

SCANIA

PK 580 TEC

G 500 B6X4 NB

CONTRACT NUMBER: PALDRIVE 717

NEW

ON REQUEST



SPECIFICATION

All images are from a reference project



PK 580 TEC

lifting moment	55,0 mt
max. outreach incl. Fly-Jib	29,2 m
max. lifting capacity	17.700 Kg
swivel range	endless
rope winch type	3,5to



MCC-INSTALLATION

detachable Platform

Platform length	3.550 mm
Platform width	2.480 mm
frontwall height	1.400 mm
side & rearwall height	500 mm
loading height	1.340 mm

OFFER INFORMATION

Location details

MCC-NORTH SOLEC, 86-050 - Poland

Dealer Name

Palfinger EMEA GmbH

Availability

On request

Product type

New

Contract number

Paldrive 717

Dealer E-mail

sales@palfinger.com

Dealer phone

004366488345792

5th wheel

Manufacturer	Jost
type	JSK-SL-E032-X6
slider	XXL Slider
slider moving range	1.066 mm
locking positions	21

**SCANIA G 500 B6X4 NB**

construction year	2026
power	500 Hp
gearbox	G33CM + Opticruise
main Wheelbase	3.550 mm
cabin	CG20N
GSR II options	yes

PRODUCT

Manufacturer	Palfinger	Lifting moment	55,5 mt
Model	PK 580 TEC	Outreach / Lifting power	29,2 m / 640 kg

TRUCK

Truck manufacturer	Scania	Axes	6x4
Construction year	2026	Gross vehicle weight	26.000 kg
Drivers cabine	CG20N	Dead weight	22.700 kg
Power	500 PS	Payload	3.300 kg
Emmission standard	EURO 6	Construction	Sattelzugmaschine

PK 580 TEC

HYDRAULIC & TECHNICS

- 6 hydraulic boom extensions (E)
- High-speed boom extension system with return oil recovery
- Swivel range endless
- Hydraulic support leg extension (max.support width 7.800mm)
- Support legs can be swiveled hydraulically through 180°
- Additional hydraulic support (support width ca. 7.100 mm)
- Hose equipment for two additional devices including quick coupling (multi-faster)
- 3,5to cable winch on the main arm (hydr. foldable)
- Rope length: 66m

ASSISTANCE SYSTEMS

- Paltronic 180
- HPSC + LOAD
- Remote controlled stabilizers
- CPS (cabin protection)
- FPS (Frame Protection System)
- P-FOLD (Folding Assistant)
- Weigh function
- AOS (Active Oscillation Suppression)
- SRC (Synchronised Rope Control)
- RTC (Rope Tension Control)

EQUIPMENT

- Palcom P7 radio remote control /7 functions with cross levers
- Working lights on the articulated arm
- 11,5to load hook
- 2 strand rope equipment on the Crane

PJ 150

CONFIGURATION

- 6 hydraulic extensions (E)
- High-speed extension system with return oil recovery
- Hydr. tiltable upwards by 25°
- 1 strand rope equipment for the PJ 150
- Working light at the PJ 150
- PJMFA - Multifunctional adapter



- MFA-L (multifunctional adapter)
- Painting RAL3020
- hydraulic oil tank 300 l

INSTALLATION



- installation type: Tractor body for combined operation
- 5th wheel operation + detachable platform
- platform inner dimensions: 3.550mm x 2.480mm
- Front wall: height 1.400 mm including working lights and towing points
- Side- and rearwalls height: 500 mm
- Platform floor 27 mm plywood, impregnated and sealed
- loading height: 1.340mm
- 5th wheel type: Jost JSK-SL-E032-X6 + XXL slider
- 5th wheel height 173mm, D-value 152kN, 2" lock
- 6 working lights
- 2 reversing lights
- Rear view camera
- Heavy duty tool box with a load capacity of 500 kg
- 2 pcs. of heavy duty chain-trays at the additional stabilizers
+ bracket for 1 strand load block
- Three-part telescopic ladder
- Trailer coupling: RF40 G 150 A
- 2 wheel chocks

SCANIA G 500 B6X4 NB

- Engine: 500 Hp, torque max. 2.650 Nm
- Gearbox: G33CM + Opticruise + retarder
- Axle distance: 3.550mm + 1.350mm

- air suspension on all axles
- Fuel tank 440l / AD-Blue 73l
- Tires 1st axle: 385/65R22.5
- Tires driven axles: 315/80 R22.5
- Rims on all axles: aluminium Alcoa Lvl ONE
- Cabin colour: RAL7021 / chassis colour:
Scania Sub Grey
- Cabin type: CG20N
- Premium Cabin interior
- auxiliary heating: 3kW
- Multifunctional steering wheel
- Infotainment system equipped with 10.1-inch
colour display
- GSR II options included



Traglastdiagramm PK 580 TEC E PJ150 EJV1 DPS-C

Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.

