



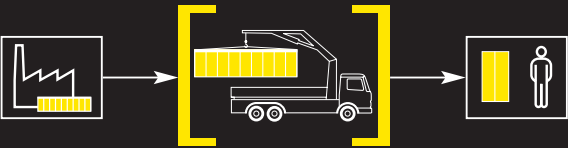
# PK 29002

Performance

**PALFINGER**



POWER LINK PLUS – THE REVOLUTION  
IN CRANE WORKING!

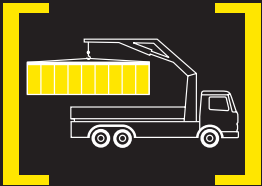




# THE PK 29002: IT CAN HANDLE EVEN EXTRA-DIFFICULT JOBS – THANKS TO POWER LINK PLUS

The PK 29002 *Performance* stands out by virtue of its superior crane geometry: Thanks to Power Link Plus it achieves a movement geometry of 195°. Together with its endless slewing mechanism and the 8 hydraulic extensions it is therefore the leading crane in its class.

And what's more: As a *Performance* crane with the Advanced Package it offers a compact design and equipment which increase working efficiency.





FROM WHICHEVER ANGLE YOU LOOK AT IT, A REAL MULTI-TALENT





## A TYPICAL *PERFORMANCE* CRANE: \_\_\_\_\_ SYNERGY OF FUNCTION AND DESIGN

### Endless slewing mechanism

The endless slewing mechanism fitted as standard together with the slewing ring permits an unrestricted radius of action. As a result the crane works much more quickly and cost-efficiently.



### Return oil utilisation

The high speed of the extension system is impressive. It results from return oil utilization feature, which is installed as standard, and the generously dimensioned hydraulic pipes. This makes for increased efficiency during all types of working!



### Functional Design

- Enclosure of the entire electronic system
- Enclosure in the area of the control valve
- Enclosure of the hoses behind the crane column



### Load-holding valves

They prevent the crane boom 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.



### Central lubrication

For all grease points on the base frame.

### Advanced Package

- Oil cooler installed
- Electronic HPLS (High Power Lifting System)
- PALFINGER radio remote control with LED display
- PALTRONIC 50
- Functional Design
- External 200 litre additional tank



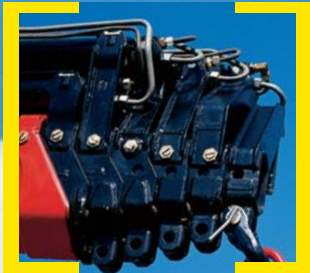
### Control valve

In combination with the PALFINGER radio remote control system the load-sensing proportional valve makes for highly sensitive crane control.





## THE ADVANCED PACKAGE EXPANDS YOUR POSSIBILITIES



### Adjustable slide blocks

These ensure optimal lateral guidance of the extension system.

### Power Link Plus

PALFINGER has specially developed this knuckle boom so that it can be tilted upwards by 15 degrees. It stands out by virtue of the excellent movement geometry. Even in the most restricted spaces, difficult crane jobs can be carried out with ease.

### 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.



### Hose equipment for accessories

With this option you can provide the oil supply to accessories. The hoses are routed in compact troughs and plastic link chains. They are therefore very well protected.



### Extension system

- The extension cylinders are guided by using Jordal rails and rollers.
- Height compensation of the extension cylinders.



