

# PSC 5025

ELECTRIC | HYDRAULIC SERVICE CRANE

## PALFINGER

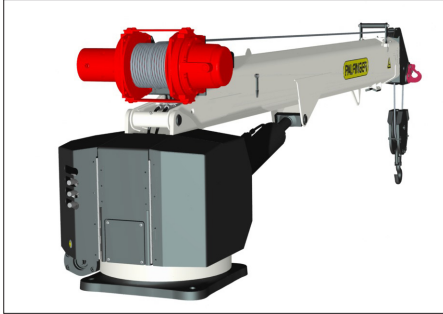
LIFETIME EXCELLENCE

### SUPERIOR LIFTING SYSTEM



DISCLOSURE: Image does not show the standard shipping package.

# STANDARD FEATURES



## WINCH

Planetary winch for speed and durability. Boom mounted winch for consistent line length when raising or lowering boom.



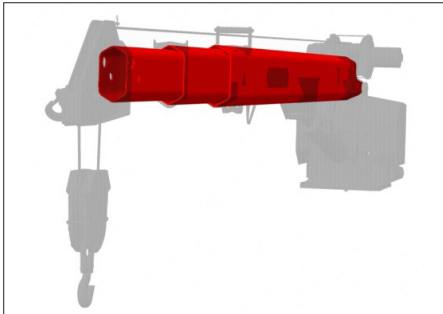
## HORSE HEAD

No bail and limit switch to interfere in operation, low profile design, and optional boom tip hook.



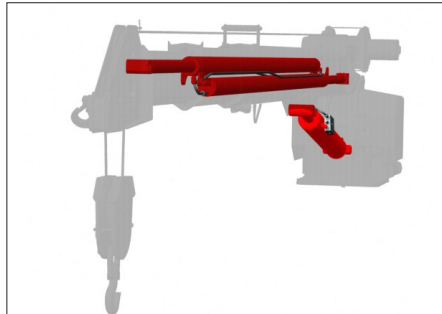
## LOAD BLOCK STOWING BRACKET

Bracket and pads designed to keep load block from contacting the boom when stowed.



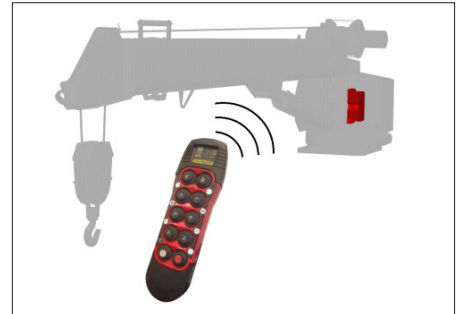
## HEXAGONAL BOOMS

Maintenance free high tensile strength self-centering single weld boom sections powered by internal extension cylinders.



## CYLINDERS

All cylinders are e-coated and use a 5 stage marine grade seal system, exceeding ANSI B30.5.



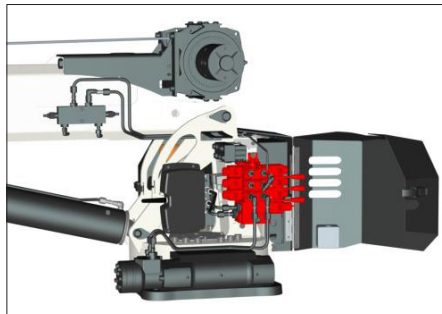
## WIRELESS REMOTE

Push button style proportional wireless remote control, standard.



## IWC - INTELLIGENT WINCH CONSOLE

Two Block Damage Prevention System is integrated into winch mounting platform eliminating the need for boom tip apparatus and cord reel. Complies with ANSI B30.5



## PROPORTIONAL CONTROL

Through the control valve proportional control is standard on all E/H and Hydraulic models.



## 3 YEAR WARRANTY

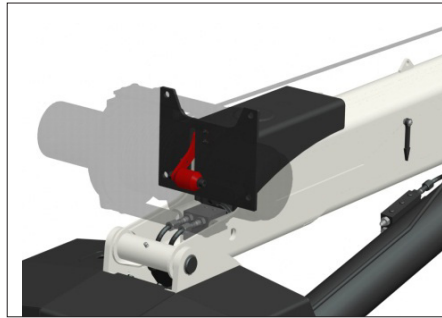
Industry leading 3 year warranty on structural components.

