

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 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 meet the challenge!

When working conditions already require a lot of attention, it is important to be able to count on very 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, VERSATILE AND SO MUCH MORE

Its lifting capacity remains the same for any frame height.
Its robust design is 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 HP 20.

Precise or pressed, adapt the speed to the needs

Rapid motion reduces the cycle time by half by increasing the hookloader speed – available from P 14.
Bi-speed allows low speed to easily catch the container bar.

SAFETY AND COMFORT



Front hydraulic locking secures 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.

Hydraulic telescopic underride protection improves safety

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

Central lubrication for safe and easy maintenance

Save time with central lubrication in one point located at a safe and convenient location for the operator.
Ease the weekly maintenance process to increase uptime and life cycle. (automated or manual pump).

Low loading angle avoids load slipping

The articulated arm extends the container length range and optimises the loading angle, thus reducing 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 to 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 PARTNERS WORLDWIDE

A STRONG NETWORK FOR BIG TASKS

For PALFINGER, as a premium manufacturer, service means more than just technical support, service is our promise of quality. Our partners are continuously trained and evaluated to always count 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, we and our partners are available around the globe 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

TEC LINE

PRECISE ADAPTATION TO EACH APPLICATION

Available on HP models

The TEC line brings flexibility and state of the art features, opening up the possibility to add various options to improve equipment, in terms of comfort, performance and safety. The standard configuration benefits from performance improvement compared to the previous one, always making our equipment more reliable in every situations that may occur in a daily work-shift.

TEC – TECHNOLOGY RANGE

The TEC hookloader is the advanced tech version offering digital perspectives. This is the right choice when owners and users need smart assistance to preserve the equipment and have an easy overview of the hooklift status. TEC units are equipped with the innovative V Drive control and can be operated via the radio remote control as option.

The variant meets individual customer requirements, resulting in a level of flexibility that spans a wide range of applications (environment, construction, agriculture, public services...). Indeed, PALFINGER's engineering teams are constantly developing new intelligent functions throughout the life cycle of the equipment.



Take advantage of the standard TEC features and add optional ones to improve daily jobs depending on needs.


- **EFFICIENCY IN OPERATION AND TIME SAVING**
- **COMFORT IN OPERATION FOR OPERATORS**
- **FLEXIBILITY FOR EASY ADAPTATION TO CUSTOMER AND USE**
- **SAFER OPERATIONS**
- **PREVENT DOWNTIME AND SAVE WORKSHOP COSTS**

V DRIVE CAB CONTROLLER

At the cutting edge of controller technology, the V DRIVE offers intuitive day-to-day operations. The versatility of the screen allows you to manage all your options, connected systems and accessories from a single controller. Benefit from all functionalities in a compact and ergonomic item with a smart design.

With 5 screens and dozens of possibilities to adapt the icons to the exact functions required, the V Drive cab controller is the most complete and flexible tool of our offer. Its intelligent conception ensures its ability to remain up to date and ready for future changes in requirements and the addition of new functionalities.

AN INTUITIVE DAILY TOOL



ERGONOMIC CONTROL
One single lever to control precisely all container movements.

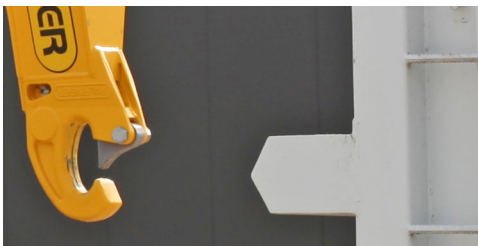
VISIBILITY OF INFORMATION
Coloured and large icons providing live status feedback. High degree of graphical customisation for specific functions.

VERSATILE MODES
Select the mode you want to operate, the relevant screen will be displayed and the functionalities of the side buttons will be adapted.

FUNCTIONAL DESIGN
Tailor-made to allow intuitive hookloader controls.

OPTIONS DESIGNED FOR YOU

Whether the priority is to make daily work easier and more efficient, to increase safety or to work as comfortably as possible, PALFINGER always seeks to provide state-of-the-art solutions by offering several options to upgrade equipment. Add PALFINGER's hooklift expertise from the start or add it later with a retrofit.



