

**PK 44502 / 48002 EH**

**PALFINGER**

LIFETIME EXCELLENCE

**A PERFECT COMBINATION OF ELECTRONICS  
AND HYDRAULICS ALLOWS HIGH LIFTING  
POWER AND MAXIMUM PROFITABILITY**



# LIFETIME EXCELLENCE

**PALFINGER LOADER CRANES ARE OUTSTANDING WITH THEIR SUPERIOR LIFE-CYCLE PERFORMANCE. THEY ARE THE MOST ECONOMICAL AND ALSO THE MOST RELIABLE OVER THE ENTIRE PRODUCT LIFE. FROM SOLUTION FINDING TO RESALE.**

BETTER  
SOLUTIONS

BETTER  
EFFICIENCY

BETTER  
ERGONOMICS

HIGHER VALUE  
RETENTION



HIGHER  
AVAILABILITY

HIGHER  
SERVICEABILITY

BETTER  
ECOLOGY

MORE  
RELIABILITY



- Maximum utilisation of the working range thanks to HPSC
- Additional applications with Power Link Plus
- Shorter load cycle times thanks to High Speed Extension
- High value retention due to KTL coating
- High operator friendliness thanks to radio remote control





# FIRST-RATE IN DESIGN AND PERFORMANCE

## 12 HIGHLIGHTS



**POWER LINK PLUS**  
HIGH VARIETY OF USES

With the 15-degree reverse linkage system, you can reach through low door openings and also work inside buildings. Heavy crane work – even in difficult conditions.



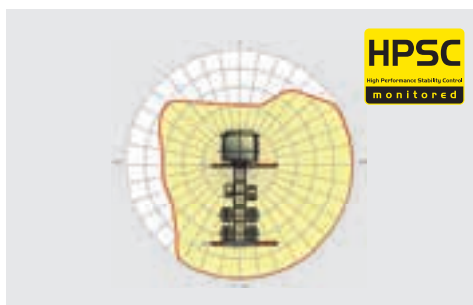
**LOW-MAINTENANCE EXTENSION SYSTEM**  
REDUCES SERVICE TIME

With sliding elements made of synthetic material and the high-quality KTL coating, this boom system significantly simplifies service performed by the operator. This saves time and money – and protects the environment.



**HIGH SPEED EXTENSION**  
FOR EFFICIENT ASSIGNMENTS

The High Speed Extension speeds up the extension boom system. Crane works faster and more efficiently.



**HPSC**  
MAXIMUM UTILISATION OF THE WORKING RANGE

The variable stabiliser positioning of the High Performance Stability Control System makes it possible to utilise the lifting capacity to the maximum. It enables working within tight spaces.



**PAL 50**  
COMFORT AND SAFETY

The PALTRONIC 50, PALFINGER offers the latest control electronics for the series production crane. The custom designed electronic operates and monitors the crane and offers more efficiency in use and safety.



**CONTROL CONSOLE**  
ALL INFORMATION AT A GLANCE

All important information about the crane can be seen on the main control stand. A digital indicator counts and displays the operating hours. Ergonomic control levers and the optional lighting package provide increased safety and comfort even in poor visibility conditions.



**KTL – CATHODIC DIP PAINTING**  
FOR RETAINING HIGH VALUE

The UV-resistant coating guarantees long-term surface protection. Perfect appearance during the entire lifetime for maximum resale value.



**FUNCTIONAL DESIGN**  
PRACTICAL AND ATTRACTIVE

Robust plastic covers protect crane parts against dirt and damage. Better appearance and increased operational comfort – during the entire lifetime.



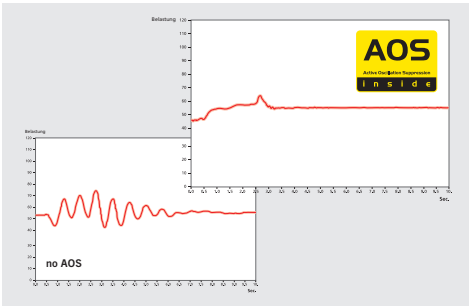
**RADIO REMOTE CONTROL**  
DIALOGUE WITH THE OPERATOR

PALFINGER radio remote controls are equipped with linear lever or cross lever and provide the greatest possible comfort for the operator. All EH models with LED-Display inform the crane operator



**HOSE EQUIPMENT FOR ATTACHMENTS**  
VERSATILE AND USER-FRIENDLY

The hose equipment offers an easy means of connecting auxiliary equipment. The hose equipment is guided in hose trays for protection.



**AOS**  
MAXIMUM PRECISION AND SAFETY

The active oscillation suppression system prevents "post-oscillation" in the event of rapid braking or load changes. The stress peaks on the extension boom system are reduced and material fatigue and wear are minimised. This increases the resale value.