## OPTIONS



### OVERLOAD CAPACITY WARNING

105 db audible warning at 90% of load capacity and at overload condition, exceeding ANSI B30.5.



### THIRD WRAP LIMITING SYSTEM

Integrated system prevents wire rope spool off, ensuring three wraps remain on drum, exceeding ANSI B30.5.



### BOOM TIP HOOK

1.5 ton capacity boom tip hook, horsehead has threaded weldment for mounting.



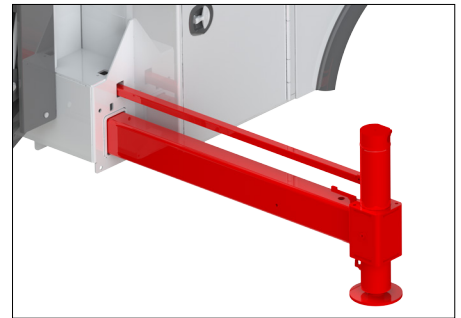
### BOOM REST

Adjustable or fixed non-marring boom rest.



### REMOTE CONTROL STOWING BRACKET

Steel stowing bracket for radio remote control can be mounted in the chassis or in the work truck body.



### OUTRIGGERS

Outriggers may be required to comply with OSHA 1910.180.

## E-COAT PROTECTION



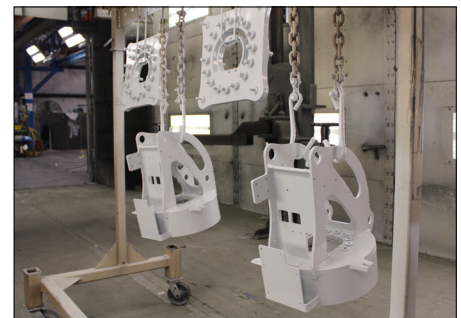
### MEDIA BLAST

A high quality exterior protection that removes any surface imperfections and provides an optimized surface for E-Coating.



### E-COAT

Efficient, environment-friendly and recyclable paint is applied with a precise thickness over the entire product to ensure superior corrosion protection.

