

PK 720 TEC

PRECISION AND PERFORMANCE ABOVE ITS CLASS



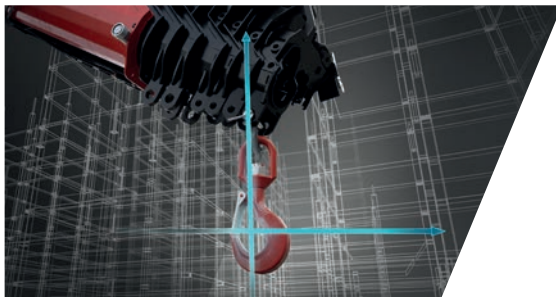
PK 720 TEC – PRECISION AND PERFORMANCE ABOVE ITS CLASS

The PK 720 TEC delivers industry-leading lifting capacity, making it the clear choice for demanding construction projects. It combines maximum precision with smooth operation, even when handling heavy loads at its highest reach, due to an impressive Fly Jib lifting capacity above the 70 mt class of cranes.

Built for efficiency and comfort, the PK 720 TEC features **SUPPORT FORCE LIMIT** to ensure that stabilizer forces transferred to the ground, depending on the conditions at the job site, are not exceeded. In addition, it utilizes the new **LIGHTING SYSTEM**, featuring two working lights on the crane and fly jib, as well as LED strips under the knuckle boom, significantly improving visibility of the load and surroundings.

The new **HEIGHT & BOUND** feature brings two new assistance systems to ensure you can focus on the lifting job, and not the job site, by easily blocking off hazardous areas:

- HEIGHT limits how far the crane can reach in height
- BOUND creates a virtual wall that can't be crossed



SMART CONTROL*

Precise crane tip control with just one lever instead of controlling individual functions

SMART CONTROL is the innovative and easier way to control the crane tip horizontally, vertically and diagonally in all directions with just one lever movement. The system recognizes by itself heavy loads on the hook and automatically compensates the deflection of the crane. This means that precise work can be carried out even more comfortably. The fly jib can be controlled as usual. This makes controlling a crane much easier.



SUPPORT FORCE LIMIT*

Monitoring support forces for enhanced safety

SUPPORT FORCE LIMIT is a new assistance system for the crane that continuously measures support forces and alerts the operator in case of overload. This ensures that the permitted support loads – depending on ground conditions and the specific job site – are not exceeded. As a result, structural damage is prevented, and specific requirements for special operations can be precisely met.



MEMORY POSITON*

Storage of up to 4 crane positions for more efficient work

With MEMORY POSITION, the operator can save defined crane positions including fly jib and rope winch for each operation and approach them exactly by using only one or two levers. Regardless of whether previously saved without a load and then start up again with a load, the system automatically compensates for the respective deflection. Positions that are often the same, like above the loading area of the truck, can also remain saved and do not have to be set new each time.



P-FOLD*

Perfectly ready for use with just one lever

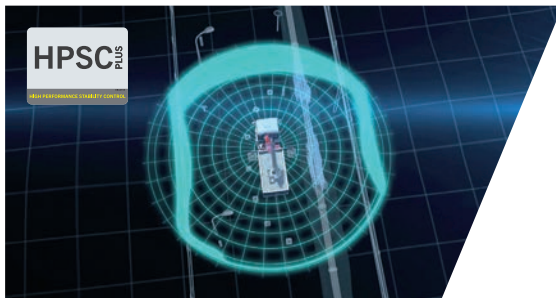
The P-Fold assistance system makes folding and unfolding a breeze for the operator. With just one lever movement, the TEC crane can be laid apart and folded up again quickly and without damage. This reduces set-up time to a minimum. The RTC (Rope Tension Control) system is an ideal addition if a rope winch is existing.



LEVELING ASSISTANT*

Up to 80 % time savings when leveling the vehicle

The LEVELING ASSISTANT simplifies the stabilizing process overall by optimally leveling the vehicle. The process itself takes place through pulsating movements of the stabilizer cylinders. With just one lever movement on the remote control, optimal leveling is achieved by pulsating movements of the stabilizers. In order to achieve the best possible vehicle inclination for each individual application, the operator can choose between two versions, „steep position“ or „HPSC“.