**LIGHTING PACKAGE**  
MORE CRANE SAFETY PARTICULARLY AT DUSK AND DARK

LEDs which backlight the control panel make it easier to read off the crane functions and provide the crane operator with a quick overview of the entire panel during the working process. LED warning lights in the supporting cylinders mean greater safety for crane operator and passers-by.

**KTL**  
protected

**Paltronic 50**  
controlled

**RRC**  
Radio Remote Control  
operated

**HPSC**  
High Performance Stability Control  
monitored

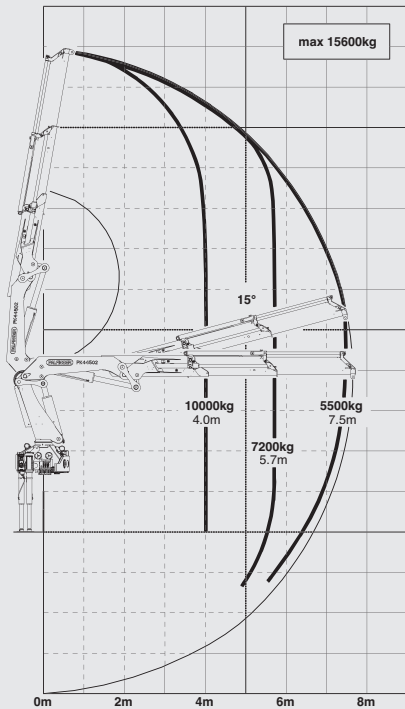
**AOS**  
Active Oscillation Suppression  
inside

