

# ELECTRIC / HYDRAULIC SERVICE CRANE **PSC 4016**

LIGHTER | LONGER | STRONGER

LIFETIME EXCELLENCE



DISCLOSURE: Image does not show the standard shipping package.

# BUILT TO LAST

Meeting or exceeding all ASME and OSHA standards, the PSC 4016 can be specified as either an electric/hydraulic or full hydraulic service crane with 4,000 lbs. capacity. Just like all of our service crane models, the PSC 4016 features wireless proportional control and a single weld hexagonal boom design. The crane is exclusively E-coated by PALFINGER for the best rust protection in the industry.



## E-COAT PROTECTION

Most rust resistant telescopic crane on the market



### MEDIA BLAST

A high quality process that removes any surface imperfections and provides an optimized surface for E-coating.

### E-COAT

Automotive grade and environmentally friendly coating process is applied with precision over the entire product ensuring superior corrosion protection.

### TOP COAT

All E-coated steel components receive a top coat finish that ensures maximum durability.



## LIGHTER.

PALFINGER's service cranes are as much as **30% lighter** than the competition — without sacrificing strength or reach. Less weight means more payload for tools and supplies necessary on the job site.



## LONGER.

Up to **30% longer** than the competition, PALFINGER's service cranes have the longest reach in the industry. More reach means fewer setup adjustments on the job site and improved access for those challenging lifts. Standard boom lengths are 16', 25', and 29' depending on the size of the crane.



## STRONGER.

PALFINGER's service cranes are up to **20% stronger** than the competition, with a superior lifting moment rating and load chart to do more work in more places. With PALFINGER's safety systems, including the exclusive winch damage prevention system, lifting more is also safer than ever before.

# STANDARD FEATURES



### PLANETARY WINCH

Planetary winch provides speed and durability.



### HORSE HEAD

Low profile design. Optional boom tip hook(s) and lights. No A2B components to interfere with operation.



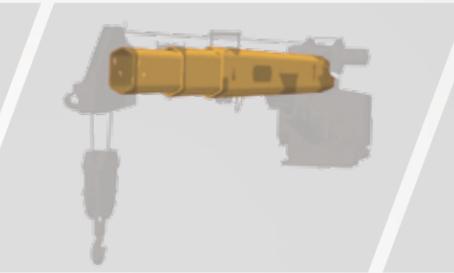
### INTELLIGENT WINCH CONSOLE (IWC)

Two-block damage prevention system is integrated into the winch mounting platform eliminating the need for boom tip apparatus and cord reel. Complies with ASME B30.5.



### LOAD BLOCK STOWING BRACKET

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



### HEXAGONAL BOOMS

Ultra-low maintenance high tensile strength self-centering single weld boom sections powered by internal extension cylinders.



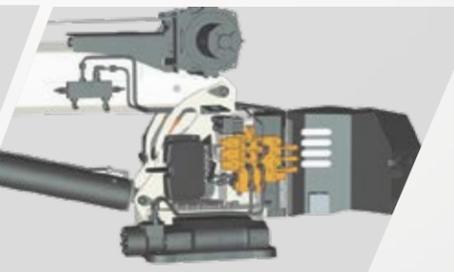
### CYLINDERS

Internal extension cylinders for 16' of outreach (manual tip section). All cylinders are E-coated and use a 5 stage marine grade seal system.



### CONTROL SYSTEM

Features a standard proportional wireless remote control unit, integrated E-stop button, warning horn and manual valve activation capability. Cranes are controlled with 12V DC power supply.



### PROPORTIONAL CONTROL

Through the control valve, single function proportional control of all hydraulic functions is standard.



### 3-YEAR WARRANTY

PALFINGER service cranes come with an industry leading 3-year warranty on all structural components

# OPTIMIZED TO WORK HARDER

PALFINGER's small PSC service cranes are the perfect fit for light-duty crane bodies and mechanics bodies. Every crane features 4-bolt installation and weight optimization for maximum payload performance. Choose either electric/hydraulic or hydraulic crane configurations, and pick from a wide range of options and accessories to complete your service truck build with the tools you need. Contact your PALFINGER representative to find the right solution for your business.