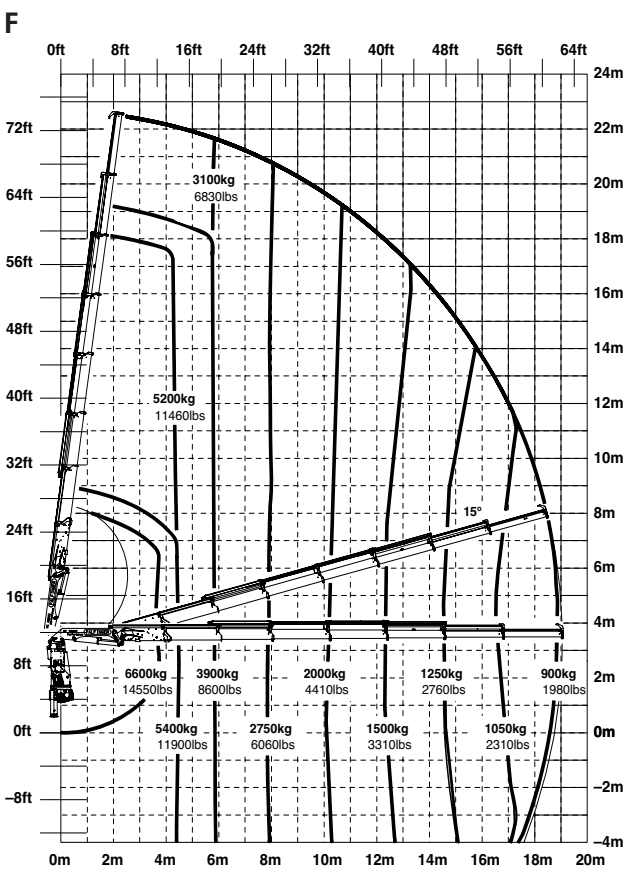
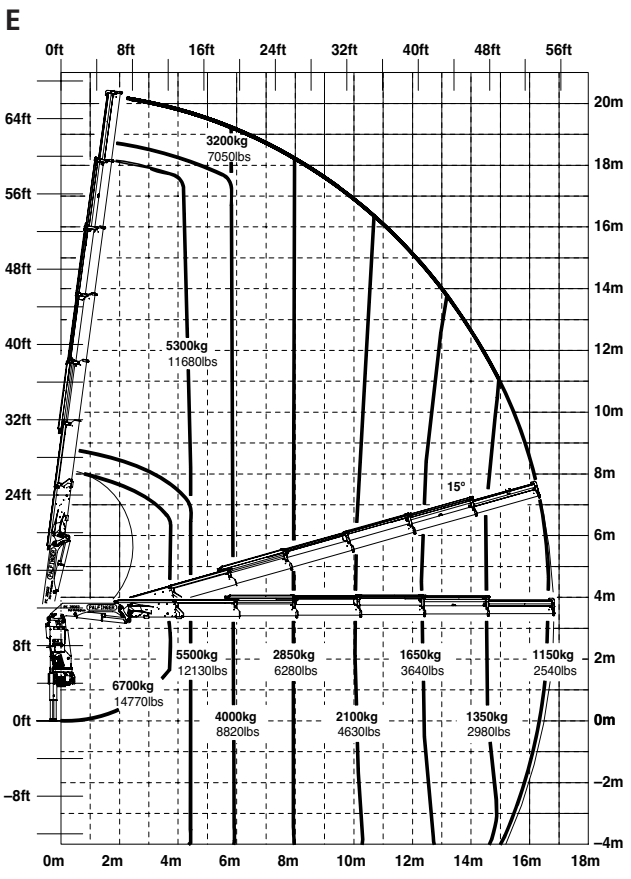