\* Optional features / country-specific equipment

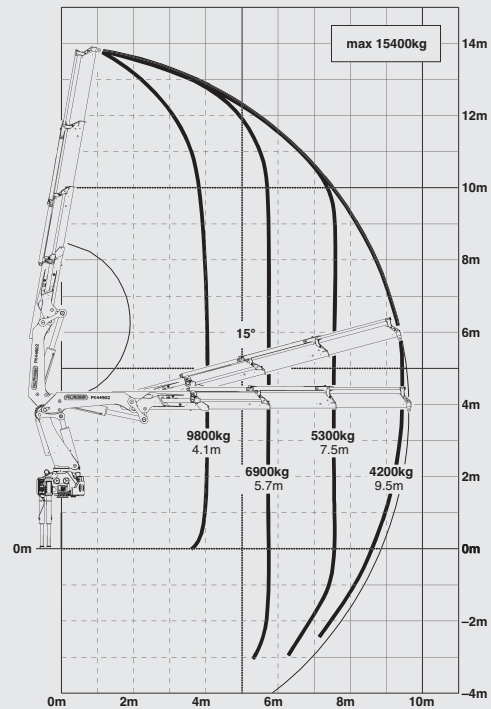
# PK 44502

## HIGH PERFORMANCE

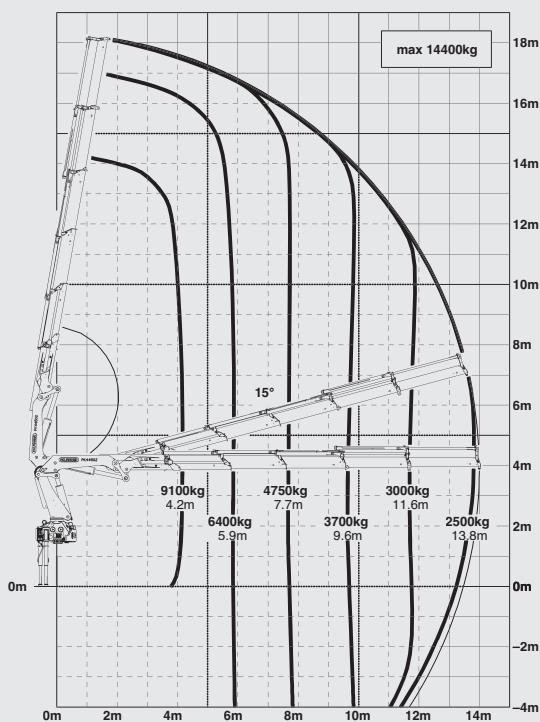
A



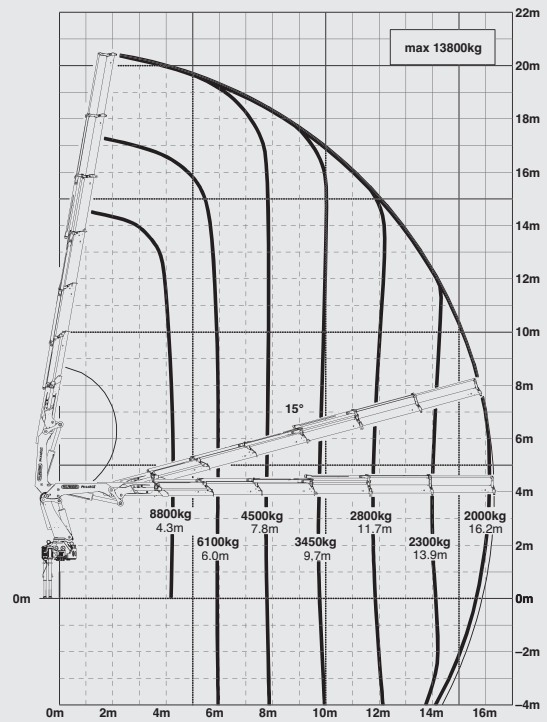
B



D

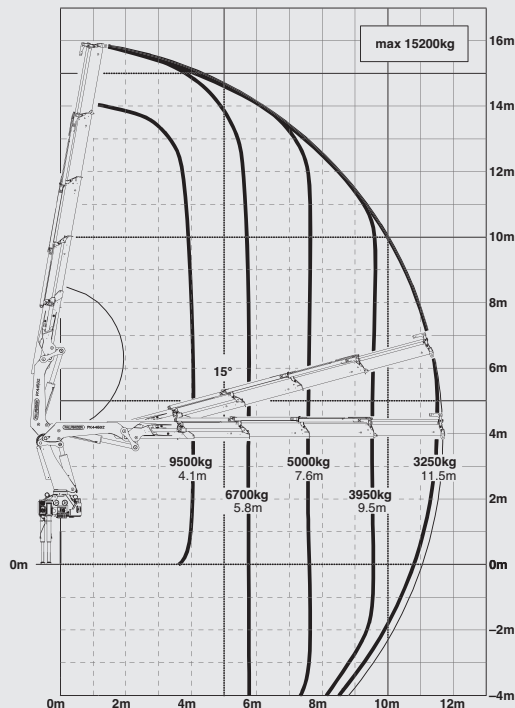


E



# PROFITABLE HEAVY-DUTY CRANE TECHNOLOGY

C



## LIFTING CAPACITIES

| A     | max.   | 15600 kg | 153,0 kN  |
|-------|--------|----------|-----------|
| 4,0 m | 13' 1" | 10000 kg | 22100 lbs |
| 5,7 m | 18' 8" | 7200 kg  | 15800 lbs |
| 7,5 m | 24' 7" | 5500 kg  | 12100 lbs |

| B       | max.   | 15400 kg | 151,1 kN  |
|---------|--------|----------|-----------|
| 4,1 m   | 13' 5" | 9800 kg  | 21500 lbs |
| 5,7 m   | 18' 8" | 6900 kg  | 15200 lbs |
| 7,5 m   | 24' 7" | 5300 kg  | 11600 lbs |
| 9,5 m   | 31' 2" | 4200 kg  | 9200 lbs  |
| 11,6 m* | 38' 1" | 3300 kg  | 7300 lbs  |
| 13,9 m* | 45' 7" | 2650 kg  | 5900 lbs  |
| 16,2 m* | 53' 2" | 2200 kg  | 4800 lbs  |

| C       | max.    | 15200 kg | 149,1 kN  |
|---------|---------|----------|-----------|
| 4,1 m   | 13' 5"  | 9500 kg  | 21000 lbs |
| 5,8 m   | 19' 0"  | 6700 kg  | 14700 lbs |
| 7,6 m   | 24' 11" | 5000 kg  | 11100 lbs |
| 9,5 m   | 31' 2"  | 3950 kg  | 8700 lbs  |
| 11,5 m  | 37' 9"  | 3250 kg  | 7200 lbs  |
| 13,7 m* | 44' 11" | 2600 kg  | 5800 lbs  |
| 16,1 m* | 52' 10" | 2150 kg  | 4700 lbs  |
| 18,4 m* | 60' 4"  | 1780 kg  | 3950 lbs  |