HPSC-PLUS*

Maximum utilization of the working area

HPSC-Plus offers three modules to expand the proven stability system HPSC. Due to load detection (LOAD), length measurement system (GEOM) or stabilizer force detection (FSTAB) the lifting capacity of the TEC-range can be fully utilized at every point on the stability curve, regardless of whether space conditions are tight or not.



DUAL POWER SYSTEM (DPS-C)*

Full lifting power for efficient fly jib operation

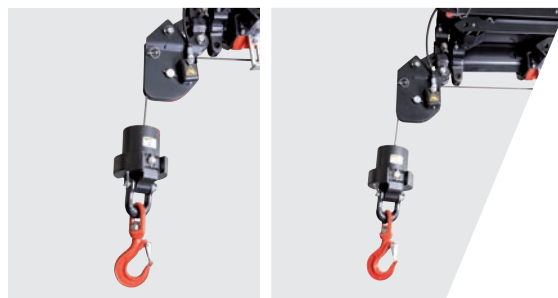
The Dual Power System enables a significant increase of lifting capacity on the fly jib. The system shows its strengths in the TEC crane with fly jib, especially with large outreach, and increases the areas of application. DPS-C can continuously select the pressure range that suits the respective position and get even more lifting power out of the TEC crane at any time.



CONTINUOUS SLEWING SYSTEM

Unrestricted Movement

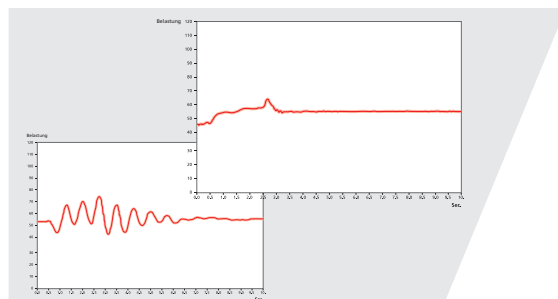
The continuous slewing system offers full flexibility and efficiency in any operation. This feature enables faster unloading, as the crane can be slewed to the desired position using the shortest possible route. This means working in almost any direction without having to reposition the vehicle.



SRC & RTC*

More comfort in rope winch operation

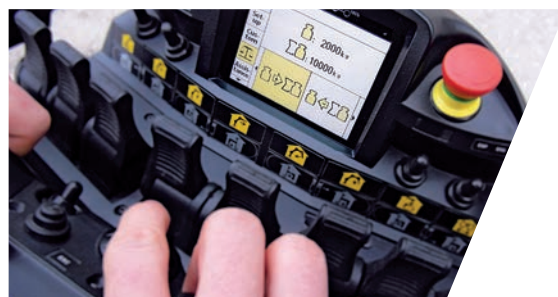
The Synchronized Rope Control (SRC) maintains the distance between pulley head and hook blocks constant while the crane is being operated. In this way, the operator always has the certainty that the distance to the load remains constant. The Rope Tension Control (RTC) extends operator comfort by automatically controlling the rope length at any time and at any position. The combination of these two systems significantly increases the comfort for the operator and also increases the efficiency of each rope winch operation.



AOS*

Oscillation-free work

Active Oscillation Suppression (AOS) is a patented assistance system from PALFINGER, which compensates vibrations and shocks in the vertical direction during crane operation. This reduces backswing to a minimum and ensures a consistently high standard of safety when transporting a load or emptying big bags.



MEXT & WEIGH*

Extended gain in safety and comfort

Thanks to the assistance systems MEXT & WEIGH, working is even safer and more comfortable. MEXT monitors the mechanical extensions and integrates them into the overload protection. On the one hand, the out-range is increased and, on the other hand, the maximum load capacity is adapted to the respective extension. WEIGH enables the load to be weighed directly at the crane tip. It is also possible to summarize the last ten loads with the date and time.



LANE LOCK*

Maximum Safety – The LANE LOCK feature for your loader crane

Unwanted slewing into dangerous areas such as oncoming traffic or restricted zones is effectively prevented with the innovative LANE LOCK assistance function. A preset lock can be activated via the menu of the RRC, reliably limiting the loader crane's slewing range. With flexible adaptation to the vehicle design and intuitive operation, full control is ensured at all times – for enhanced safety and precision on every job site.



SLEWING LOCK*

Custom Locking Zones – Limitation with the SLEWING LOCK function

Full control over the loader crane can be maintained while specifically blocking unauthorized slewing areas. With the SLEWING LOCK function, custom angles can be set to safely restrict dangerous zones. Two points can be defined via the remote control to establish the restricted area – ensuring maximum control and safety, regardless of the vehicle's position.