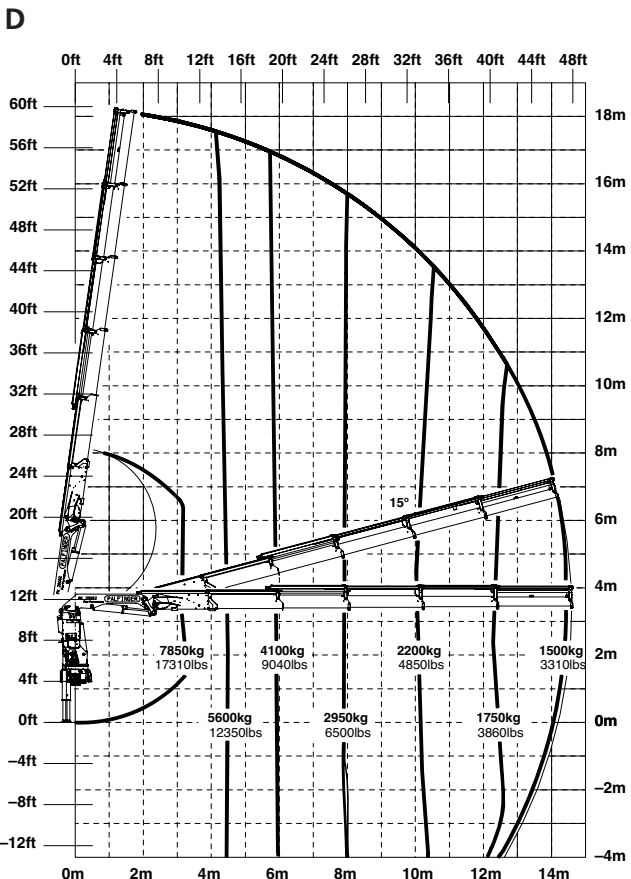
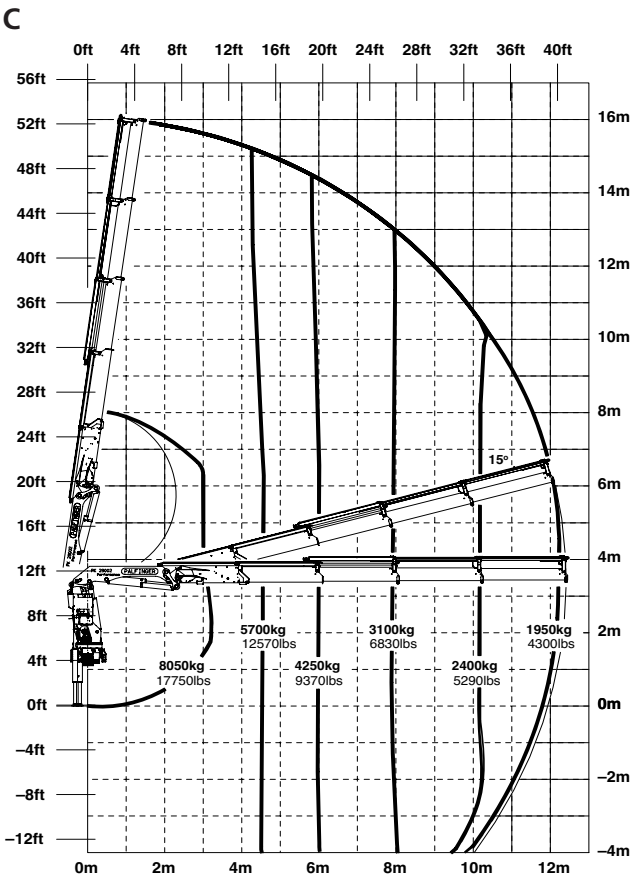
### Outriggers