Krandarstellung symbolisch

DPS-C
Dual Power System



:Eigengewicht JV1
40 kg

Die Tragkräfte laut Diagramm verringern sich bei Verwendung von mechanischen Verlängerungen um deren Eigengewicht.
Die Tragkräfte laut Diagramm verringern sich bei Verwendung von Schlauchausrüstung am Fly-Jib.



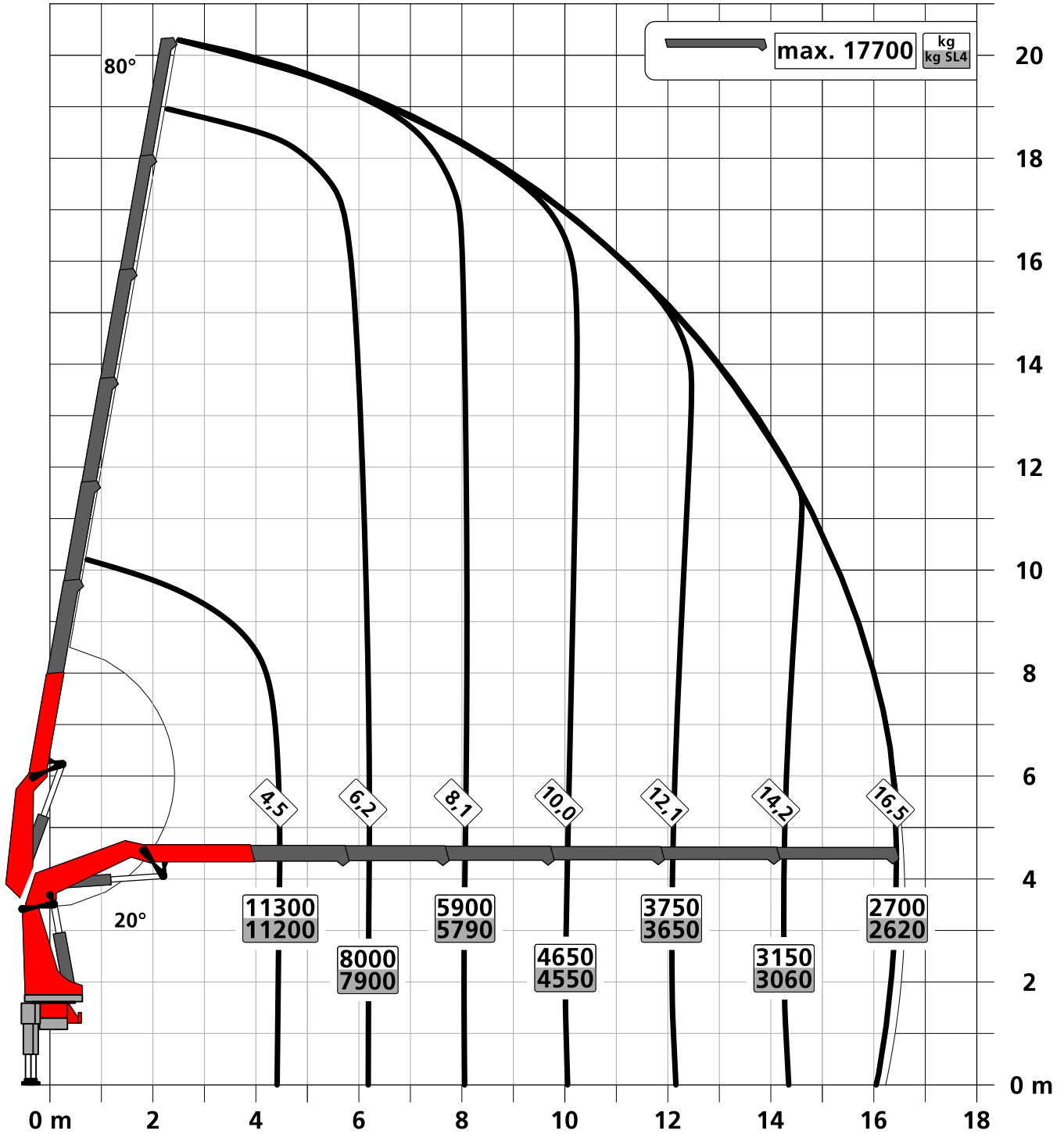
Zulässige Traglasten für Seilwinde siehe Datenblatt