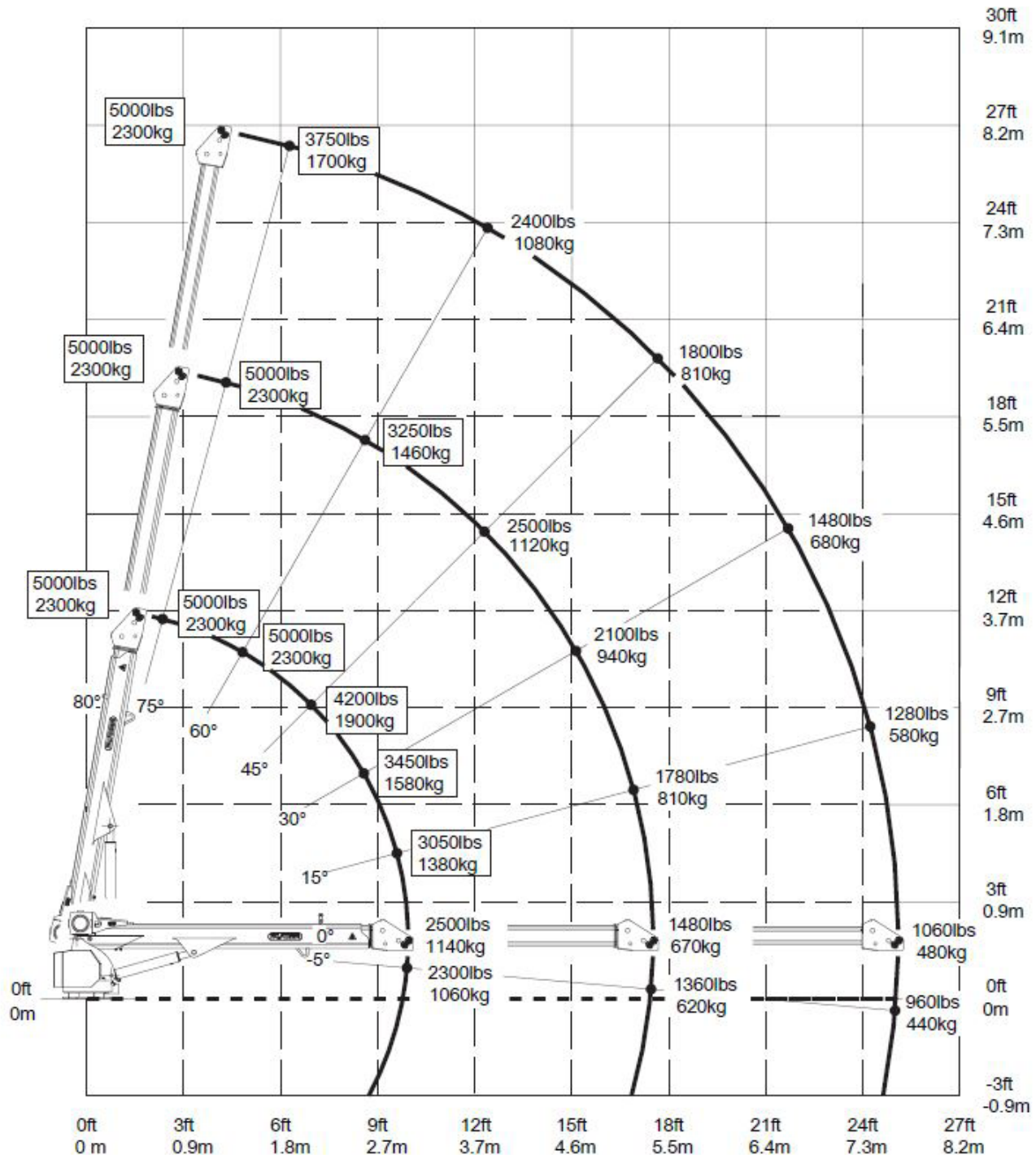


### TOP COAT

For all non-black crane components, a top coat polish is applied to certify maximum durability and finish.



# SUPERIOR REACH AND LIFT



Weights of load-handling devices are part of the load lifted and must be deducted from the capacity.

....lbs  
....kg

Boxes denote two-part line required.

# TECHNICAL SPECIFICATIONS

## CRANE RATING

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Rated lifting moment             | 32,500 ft. lbs. (44.2 kNm (4.5 mt)) |
| Maximum lifting moment           | 34,580 ft. lbs. (49.3 kNm (5.0 mt)) |
| Hydraulic outreach               | 25.0 ft. (7.6 m)                    |
| Crane weight <b>Electric</b>     | 1,170 lbs. (530 kg)                 |
| Crane weight <b>Hydraulic</b>    | 1,155 lbs. (525 kg)                 |
| Hydraulically powered extensions |                                     |

## CONTROL SYSTEM

|                                    |
|------------------------------------|
| Wireless remote control unit       |
| Integrated E-stop button           |
| Manual valve activation capability |
| Integrated warning horn            |
| 12V DC power supply                |

## ROTATION SYSTEM

|                                |                                   |
|--------------------------------|-----------------------------------|
| Slewing torque                 | 4,057 ft. lbs. (5.5 kNm (0.6 mt)) |
| Slewing angle <b>Electric</b>  | Continuous rotation               |
| Slewing angle <b>Hydraulic</b> | 410 ° rotation                    |

## STANDARDS (meets or exceeds)

|             |                |              |
|-------------|----------------|--------------|
| Crane       | ANSI B30.5     | OSHA 1910.28 |
| Calculation | EN 12999 H1,B6 |              |

## PLANETARY GEAR WINCH

|                                    |                               |
|------------------------------------|-------------------------------|
| Max. winch force single line       | 2,500 lbs. (1,134 kg)         |
| Max. winch force double line       | 5,000 lbs. (2,268 kg)         |
| Max. line speed                    | 20 ft./min (6.1 m/min)        |
| Galvanized aircraft cable          | 95' x 5/16" (28.9 m x 7.9 mm) |
| Two-block damage prevention system |                               |
| 3rd wrap end stop system option    |                               |