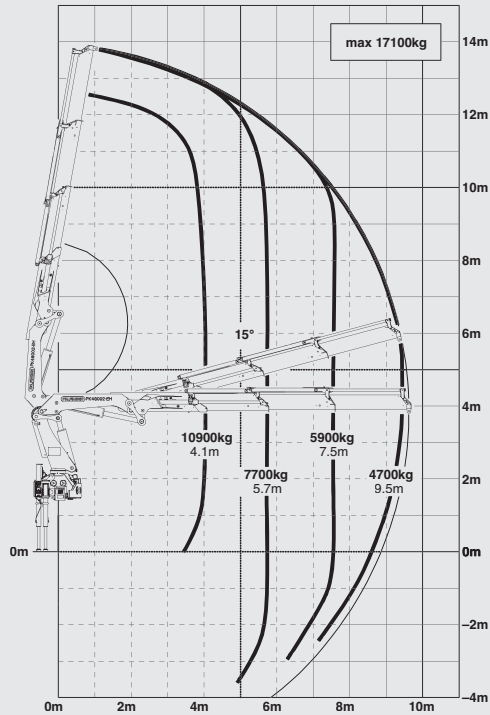
| D       | max.   | 14400 kg | 141,3 kN  |
|---------|--------|----------|-----------|
| 4,2 m   | 13' 9" | 9100 kg  | 20100 lbs |
| 5,9 m   | 19' 4" | 6400 kg  | 14000 lbs |
| 7,7 m   | 25' 3" | 4750 kg  | 10500 lbs |
| 9,6 m   | 31' 0" | 3700 kg  | 8100 lbs  |
| 11,6 m  | 38' 1" | 3000 kg  | 6600 lbs  |
| 13,8 m  | 45' 3" | 2500 kg  | 5500 lbs  |
| 16,2 m* | 53' 2" | 2050 kg  | 4500 lbs  |
| 18,5 m* | 60' 8" | 1700 kg  | 3750 lbs  |
| 20,8 m* | 68' 3" | 1440 kg  | 3150 lbs  |

| E       | max.    | 13800 kg | 135,4 kN  |
|---------|---------|----------|-----------|
| 4,3 m   | 14' 1"  | 8800 kg  | 19300 lbs |
| 6,0 m   | 19' 8"  | 6100 kg  | 13500 lbs |
| 7,8 m   | 25' 7"  | 4500 kg  | 9900 lbs  |
| 9,7 m   | 31' 10" | 3450 kg  | 7700 lbs  |
| 11,7 m  | 38' 5"  | 2800 kg  | 6100 lbs  |
| 13,9 m  | 45' 7"  | 2300 kg  | 5100 lbs  |
| 16,2 m  | 53' 2"  | 2000 kg  | 4350 lbs  |
| 18,5 m* | 60' 8"  | 1640 kg  | 3600 lbs  |
| 20,8 m* | 68' 3"  | 1250 kg  | 2750 lbs  |
| 23,1 m* | 75' 9"  | 900 kg   | 1980 lbs  |