HEIGHT & BOUND*

Two new assistance systems – in one package, for even more safety

With HEIGHT, an innovative height limitation system, a defined height within the working area is not exceeded. By moving the crane tip to the desired height and setting a point, HEIGHT can be easily configured via the radio remote control. Alternatively, the height limit can be set manually in meters. Once the crane reaches this limit, it automatically stops all lifting and extension movements.

The BOUND function provides a useful enhancement of the SLEWING LOCK thanks to full sensor integration on the crane. By setting just two points, a „virtual wall“ is created that limits the crane's movement range. This allows for easy blocking off hazardous areas on the job site.

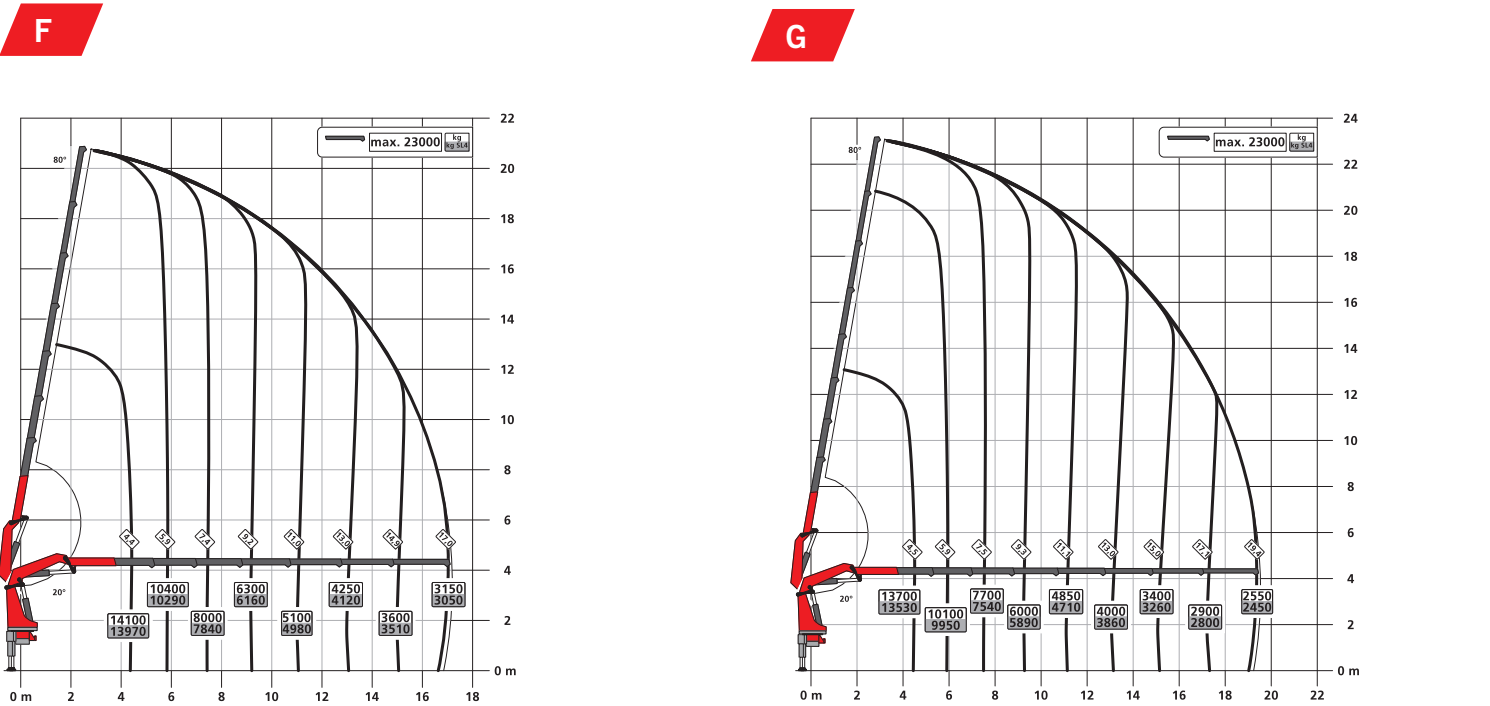


PALFINGER EQUIPMENT

Perfectly coordinated crane tools for more efficient, more comfortable and safer work