## MORE STABLE

PALFINGER's wide range of hydraulic or manual crank outrigger kit options provide stability for your mechanics body or crane-reinforced body/flatbed. Add our 12V Powerpack to an electric crane installation to provide hydraulic power to hydraulic outriggers without requiring a PTO/pump.

## MORE SECURE

PALFINGER boom rests are available in adjustable or fixed configurations and feature easy 4-bolt installation and soft strap saddle design to eliminate marring/scratching of the boom.

## MORE SECURE

Each crane is available with accessories like LED boom tip lights, boom tip hooks and more to turn a small crane into a multi-tool that gets the job done right.

## UPFITTER FRIENDLY

Thanks to a 4-bolt installation pattern and readily accessible installation instructions, mounting a PALFINGER PSC crane is an easy job. Hydraulic accessories are available including flow control valves, hydraulic tanks, and electrical installation kits to maximize the performance of the service crane.

# OPTIONS & ACCESSORIES



### ACOUSTIC 90% LOAD WARNING FOR INCREASED SAFETY

An audible warning communicates to the operator that the service crane is working at 90% load capacity and will soon reach maximum capacity.

### 3RD WRAP LIMITING SYSTEM

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

### BOOM TIP HOOKS

PALFINGER exclusive 1.5 ton capacity boom tip hooks. Available on either or both sides of the boom tip. Horsehead has threaded weldment for mounting.



### OUTRIGGERS FOR ADDED STABILITY

Support your lifting application needs with manual and hydraulic outrigger options.

### BOOM TIP LIGHTING

With the addition of a retractable cord reel we bring power to the boom tip to light dual work lights that swing freely while raising and lowering the boom to illuminate your working area.

### FULLY HYDRAULIC BOOM EXTENSION

Add PALFINGER's dual hydraulic boom extension option to eliminate the manual slide out extension for easier and quicker operation.



### PROTECTIVE CASE WITH BELT LOOP KEEPS REMOTE AT YOUR SIDE

Nylon case with clear plastic cover protects your remote control from harsh weather elements, while the belt loop allows you to attach the remote to your work belt for added convenience on the job.

