EXCLUSIVELY FROM PALFINGER: AOS – THE ACTIVE OSCILLATION SUPPRESSION SYSTEM

PK 56002
Performance

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Technical Specifications (DIN 15018 H1-B3)

Max. lifting moment 529.7 kNm 54.0 mt 390540 ft.lbs
Max. lifting capacity 19000 kg 186.4 kN 41890 lbs
Max. hydraulic outreach 20.5 m 67' 3''
Max. outreach (with fly jib) 29.7 m 97' 5''
Slewing angle endless
Slewing torque 44.1 kNm 4.5 mt 32510 ft.lbs
One slewing gear 8.7 kW/11.7 HP 50050 E.LRs

Recommended pump capacity from 80 l/min 17.6 imp.gal/min 21.1 US gal/min to 100 l/min 22.0 imp.gal/min 26.4 US gal/min

Dead weight standard crane 4890 kg 10780 lbs

Executions shown in the leaflet are not always corresponding to standard execution. Design and specification are subject to change without prior notice. Country-specific regulations are to be considered for the crane installation.

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03/02
The PK 56002 Performance excels by virtue of its versatility. The extensive equipment included as standard and its universal range of applications make it the ideal partner for the work you perform. The endless slewing mechanism fitted as standard optimises the precision of the slewing movement.
**Included as Standard:**

- Internally routed oil ducts
  
  The internally routed oil ducts permit a compact design for the extension system and ensure perfect protection from damage.

- Endless slewing mechanism
  
  The standard endless slewing mechanism provides an unrestricted work radius. As a result, the crane operates much more quickly and cost-efficiently.

- Control valve
  
  In combination with the PALFINGER radio control system, the load-sensing proportional valve enables extremely smooth and precise operation.

- Load-holding valves
  
  They prevent the crane arm from dropping and are fitted as standard onto the slewing mechanism, elevating arm, and extension cylinders. The valves are positioned in such a way that they are protected from being damaged.

- Outrigger system
  
  The 8.6 m outrigger system fitted as standard ensures optimal stability. As an option, it can be supplied with support cylinders that can be hydraulically swivelled up 180°. The control valves for crane and additional support are mounted as standard on the base frame. The switchover between crane and support control takes place electrically. Spirit level and hour counter are mounted as standard in the support control valve console.

- Hose equipment for accessories
  
  With this option, you can provide the oil supply to accessories. The hoses are routed in compact trays and plastic link chains. They are therefore optimally protected.

- Return oil utilisation
  
  The high speed of the extension system is impressive. It results from return oil utilisation, which is installed as standard, and the generously dimensioned hydraulic lines. This makes for increased efficiency in any type of work.

- Advanced Package
  
  - Oil cooler mounted
  - Electronic HPLS
  - Capacity display on control console
  - PALFINGER radio control
  - PALTRONIC 50
  - Functional Design

- AOS
  
  The Active Oscillation Suppression system, which is available exclusively from PALFINGER, compensates for jolts and sharp stress cycles caused by crane operation. Because oscillations are eradicated, the crane can work with pin-point accuracy, much more quickly and therefore more cost-efficiently.

- Functional Design
  
  - Cover in the area of the control valve
  - Hoses covered behind the crane column
  - Support system with internally routed hydraulic hoses

- Additional hinged arms
  
  To extend the range of applications of the PK 56002 Performance, additional hinged arms are available in several designs and for various arm versions.
WITH ADDITIONAL HINGED ARMS AND UP TO 8 HYDRAULIC EXTENSIONS

Max. lifting capacities

PK 56002 Performance A
Hydraulic
max. Capacity: 18740 kg/41310 lbs
Outreach Capacity
4.4 m 14’ 5” 11810 kg 26040 lbs
5.8 m 19’ 0” 8990 kg 19820 lbs
7.5 m 24’ 7” 6960 kg 15340 lbs

PK 56002 Performance B
Hydraulic
max. Capacity: 18550 kg/40890 lbs
Outreach Capacity
4.4 m 14’ 5” 11610 kg 25600 lbs
5.8 m 19’ 0” 8790 kg 19380 lbs
7.5 m 24’ 7” 6770 kg 14930 lbs

PK 56002 Performance C
Hydraulic
max. Capacity: 18290 kg/40320 lbs
Outreach Capacity
4.4 m 14’ 5” 11430 kg 25200 lbs
5.8 m 19’ 0” 8580 kg 18920 lbs
7.5 m 24’ 7” 6550 kg 14440 lbs

PK 56002 Performance D
Hydraulic
max. Capacity: 17420 kg/38400 lbs
Outreach Capacity
4.4 m 14’ 5” 11240 kg 24780 lbs
5.8 m 19’ 0” 8370 kg 18450 lbs
7.5 m 24’ 7” 6220 kg 13930 lbs

PK 56002 Performance E
Hydraulic
max. Capacity: 17070 kg/37630 lbs
Outreach Capacity
4.4 m 14’ 5” 11050 kg 24360 lbs
5.8 m 19’ 0” 8170 kg 18010 lbs
7.5 m 24’ 7” 6110 kg 13470 lbs

PK 56002 Performance G
Hydraulic
max. Capacity: 15730 kg/34680 lbs
Outreach Capacity
4.4 m 14’ 5” 10760 kg 23720 lbs
5.8 m 19’ 0” 7910 kg 17440 lbs
7.5 m 24’ 7” 5810 kg 12810 lbs

The max. lifting capacities are indicated for a 20° main boom position and are therefore not the maximum ones.