The 5.6 m hydraulic outrigger system installed as standard ensures good stability. As an option a 6.6 m telescopic outrigger is available. The pipework to the support cylinders is internally routed in the outriggers, providing a high level of protection from damage at all times. On request, the outriggers can be supplied with support cylinders that swivel up hydraulically through 180°.



HIGH-LEVEL PERFORMANCE CAPABILITY

PK 29002 Performance





# CONVINCING PERFORMANCE

## Max. lifting capacities

| PK 29002 Performance A  |     |      |                   |           |  |
|-------------------------|-----|------|-------------------|-----------|--|
| Max. lifting capacities |     |      | 8500 kg/18740 lbs |           |  |
| Outreach                |     |      | Capacity          |           |  |
| hydraulic               |     |      |                   |           |  |
| 4.6 m                   | 15' | 1''  | 6010 kg           | 13250 lbs |  |
| 6.0 m                   | 19' | 8''  | 4560 kg           | 10050 lbs |  |
| 7.9 m                   | 25' | 11'' | 3460 kg           | 7630 lbs  |  |

| PK 29002 Performance B  |     |                   |         |           |  |
|-------------------------|-----|-------------------|---------|-----------|--|
| Max. lifting capacities |     | 8300 kg/18300 lbs |         |           |  |
| Outreach                |     | Capacity          |         |           |  |
| hydraulic               |     |                   |         |           |  |
| 4.6 m                   | 15' | 1''               | 5860 kg | 12920 lbs |  |
| 6.0 m                   | 19' | 8''               | 4400 kg | 9700 lbs  |  |
| 7.9 m                   | 25' | 11''              | 3290 kg | 7250 lbs  |  |
| 10.1 m                  | 33' | 2''               | 2560 kg | 5640 lbs  |  |

| PK 29002 Performance C  |     |                   |         |           |  |
|-------------------------|-----|-------------------|---------|-----------|--|
| Max. lifting capacities |     | 8050 kg/17750 lbs |         |           |  |
| Outreach                |     | Capacity          |         |           |  |
| hydraulic               |     |                   |         |           |  |
| 4.6 m                   | 15' | 1''               | 5710 kg | 12590 lbs |  |
| 6.0 m                   | 19' | 8''               | 4230 kg | 9330 lbs  |  |
| 7.9 m                   | 25' | 11''              | 3110 kg | 6860 lbs  |  |
| 10.1 m                  | 33' | 2''               | 2370 kg | 5220 lbs  |  |
| 12.2 m                  | 40' | 0''               | 1930 kg | 4250 lbs  |  |
| manual                  |     |                   |         |           |  |
| 14.4 m                  | 47' | 3''               | 1560 kg | 3440 lbs  |  |
| 16.6 m                  | 54' | 6''               | 1270 kg | 2800 lbs  |  |
| 18.8 m                  | 61' | 8''               | 1070 kg | 2360 lbs  |  |

| PK 29002 Performance D  |     |                   |         |           |  |
|-------------------------|-----|-------------------|---------|-----------|--|
| Max. lifting capacities |     | 7850 kg/17310 lbs |         |           |  |
| Outreach                |     | Capacity          |         |           |  |
| hydraulic               |     |                   |         |           |  |
| 4.6 m                   | 15' | 1''               | 5590 kg | 12320 lbs |  |
| 6.0 m                   | 19' | 8''               | 4100 kg | 9040 lbs  |  |
| 7.9 m                   | 25' | 11''              | 2960 kg | 6530 lbs  |  |
| 10.1 m                  | 33' | 2''               | 2210 kg | 4870 lbs  |  |
| 12.2 m                  | 40' | 0''               | 1760 kg | 3880 lbs  |  |
| 14.4 m                  | 47' | 3''               | 1480 kg | 3260 lbs  |  |
| manual                  |     |                   |         |           |  |
| 16.7 m                  | 54' | 9''               | 1210 kg | 2670 lbs  |  |
| 18.8 m                  | 61' | 8''               | 1010 kg | 2230 lbs  |  |
| 21.0 m                  | 68' | 11''              | 850 kg  | 1870 lbs  |  |