## HYDRAULIC SYSTEM

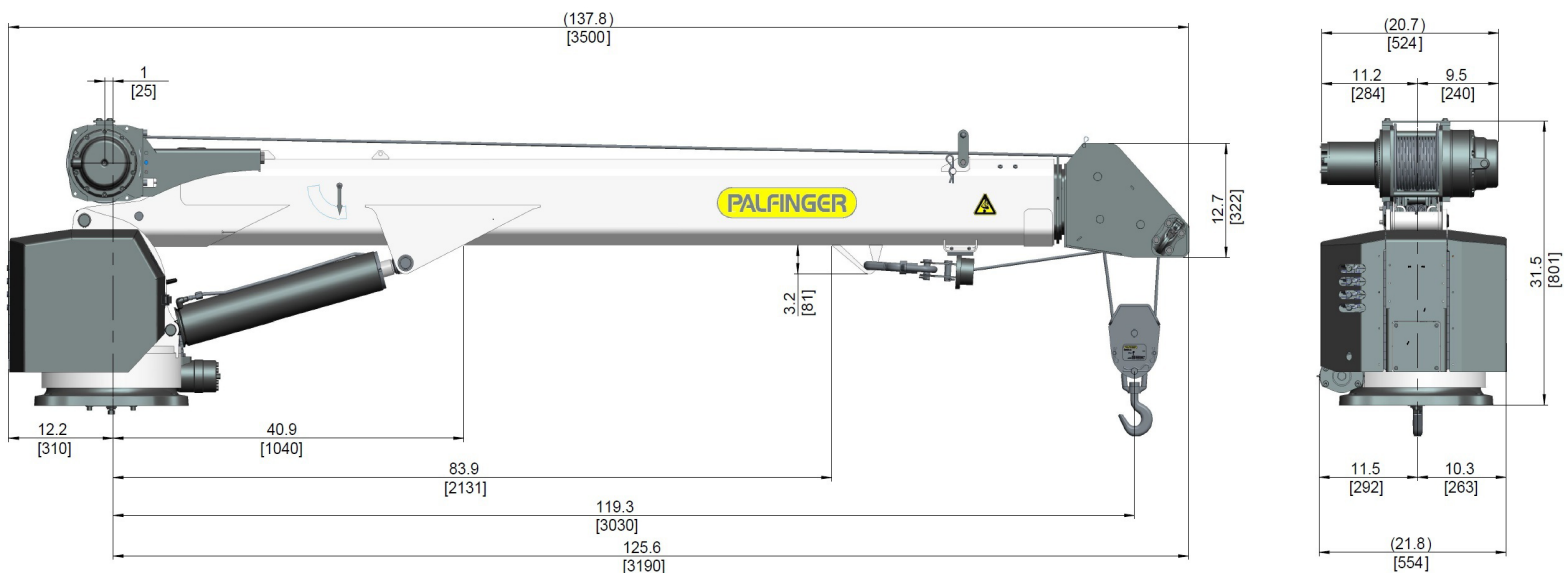
|                                                     |                                |
|-----------------------------------------------------|--------------------------------|
| Operating pressure                                  | 2,800 psi (19.3 Mpa (193 bar)) |
| Required oil flow <b>Hydraulic</b>                  | 5.2 GPM (20.0 L/min)           |
| Electronic overload protection system               |                                |
| Marine grade 5 seal system on all cylinders         |                                |
| Non integrated load-holding valves on all cylinders |                                |

## CRANE | CHASSIS INTERFACE

|                      |                                   |
|----------------------|-----------------------------------|
| Base plate dimension | 17.75" x 17.75" (450 mm x 450 mm) |
| Hole pattern         | 14.75" x 14.75" (375 mm x 375 mm) |
| Mounting bolts       | 4 x 1" -8 UNC                     |

## CHASSIS RECOMMENDATION

|                  |                                  |
|------------------|----------------------------------|
| Chassis style    | Conventional                     |
| Recommended GVWR | Class 4 (14,001 lbs. (6,350 kg)) |





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## PALFINGER Service Crane - Product Range