Seite 020.21000 2.5t

Seite 020.21100 3.5t

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Krandarstellung symbolisch



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Seite 020.21000 2.5t

Seite 020.21100 3.5t

PK 580 TEC

HEAVY-DUTY CRANE WITH PRECISION



PK 580 TEC THE PRECISION EXPERT

It is one of the precision experts in the heavy-duty crane segment. The TEC crane, like all its siblings, is in a league above the crane designation. With this crane we have optimally used previous knowledge and integrated the brand new **PALTRONIC 180** with the precise **LX-6 CONTROL VALVE**. This makes numerous new assistance systems possible, which again significantly increase the comfort of the PALFINGER TEC crane operator. The unmistakably elegant and functional design of the P-Profile crane also makes the PK 580 TEC something very special.



P-PROFILE

Lightweight construction in perfection

The polygonal or teardrop-shaped P-profile is the signature feature of the PALFINGER TEC-range. The torsion-resistant profile shape ensures a torsionally stable and at the same time lighter extension boom system. This results in a lower crane weight with higher performance. The extension booms also slide much better regarding the special shape and the self-lubricating plastic packages. This also means a particularly low-maintenance. The P-profile thus enables more efficient use in everyday work.



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-P / 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. While DPS-Plus recognizes two positions of the last extension boom and uses two pressure ranges, 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.



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.



SMART CONTROL*

Precise crane tip control with just one lever instead of individual ones to control 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.



MEMORY POSITION*

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.



CONTINUOUS SLEWING SYSTEM

Unrestricted Movement

The continuous slewing system offers full flexibility and efficiency during every 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.



BODY BUILDING BY EXPERTS

Know-how and expertise from professionals

PALFINGER body builders and the Mounting Competence Center get the maximum performance out of every TEC crane with a well thought-out vehicle body. Carefully matched individual components create a complete overall solution.



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.

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.

PALFINGER SERVICE CONTRACTS MAXIMIZE YOUR UPTIME

TAILORED TO YOUR NEEDS

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

	 PURE	 PERFORM	 PRO	 PRIME
Oil Maintenance	●	●	●	●
Regular Service	—	●	●	●
Legal Inspection *	—	●	●	●
Connected Premium**	○	○	●	●
Repair Service	—	—	●	●
Wear Parts Service	—	—	—	●
Monthly Maintenance	—	—	—	○

● Standard ○ Optional — Not available

*Legal inspection subject to country specific laws.
**Hardware to be purchased with product, availability for your product has to be checked.

Our goal is to offer prevention and backup with complete cost transparency. You can plan your expenditure and do not have to worry about unforeseen workshop costs. We simplify your processes and allow you to focus on your core business.

THE BENEFITS AT A GLANCE

- 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

LIFTING CAPACITY DIAGRAMS



TECHNICAL SPECIFICATIONS

EN 12999 HC1/HD5 S1

Max. lifting moment	55.5 mt/544.8 kNm
Max. lifting capacity	20,000 kg/196.2 kN
Max. hydraulic outreach	21.2 m
Max. outreach with fly jib and mech. extension (JV1)	33.7 m
Slewing angle	continuous
Slewing torque	5.9 mt/57.9 kNm
Stabilizer spread (Std.)	7.8 m
Fitting space required (Std.)	1.44 m
Crane width folded	2.55 m
Max. operating pressure	385 bar
Recommended pump capacity	from 90 l/min to 120 l/min
Dead weight (Std.)	4,670 kg

EQUIPMENT VERSION

STANDARD

- PALCOM P7
- FLOW
- PALTRONIC 180
- Control valve LX-6
- Soft Stop
- High Power Lifting System S-HPLS (+15 %)
- Powerlink Plus
- DPS-Plus at fly jib
- Inclination Angle Monitoring IAM
- Slewing Angle Monitoring SAM
- Boom Angle Monitoring BAM
- Stabilizer Extension Monitoring SEM

OPTIONAL

- LEVELING ASSISTANT
- P-FOLD
- SMART CONTROL
- MEMORY POSITION
- Workman Basket
- Fall Protection Mode FPM
- Active Oscillation Suppression AOS
- High Performance Stability Control HPSC-PLUS LOAD | GEOM | FSTAB
- Synchronised Rope Control SRC
- Rope Tension Control RTC
- 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

FLY JIB

Version	PJ 090	PJ 150
PK 580 TEC E		C, E
PK 580 TEC F	B, C	C, E
PK 580 TEC G	B, C	

UNBEATABLE OUTREACH WITH FLY JIB



KP-PK580TECM1+EN
12/2022

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.