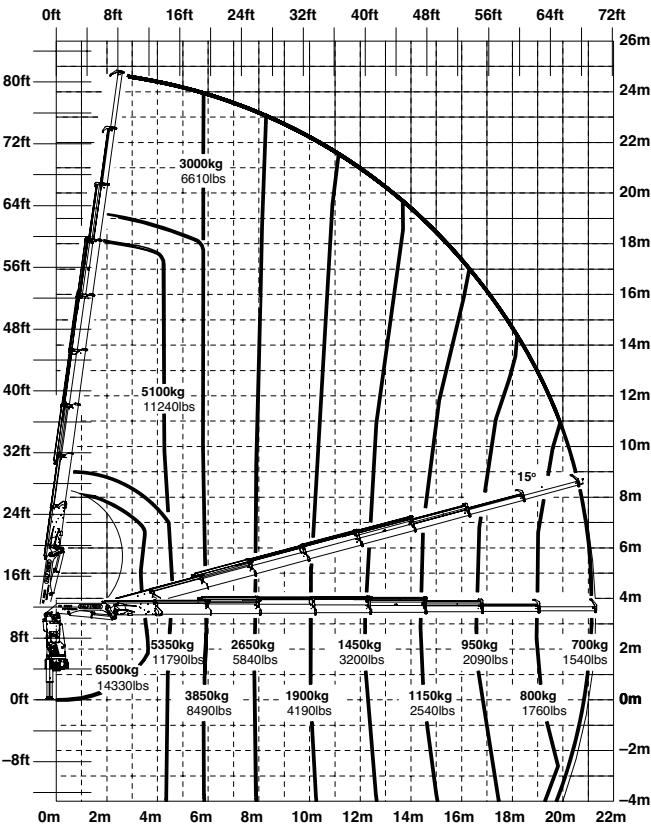
| PK 29002 Performance E  |     |                   |         |           |  |
|-------------------------|-----|-------------------|---------|-----------|--|
| Max. lifting capacities |     | 6700 kg/14770 lbs |         |           |  |
| Outreach                |     | Capacity          |         |           |  |
| hydraulic               |     |                   |         |           |  |
| 4.6 m                   | 15' | 1''               | 5500 kg | 12130 lbs |  |
| 6.0 m                   | 19' | 8''               | 3990 kg | 8800 lbs  |  |
| 7.9 m                   | 25' | 11''              | 2840 kg | 6260 lbs  |  |
| 10.1 m                  | 33' | 2''               | 2090 kg | 4610 lbs  |  |
| 12.2 m                  | 40' | 0''               | 1630 kg | 3590 lbs  |  |
| 14.4 m                  | 47' | 3''               | 1350 kg | 2980 lbs  |  |
| 16.7 m                  | 54' | 9''               | 1160 kg | 2560 lbs  |  |
| manual                  |     |                   |         |           |  |
| 18.8 m                  | 61' | 8''               | 960 kg  | 2120 lbs  |  |
| 21.0 m                  | 68' | 11''              | 810 kg  | 1790 lbs  |  |
| 23.0 m                  | 75' | 6''               | 570 kg  | 1260 lbs  |  |

| PK 29002 Performance F  |          |                   |           |  |  |
|-------------------------|----------|-------------------|-----------|--|--|
| Max. lifting capacities |          | 6600 kg/14550 lbs |           |  |  |
| Outreach                |          | Capacity          |           |  |  |
| hydraulic               |          |                   |           |  |  |
| 4.6 m                   | 15' 1''  | 5420 kg           | 11950 lbs |  |  |
| 6.0 m                   | 19' 8''  | 3910 kg           | 8620 lbs  |  |  |
| 7.9 m                   | 25' 11'' | 2740 kg           | 6040 lbs  |  |  |
| 10.1 m                  | 33' 2''  | 1980 kg           | 4370 lbs  |  |  |
| 12.2 m                  | 40' 0''  | 1520 kg           | 3350 lbs  |  |  |
| 14.4 m                  | 47' 3''  | 1230 kg           | 2710 lbs  |  |  |
| 16.7 m                  | 54' 9''  | 1040 kg           | 2290 lbs  |  |  |
| 18.9 m                  | 62' 0''  | 910 kg            | 2010 lbs  |  |  |
| manual                  |          |                   |           |  |  |
| 21.1 m                  | 69' 3''  | 760 kg            | 1680 lbs  |  |  |
| 23.1 m                  | 75' 9''  | 570 kg            | 1260 lbs  |  |  |

