) Bolted design for more flexible positioning on the subframe - from P 14.

Hydraulic telescopic underride protection improve safety

Function integrated on cab control with information when the URP is out (transport position).

PAD control with display, for clear information in real time

Interactive system with display (maintenance counter, time meter...). The PAD control allows access to the "emergency mode" to ensure a return to the warehouse even in case of failure.

Low loading angle avoid load slipping

The articulated arm extends the container length range and optimises the loading angle. Thus reduces the spillage risk.



ROBUSTNESS



Less wear, to reduce down-time and maintenance

Due to its cinematic, the POWER loads the container without sliding. All parts are accessible, which allows quick and easy maintenance. The triangle of forces means less pressure and less wear on hydraulic parts.

Casted parts to enhance robustness

Casted parts such as hook, rear pivots, hinge supports, rear pulleys provide longevity and robustness.

Increased lifetime to improve profitability

Before assembling the main components are sand-blasted, -degreased, primer painted and final coated. All other parts are anticorrosion treated. According ISO 12944 Class 3–15 years.

Years of experience brings us closer to customer's needs

Benefit of more than 50 years of experience in hookloader design and manufacturing and a constant will to improve our answer to current and future market needs.

STRONG SERVICE PARTNER WORLDWIDE

A STRONG NETWORK FOR BIG TASKS

For PALFINGER, as a premium manufacturer, service means more than technical support, service is our promise of quality. Our partners are continuously trained and evaluated to count always on the highest service quality. We take care of the fastest possible availability of spare parts and the development of digital tools that make everyday working life easier.

Your success is important to us. In order to meet the expectations of our customers, our partners and we are around the globe available with around 5,000 service points.



To optimize your business performance, by reducing machine downtimes and repairs costs, we offer you the PALFINGER Service Contracts from 1 to 6 years.

- Outsourced service with an authorized PALFINGER workshop
- Boost product uptime with preventive maintenance
- Full control and transparency of ongoing costs
- Increased resale value
- Maximised product turnover
- Reduced product life costs up to 37% when your product is protected with a full PALFINGER Service Contract
- Extended product service life

TECHNICAL SPECIFICATIONS

	UNIT LENGTH mm	CONTAINER LENGTH mm	WEIGHT kg	MAX. TIPPING ANGLE °	TRANSPORT HEIGHT mm
P10	3250-4600	3400-5400	1030-1110	55	220
P10A	3250-4600	2800-5400	1150-1230	55	220
P14	4200-5550	4200-6000	1550-1750	52	220
P14A	4050-5550	3400-6000	1720-1950	52	220
P17	4600-5950	4500-7000	1950-2250	50	240
P17A	4700-5950	3750-7000	2050-2400	50	240
P20	4600-6450	4500-7600	2150-2550	50	240
P20A	4700-6450	3750-7600	2250-2700	50	240
P24	4900-6650	4750-8000	2400-2800	49	280
P24A	5000-6650	4000-8000	2550-2900	49	280

Subject to technical changes, specifications are non binding – container lengths depending on standard & road regulation.

FIND THE PERFECT CHASSIS

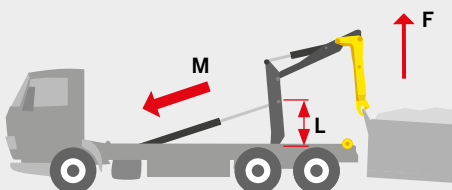
GVW (t)	P 10	P 14	P 17	P 20	P 24
32+					
32					
28					
26					
24					
21					
18/19					
16					
14					
12					

WHY IS IT SO POWERFULL ?

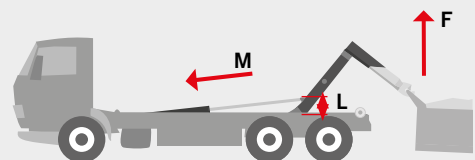
POWER A hookloader

$$\text{Lifting force (M)} = \text{Load (F)} \times \text{Lever arm (L)}$$

Standard hookloader



The optimum cylinder position ensures its enormous power.



The flat cylinder position in container loading phase requires a lot of lifting capacity for a standard hookloader.

FOCUS ON POWER A ONE FOR ALL

REPLACES A DUMP TRUCK

POWER A hookloader



Dump truck



LIMIT THE SLIPPING OF A LOAD

POWER A hookloader



Standard hookloader

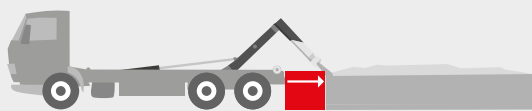


HELPS IN TIGHT SPACES

POWER A hookloader



Standard hookloader



UNDERGROUND LOADING AS DEEP AS 0.9 M

POWER A hookloader



Standard hookloader



LOADS CONTAINERS WITH DIFFERENT LENGTHS

POWER A hookloader - long container



POWER A hookloader - short container



KP-POWERAM3+EN

Hookloaders shown in the leaflet are partially optional equipped and do not always correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary. Subject to technical changes, errors and translation mistakes.