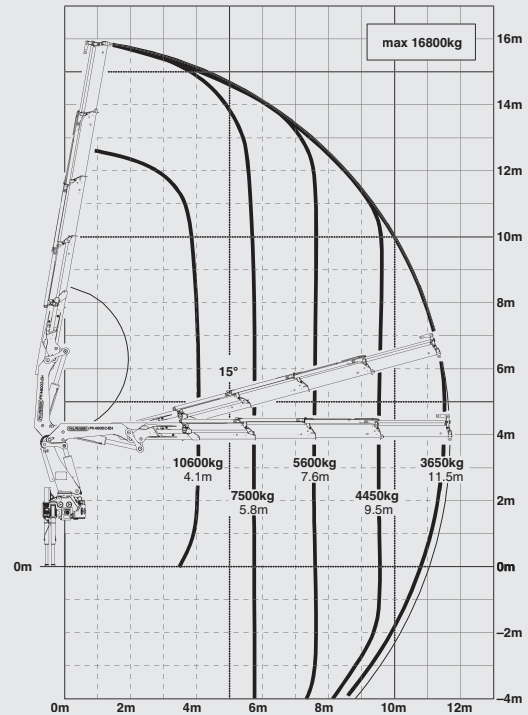
# PK 48002 EH

## HIGH PERFORMANCE

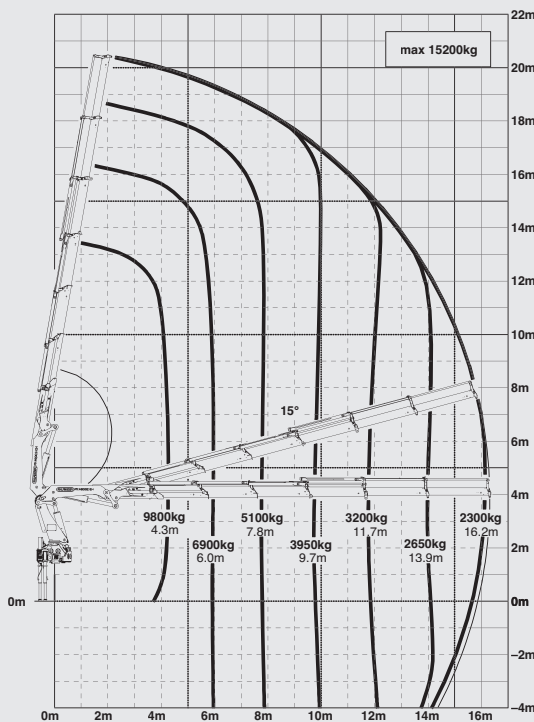
B



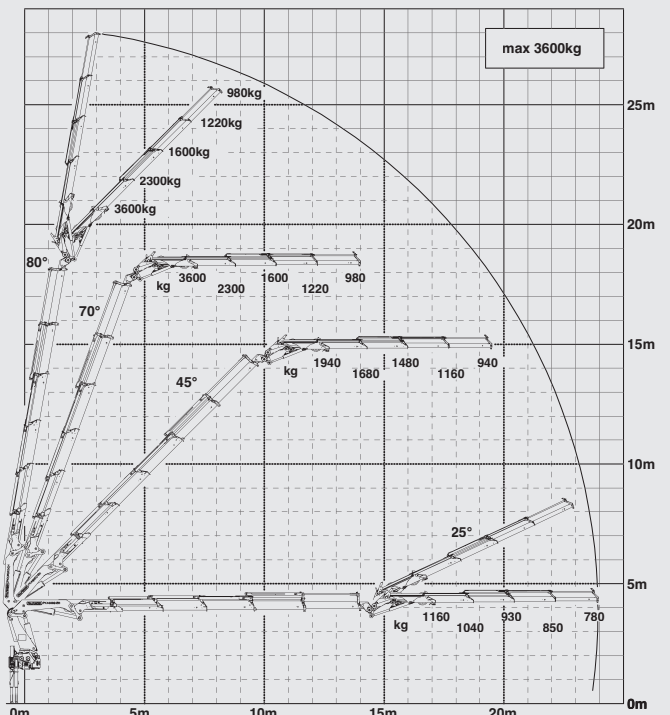
C



E



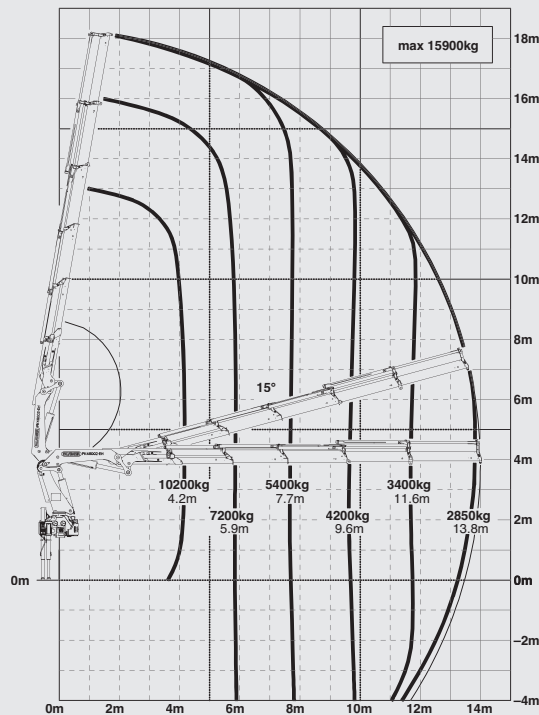
D PJ100C



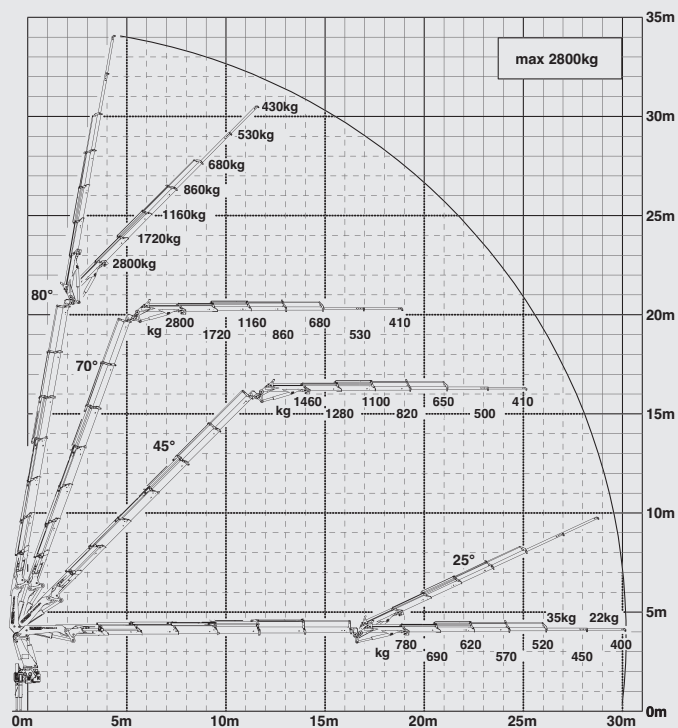


# MAXIMUM FUNCTIONALITY AND FLEXIBILITY

D



E PJ080C JV2



## LIFTING CAPACITIES

| A     | max.   | 17400 kg | 170,7 kN  |
|-------|--------|----------|-----------|
| 4,0 m | 13' 1" | 11100 kg | 25400 lbs |
| 5,7 m | 18' 8" | 8000 kg  | 17600 lbs |
| 7,5 m | 24' 7" | 6100 kg  | 13500 lbs |