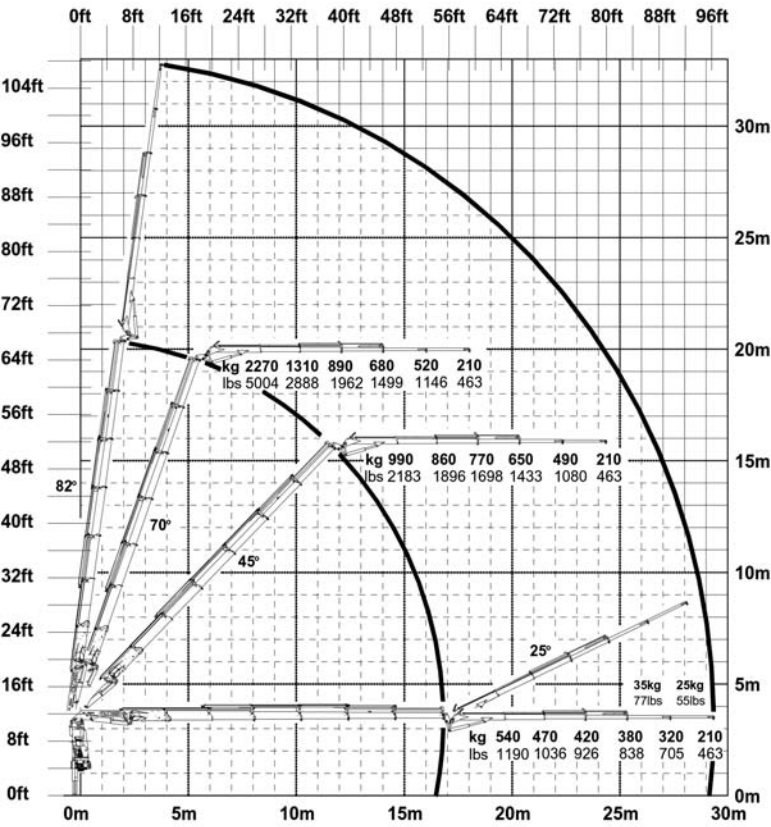
| PK 29002 Performance G  |     |                   |         |           |  |
|-------------------------|-----|-------------------|---------|-----------|--|
| Max. lifting capacities |     | 6500 kg/14330 lbs |         |           |  |
| Outreach                |     | Capacity          |         |           |  |
| hydraulic               |     |                   |         |           |  |
| 4.6 m                   | 15' | 1''               | 5360 kg | 11820 lbs |  |
| 6.0 m                   | 19' | 8''               | 3830 kg | 8440 lbs  |  |
| 7.9 m                   | 25' | 11''              | 2660 kg | 5860 lbs  |  |
| 10.1 m                  | 33' | 2''               | 1890 kg | 4170 lbs  |  |
| 12.2 m                  | 40' | 0''               | 1430 kg | 3150 lbs  |  |
| 14.4 m                  | 47' | 3''               | 1140 kg | 2510 lbs  |  |
| 16.7 m                  | 54' | 9''               | 940 kg  | 2070 lbs  |  |
| 18.9 m                  | 62' | 0''               | 800 kg  | 1760 lbs  |  |
| 21.1 m                  | 69' | 3''               | 710 kg  | 1570 lbs  |  |
| manual                  |     |                   |         |           |  |
| 23.1 m                  | 75' | 9''               | 570 kg  | 1260 lbs  |  |

The outreaches stated are with a boom angle of 20 ° and are therefore not the maximum.