MEMORY POSITION

Pre-set hook height stop including soft landing to ease and smooth operations. The connection to a container is much easier. Soft landing saves the truck, the hookloader, the container and the ground from damages. The memory position option reduces the stress of the hookloader system by preventing lifting the rear end of the truck and also includes automatic opening of the safety latch.



PROPORTIONAL CONTROL

The single lever proportional control offers a high level of comfort for the operator with smooth movements during operations. Precise control of the hook, even at high speed, is also appreciated when it comes to working within confined spaces. Heavy loads can be handled in a safer manner and helps to extend the lifetime of the mechanical parts.



ADVANCED RAPID MOTION

The advanced rapid motion option increases the performance and saves time during container handling. More daily rotations are possible with less dead time and drivers avoid blocking the location for longer than necessary. It reduces the cycle time by enabling high speed operation while extending (-50%) and retracting (-30%) cylinders.



SILENT MODE

Whether it's to keep a sleepy street quiet or to reduce the sound level of a noisy site, the "Silent mode" option improves working conditions while maintaining a high level of safety. The traditional buzzer is replaced by three flashing lights to warn of possible arm movement. Perfect for electrified trucks to maintain silent working conditions.



SYSTEM MONITORING

For a better control of operations from inside the cab. Drivers can see accurately and without effort, what they are doing, thanks to cameras displayed on a touch screen. The automatization of cam selection smooths the operation and allows it to stay focused on handling, to be able to react immediately if needed.



AUTOMATIC CYCLE

Whether it's unloading, loading or tipping, the automatic sequence control of the PALFINGER hooklift performs all necessary hydraulic functions automatically one after the other. Simply select the function, operate the joystick and the work cycle is complete. The movements are now carried out autonomously in the planned sequence.



PRESSURE RELEASE COUPLERS

To reduce daily effort and costs, this option enables the pressure release in the hydraulic couplers directly from the cabin control by moving the spool without the PTO engaged. Connecting and disconnecting trailers, container back doors etc. becomes much easier and more convenient.



CONNECTED

Thanks to the user-optimised views, FLEET MONITOR, OPERATOR MONITOR and SERVICE COCKPIT contained in PALFINGER CONNECTED, the back office and the hooklift operator are connected at all times. Each user receives the relevant information about the device clearly at a glance and can achieve maximum uptime for devices with the least possible administrative effort.

TECHNICAL SPECIFICATIONS

	UNIT LENGTH mm	CONTAINER LENGTH mm	WEIGHT kg	MAX. TIPPING ANGLE °	TRANSPORT HEIGHT mm
P 10	3250-4600	3400-5400	1030-1110	55	220
P 10 A	3250-4600	2800-5400	1150-1230	55	220
P 14	4200-5550	4200-6000	1550-1750	52	220
P 14 A	4050-5550	3400-6000	1720-1950	52	220
HP 17 A	4700-5950	3750-7000	2050-2400	50	240
HP 20 A	4700-6450	3750-7600	2250-2700	50	240
HP 24 A	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

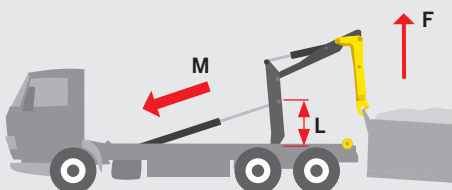
GVW (t)	P 10 (A)	P 14 (A)	HP 17 A	HP 20 A	HP 24 A
32+					
32					
28					
26					
24					
21					
18/19					
16					
14					
12					

WHY IS IT SO POWERFUL ?

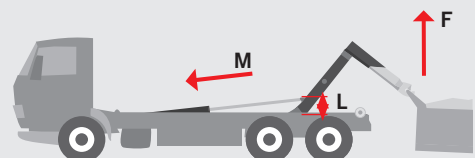
POWER A hookloader

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

Standard hookloader



The optimum cylinder position ensures its great power.



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

ONE EQUIPMENT FOR ALL SITUATIONS

REPLACES A DUMP TRUCK

POWER A hookloader



Dump truck



LIMIT THE SLIPPING OF THE LOAD

POWER A hookloader



Standard hookloader

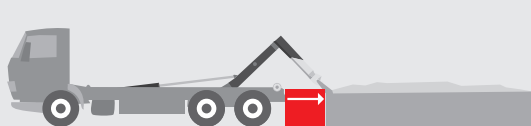


HELPS IN TIGHT SPACES

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-POWERAM4+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.