| B       | max.   | 17100 kg | 167,8 kN  |
|---------|--------|----------|-----------|
| 4,1 m   | 13' 5" | 10900 kg | 23900 lbs |
| 5,7 m   | 18' 8" | 7700 kg  | 17000 lbs |
| 7,5 m   | 24' 7" | 5900 kg  | 12900 lbs |
| 9,5 m   | 31' 2" | 4700 kg  | 10300 lbs |
| 11,6 m* | 38' 1" | 3700 kg  | 8200 lbs  |
| 13,9 m* | 45' 7" | 3000 kg  | 6600 lbs  |
| 16,2 m* | 53' 2" | 2400 kg  | 5300 lbs  |

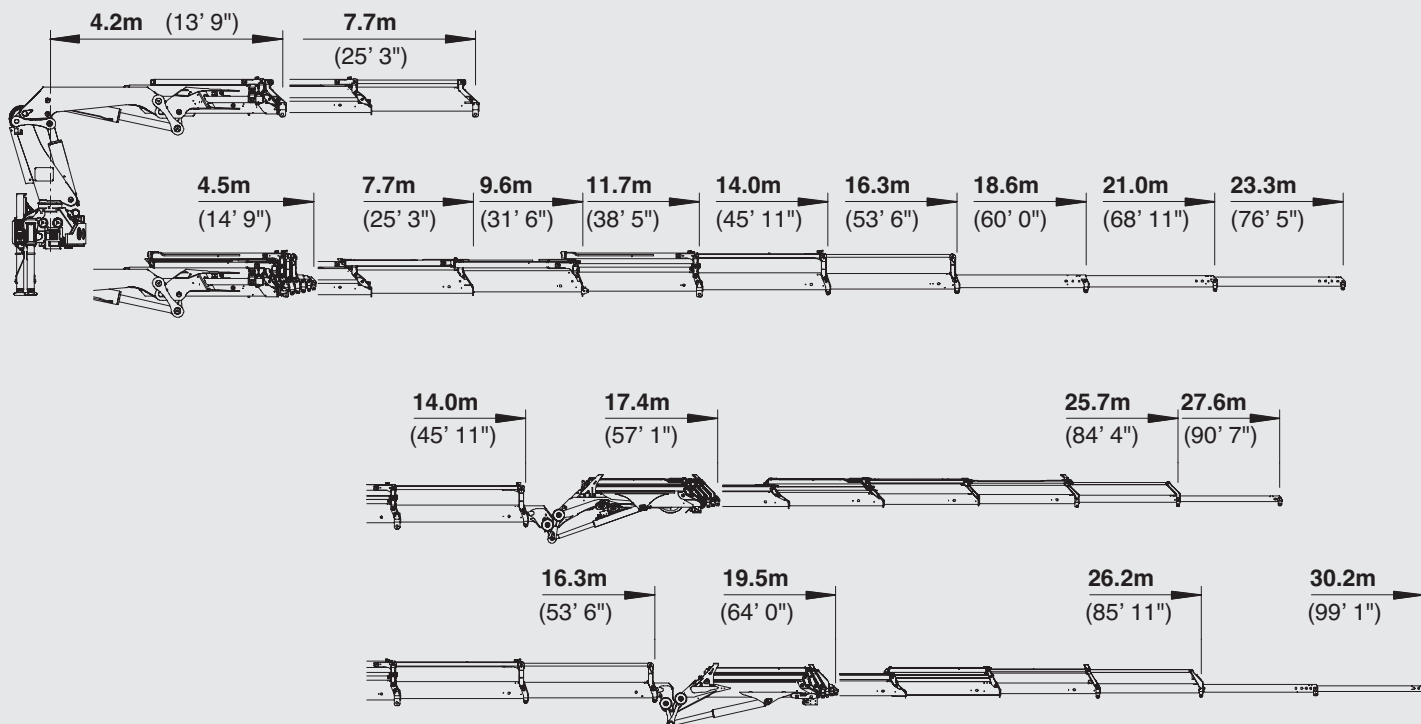
| C       | max.    | 16800 kg | 164,8 kN  |
|---------|---------|----------|-----------|
| 4,1 m   | 13' 5"  | 10600 kg | 23400 lbs |
| 5,8 m   | 19' 0"  | 7500 kg  | 16500 lbs |
| 7,6 m   | 24' 11" | 5600 kg  | 12400 lbs |
| 9,5 m   | 31' 2"  | 4450 kg  | 9800 lbs  |
| 11,5 m  | 37' 9"  | 3650 kg  | 8100 lbs  |
| 13,7 m* | 44' 11" | 3000 kg  | 6600 lbs  |
| 16,1 m* | 52' 10" | 2400 kg  | 5300 lbs  |
| 18,4 m* | 60' 4"  | 1800 kg  | 4000 lbs  |