|                                                         | PSC 3216                                     | PSC 4016                                      | PSC 4025                             | PSC 5025                             | PSC6025                              | PSC 4329                             | PSC 6229                             | PSC 7229                             | PSC 8629                               |
|---------------------------------------------------------|----------------------------------------------|-----------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------------------------------------|
| <b>Rated Lifting Moment</b>                             | 12,500 ft. lbs.<br>(17kNm (1.7mt))           | 18,500 ft. lbs.<br>(25.1kNm (2.6mt))          | 18,500 ft. lbs.<br>(25.1kNm (2.6mt)) | 32,500 ft. lbs.<br>(44.2kNm (4.5mt)) | 38,500 ft. lbs.<br>(52.2kNm (5.3mt)) | 43,000 ft. lbs.<br>(58.3kNm (5.9mt)) | 62,000 ft. lbs.<br>(84.1kNm (8.6mt)) | 72,00 ft. lbs.<br>(97.6kNm (10mt))   | 86,000 ft. lbs.<br>(116.6kNm (11.9mt)) |
| <b>Max Lifting Moment</b>                               | 14,560 ft. lbs.<br>(19.6kNm (2.0mt))         | 23,235 ft. lbs.<br>(31.4kNm (3.2mt))          | 20,585 ft. lbs.<br>(27.9kNm (2.9mt)) | 34,580 ft. lbs.<br>(49.3kNm (5.0mt)) | 43,730 ft. lbs.<br>(58.0kNm (5.9mt)) | 49,180 ft. lbs.<br>(66.5kNm (6.8mt)) | 68,900 ft. lbs.<br>(93.2kNm (9.5mt)) | 79,450 ft. lbs.<br>(107.7kNm (11mt)) | 94,676 ft. lbs.<br>(128.4kNm (13mt))   |
| <b>Capacity</b>                                         | 4,000 lbs.<br>(1814kg)                       | 4,000 lbs.<br>(1814kg)                        | 4,000 lbs.<br>(1814kg)               | 5,000 lbs.<br>(2286kg)               | 6,000 lbs.<br>(2750kg)               | 8,000 lbs.<br>(3650kg)               | 10,800 lbs.<br>(4900kg)              | 12,500 lbs.<br>(5700kg)              | 14,000 lbs.<br>(6400kg)                |
| <b>Boom Extension</b>                                   | 1 Hydraulic + 1Manual<br>(2 HydraulicOption) | 1 Hydraulic + 1Manual<br>(2 Hydraulic Option) | 2 Hydraulic                          | 2 Hydraulic                          | 2 Hydraulic                          | 2 Hydraulic                          | 2 Hydraulic                          | 2 Hydraulic                          | 2 Hydraulic                            |
| <b>Power Outreach</b>                                   | 11.4ft (16ft)<br>3.5m (4.9m)                 | 11.4ft (16ft)<br>3.5m (4.9m)                  | 25 ft<br>(7.6m)                      | 25 ft<br>(7.6m)                      | 25 ft<br>(7.6m)                      | 29.1 ft<br>(8.9m)                    | 29.1 ft<br>(8.9m)                    | 29.1 ft<br>(8.9m)                    | 29.1 ft<br>(8.9m)                      |
| <b>Winch Speed</b>                                      | 19.6ft/min<br>(6.0m/min)                     | 19.6ft/min<br>(6.0m/min)                      | 19.6ft/min<br>(6.0m/min)             | 18.8ft/min<br>(5.7m/min)             | 28.0ft/min<br>(8.5m/min)             | 60ft/min<br>(18.2m/min)              | 60ft/min<br>(18.2m/min)              | 60ft/min<br>(18.2m/min)              | 60ft/min<br>(18.2m/min)                |
| <b>Standard Weight</b>                                  | 650 lbs.<br>(295kg)                          | 650 lbs.<br>(295kg)                           | 1010 lbs.<br>(458kg)                 | 1170 lbs.<br>(530kg)                 | 1280 lbs.<br>(580kg)                 | 2149 lbs.<br>(975kg)                 | 2407 lbs.<br>(1092kg)                | 2731 lbs.<br>(1239kg)                | 2833 lbs.<br>(1285kg)                  |
| <b>Control System</b>                                   | Radio Remote Control                         | Radio Remote Control                          | Radio Remote Control                 | Radio Remote Control                 | Radio Remote Control                 | Radio Remote Control                 | Radio Remote Control                 | Radio Remote Control                 | Radio Remote Control                   |
| <b>Chassis Specifications</b><br>(Min.Recommended GVWR) | Class 3<br>10,001 lbs.<br>(4,540kg)          | Class 3<br>10,001 lbs.<br>(4,540kg)           | Class 3<br>10,001 lbs.<br>(4,540kg)  | Class 4<br>14,001 lbs.<br>(6,350kg)  | Class 4<br>14,001 lbs.<br>(6,350kg)  | Class 5<br>19,000 lbs.<br>(8,620kg)  | Class 6<br>25,000 lbs.<br>(11,340kg) | Class 6<br>25,000 lbs.<br>(11,340kg) | Class 7<br>33,000 lbs.<br>(14,970kg)   |



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