G

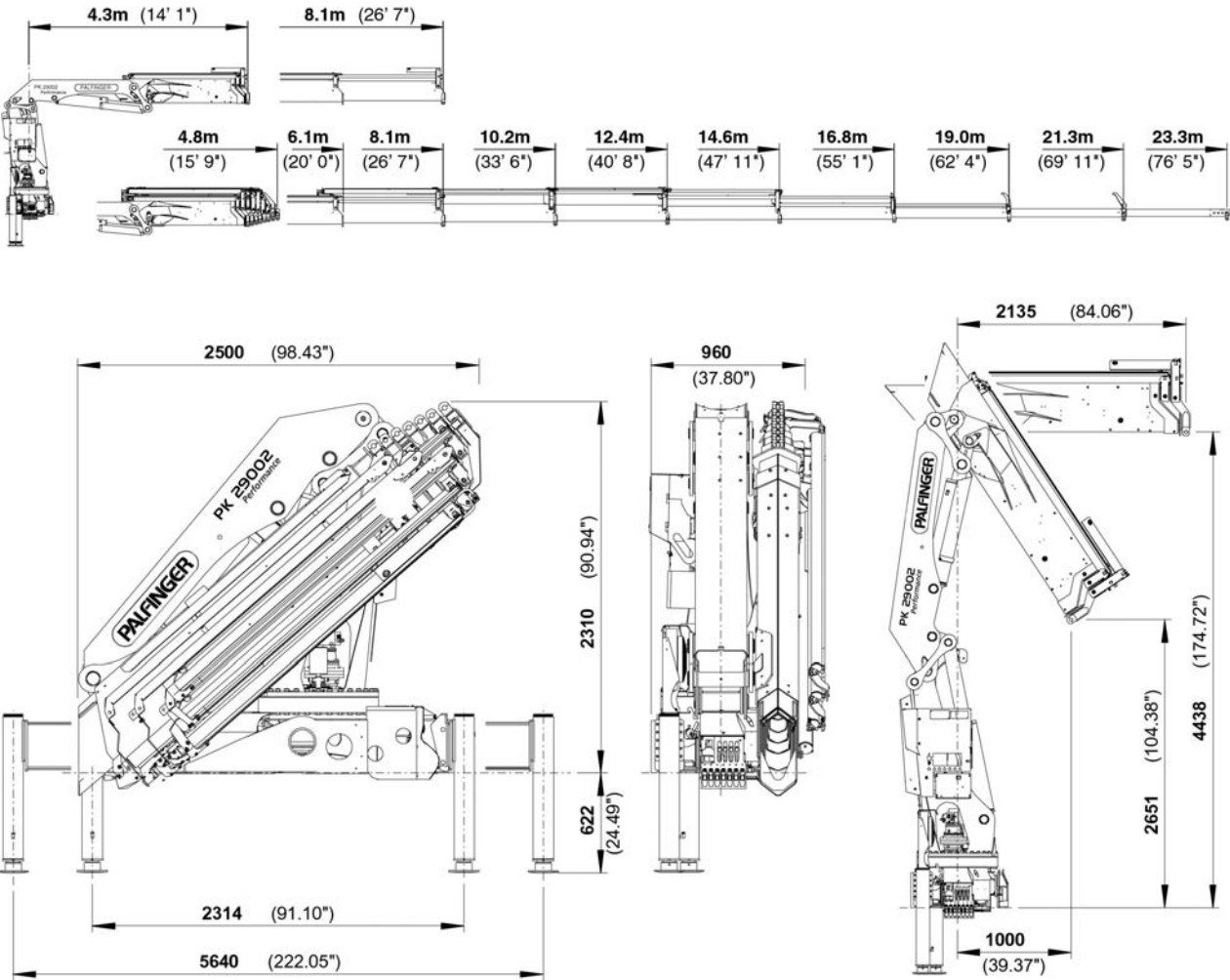


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DESIGN WHICH PAYS OFF



| PK 29002 Performance                      |                   |               |
|-------------------------------------------|-------------------|---------------|
| Technical Specifications (EN 12999 H1-B3) |                   |               |
| Max. lifting moment                       | 28.3 mt/277.6 kNm | 204670 ft.lbs |
| Max. lifting capacity                     | 8500 kg/83.4 kN   | 18740 lbs     |
| Max. hydraulic outreach                   | 21.3 m            | 69' 11"       |
| Max. outreach (with fly-jib)              | 29.3 m            | 96' 2"        |
| Slewing angle                             | endless           |               |

| PK 29002 Performance                                              |                                                                                                  |              |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------|
| Standard crane                                                    |                                                                                                  |              |
| Slewing torque                                                    | 3.3 mt/32.4 kNm                                                                                  | 23890 ft.lbs |
| Outreach                                                          | 8.1 m                                                                                            | 26' 7"       |
| Stabilizer spread standard                                        | 5.6 m                                                                                            | 18' 4"       |
| Stabilizer spread max.                                            | 6.6 m                                                                                            | 21' 8"       |
| Fitting space required                                            | 0.96 m                                                                                           | 3' 2"        |
| Width folded                                                      | 2.5 m                                                                                            | 8' 2"        |
| Max. operating pressure                                           | 330 bar                                                                                          | 4785 psi     |
| Recommended pump capacity with radio remote control and LS-system | 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                                        | 2847 kg                                                                                          | 6280 lbs     |

Applications shown in the leaflet do not always correspond to the standard specifications. Design and specification are subject to change without prior notice.



Country-specific regulations must be considered for the crane installation.

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