| D       | max.   | 15900 kg | 156,0 kN  |
|---------|--------|----------|-----------|
| 4,2 m   | 13' 9" | 10200 kg | 22400 lbs |
| 5,9 m   | 19' 4" | 7200 kg  | 15800 lbs |
| 7,7 m   | 25' 3" | 5400 kg  | 11800 lbs |
| 9,6 m   | 31' 6" | 4200 kg  | 9200 lbs  |
| 11,6 m  | 38' 1" | 3400 kg  | 7500 lbs  |
| 13,8 m  | 45' 3" | 2850 kg  | 6300 lbs  |
| 16,2 m* | 53' 2" | 2350 kg  | 5200 lbs  |
| 18,5 m* | 60' 8" | 1800 kg  | 4000 lbs  |
| 20,8 m* | 68' 3" | 1500 kg  | 3300 lbs  |

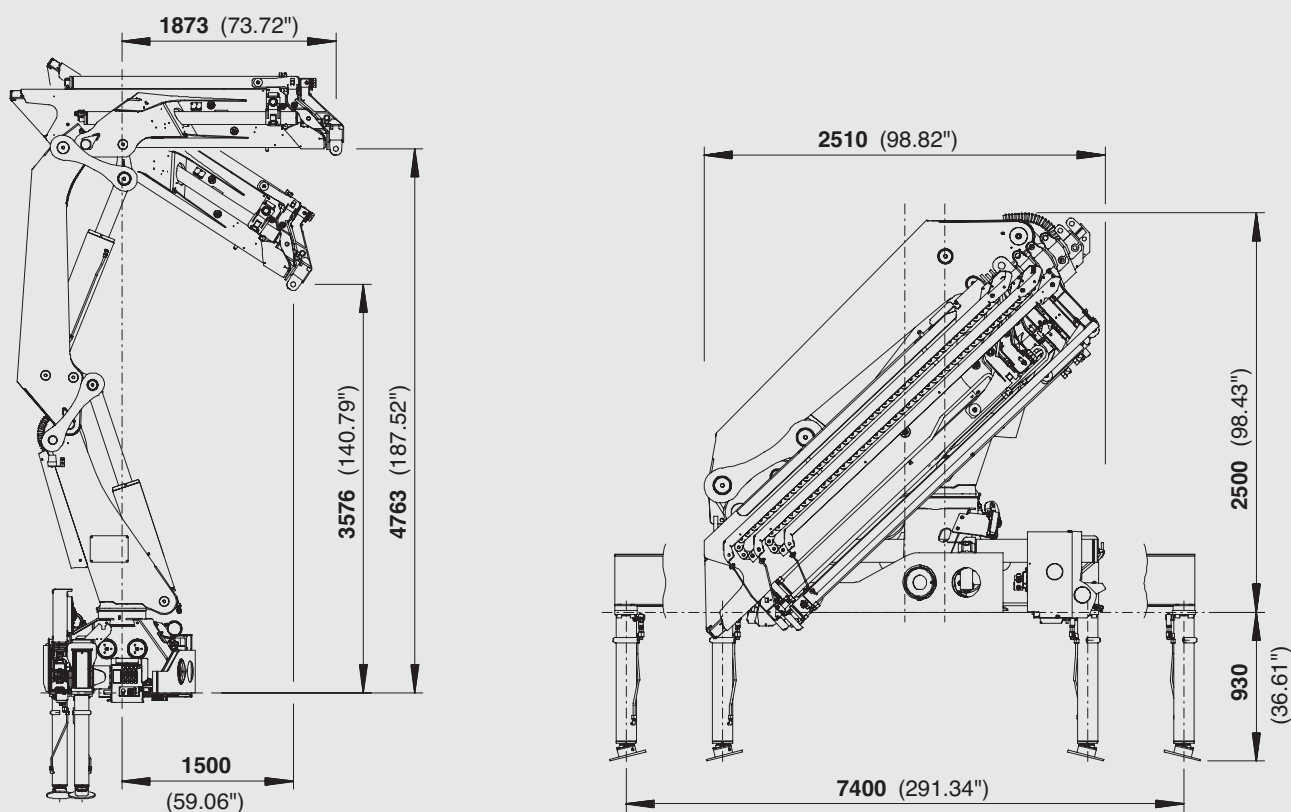
| E       | max.    | 15200 kg | 149,1 kN  |
|---------|---------|----------|-----------|
| 4,3 m   | 14' 1"  | 9800 kg  | 21600 lbs |
| 6,0 m   | 19' 8"  | 6900 kg  | 15200 lbs |
| 7,8 m   | 25' 7"  | 5100 kg  | 11300 lbs |
| 9,7 m   | 31' 10" | 3950 kg  | 8700 lbs  |
| 11,7 m  | 38' 5"  | 3200 kg  | 7100 lbs  |
| 13,9 m  | 45' 7"  | 2650 kg  | 5800 lbs  |
| 16,2 m  | 53' 2"  | 2300 kg  | 5000 lbs  |
| 18,5 m* | 60' 8"  | 1800 kg  | 4400 lbs  |
| 20,8 m* | 68' 3"  | 1250 kg  | 2750 lbs  |
| 23,1 m* | 75' 9"  | 900 kg   | 1980 lbs  |