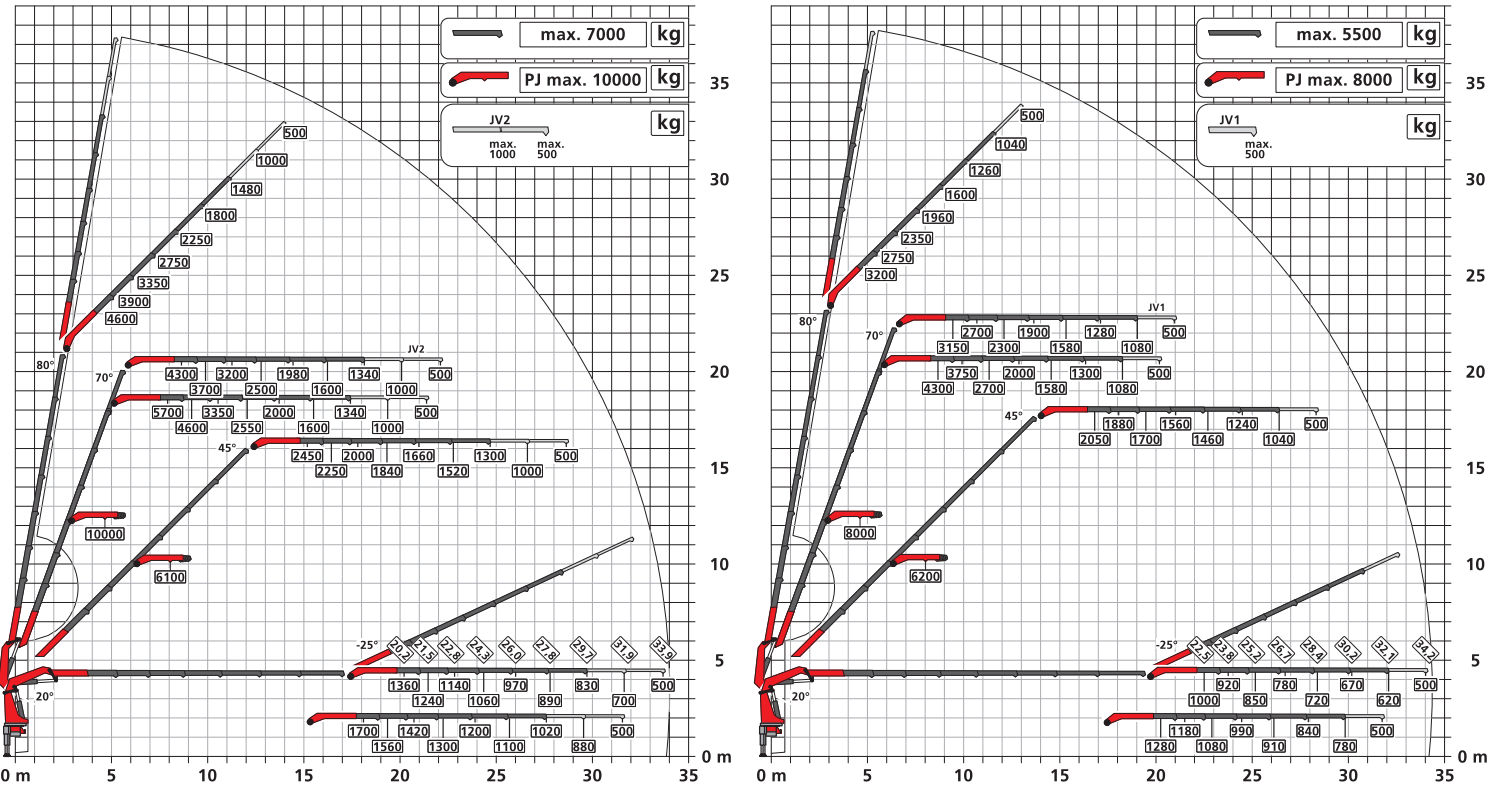
We know - our customers are professionals, and professionals will only be satisfied with the best equipment to make TEC cranes a multifunctional solution. No matter what the application is, if required, we have the right equipment for the perfect overall solution.