# PERFECT DIMENSIONS

## EXTENSION BOOM VARIATIONS



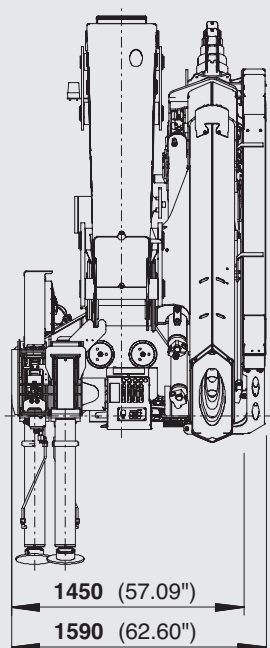
## DIMENSIONS



## PK 44502 / PK 48002 EH

## PK 48002 EH D PJ100D JV1

## PK 48002 EH E PJ080C JV2



## TECHNICAL SPECIFICATIONS (EN 12999 HC1 HD4/B3)

### PK 44502

|                               |                              |                                      |
|-------------------------------|------------------------------|--------------------------------------|
| Max. lifting moment           | 41.9 mt/410.8 kNm            | 302970 ft.lbs                        |
| Max. lifting capacity         | 16600 kg/162.8 kN            | 36600 lbs                            |
| Max. hydraulic outreach       | 16.3 m                       | 53' 6"                               |
| Max. manual outreach          | 23.3 m                       | 76' 5"                               |
| Slewing angle                 | 400°                         |                                      |
| Slewing torque                | 5.5 mt/54.0 kNm              | 39790 ft.lbs                         |
| Stabiliser spread (std./max.) | 7.4 m                        | 24' 3"                               |
| Fitting space required (std.) | 1.45 m/1.59 m                | 4' 9" / 5' 3"                        |
| Width folded                  | 2.51 m                       | 8' 3"                                |
| Max. operating pressure       | 320 bar                      | 4640 psi                             |
| Recommended pump capacity     | from 40 l/min<br>to 60 l/min | 15.9 US gal./min<br>21.1 US gal./min |
| Dead weight (std.)            | 4399 kg                      | 9700 lbs                             |

### PK 48002 EH

|                               |                               |                                      |
|-------------------------------|-------------------------------|--------------------------------------|
| Max. lifting moment           | 46.5 mt/456.3 kNm             | 336520 ft.lbs                        |
| Max. lifting capacity         | 18300 kg/179.5 kN             | 40340 lbs                            |
| Max. hydraulic outreach       | 16.3 m                        | 53' 6"                               |
| Max. manual outreach          | 23.3 m                        | 76' 5"                               |
| Slewing angle                 | 400°                          |                                      |
| Slewing torque                | 5.5 mt/54.0 kNm               | 39790 ft.lbs                         |
| Stabiliser spread (std./max.) | 7.4 m                         | 24' 3"                               |
| Fitting space required (std.) | 1.45 m/1.59 m                 | 4' 9" / 5' 3"                        |
| Width folded                  | 2.51 m                        | 8' 3"                                |
| Max. operating pressure       | 350 bar                       | 5075 psi                             |
| Recommended pump capacity     | from 80 l/min<br>to 100 l/min | 21.1 US gal./min<br>26.4 US gal./min |
| Dead weight (std.)            | 4420 kg                       | 9740 lbs                             |

## PACKAGE MODELL

- E-HPLS
- Paltronic 50
- Radio remote control with LED display
- Danfoss control valve or PVG2000
- 10,5 kW oil cooler
- 200 l oil tank