LIFTING CAPACITY DIAGRAMS

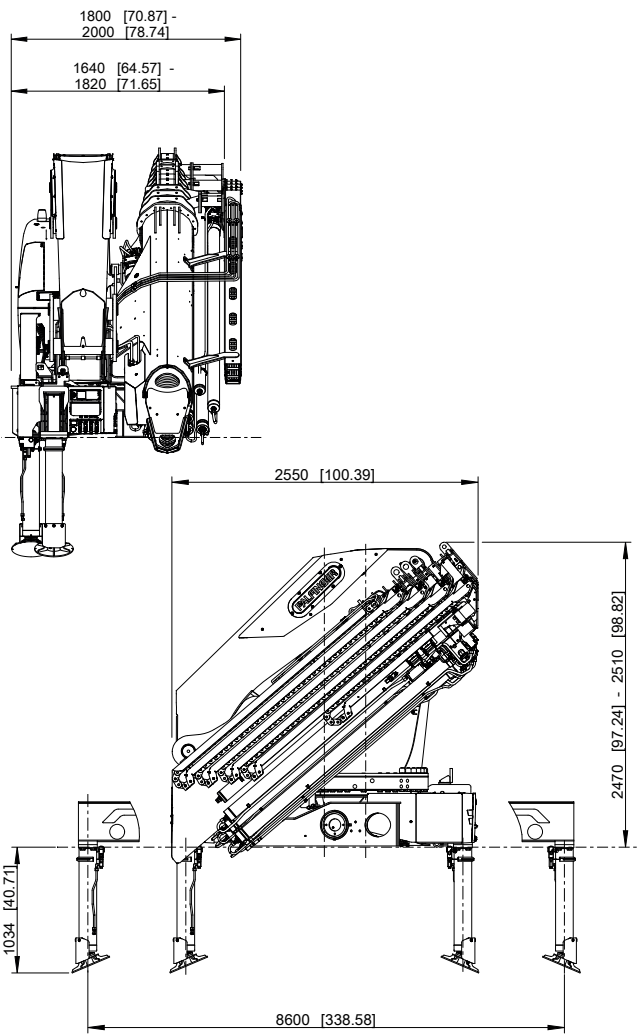


PK 720 TEC F PJ190 EJV2 DPS-C

PK 720 TEC G PJ150 EJV1 DPS-C



DIMENSIONS



TECHNICAL SPECIFICATIONS

EN 12999 HC1 HD5/S1	
Max. lifting moment	68.7 mt / 673.9 kNm
Max. lifting capacity	23,000 kg / 225.6 kN
Max. hydraulic outreach	22.0 m
Max. outreach with fly jib and mech. extension (JV1)	34.4 m
Slewing angle	continuous
Slewing torque	7.3 mt / 71.6 kNm
Stabilizer spread (Std.)	8.60 m
Fitting space required (Std.)	1.64 m
Crane width folded	2.55 m
Max. operating pressure	385 bar
Recommended pump capacity	from 100 l/min to 130 l/min
Dead weight (Std.)	from 6,440 kg

EQUIPMENT VERSION

- STANDARD

 - Radio remote control P6 or PALCOM P7
 - FLOW
 - PALTRONIC 180
 - Control valve LX-6
 - Soft Stop
 - High Power Lifting System S-HPLS (+15 %)
- Powerlink Plus
 - Inclination Angle Monitoring IAM
 - Slewing Angle Monitoring SAM
 - Boom Angle Monitoring BAM
 - Stabilizer Extension Monitoring SEM
- OPTIONAL

 - SMART CONTROL
 - MEMORY POSITION
 - LEVELING ASSISTANT
 - P-FOLD
 - LANE LOCK
 - SLEWING LOCK
 - SUPPORT FORCE LIMIT
 - HEIGHT & BOUND
 - Workman Basket
 - Fall Protection Mode FPM
 - Active Oscillation Supression AOS
 - Synchronised Rope Control SRC
- Rope Tension Control RTC
 - High Performance Stability Control HPSC-PLUS LOAD | GEOM | FSTAB
 - Dual Power System Continuous DPS-C at fly jib with BEM
 - Mechanical Extension Monitoring MEXT
 - Load weighing function WEIGH
 - Boom Extension Monitoring BEM
 - Multifunction adapter fly jib MFA-J
 - Rope winch 2,5 t / 3,5 t

Version	PJ 150	PJ 190
		E
	C, E	

KP-PK720TECM1+EN
11/2025

Cranes 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.