### SILICONE COVER FOR REMOTE KEEPS REMOTE CLEAN

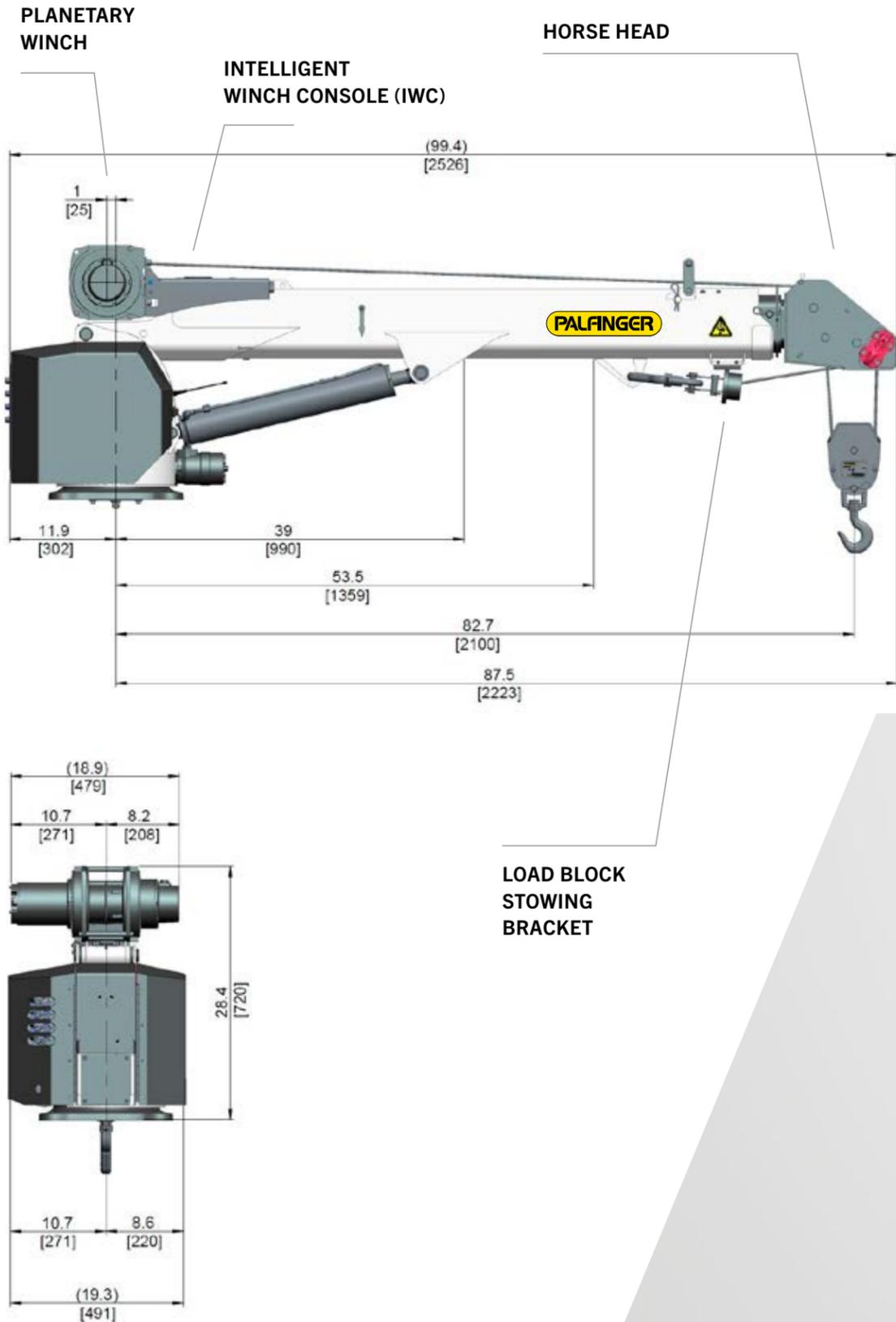
Flexible silicone cover helps keep dust, dirt, and grime off of your remote control – so you can focus on controlling your service crane and not cleaning the remote.

### REMOTE STORAGE BRACKET SECURELY STOWS REMOTE

Stow the remote control using the metal storage bracket and mount it in the cab or the crane compartment. Thanks to the remote magnet, the remote will be held securely in place during transport.



# TECHNICAL SPECIFICATIONS



## LOAD CHART

### CRANE RATING

Rated lifting moment	18,500 ft*lbs. (25.1 kNm (2.6 mt))
Maximum lifting moment	23,235 ft*lbs. (31.4 kNm (3.2 mt))
Boom extensions	11.4 ft. (3.5 m), 16 ft. (4.9 m)
	1 hydraulic, 1 manual (optional 2 hydraulic)
Crane weight <b>Electric</b>	650 lbs. (295 kg)
Crane weight <b>Hydraulic</b>	630 lbs. (286 kg)
Hydraulically powered extensions	

### CONTROL SYSTEM

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

### ROTATION SYSTEM

Slewing torque	2,130 ft*lbs. (2.9 kNm (0.3 mt))
Slewing angle <b>Electric</b>	Continuous rotation
Slewing angle <b>Hydraulic</b>	410° rotation

### STANDARDS (meets or exceeds)

Crane design	ASME B30.5	OSHA 1910.28
Calculation	EN 12999 H1,B6	

### PLANETARY GEAR WINCH

Max. winch force single line	2,000 lbs. (907 kg)
Max. winch force double line	4,000 lbs. (1,814 kg)
Max. line speed <b>Electric</b>	21.2 ft./min (6.46 m/min)
Max. line speed <b>Hydraulic</b>	29.7 ft./min (9.05 m/min)
Cable size and length	1/4" x 80' (6.3 mm x 24.3 m)
Two-block damage prevention system	
3rd wrap end stop system option	
Planetary gear winch	

### HYDRAULIC SYSTEM

Operating pressure	2,800 psi (19.3 Mpa (193 bar))
Required oil flow <b>Hydraulic</b>	3.5 GPM (13.2 l/min)
Electronic overload protection system	
Five stage marine-grade seals on all cylinders	
Non integrated load-holding valves on all cylinders	

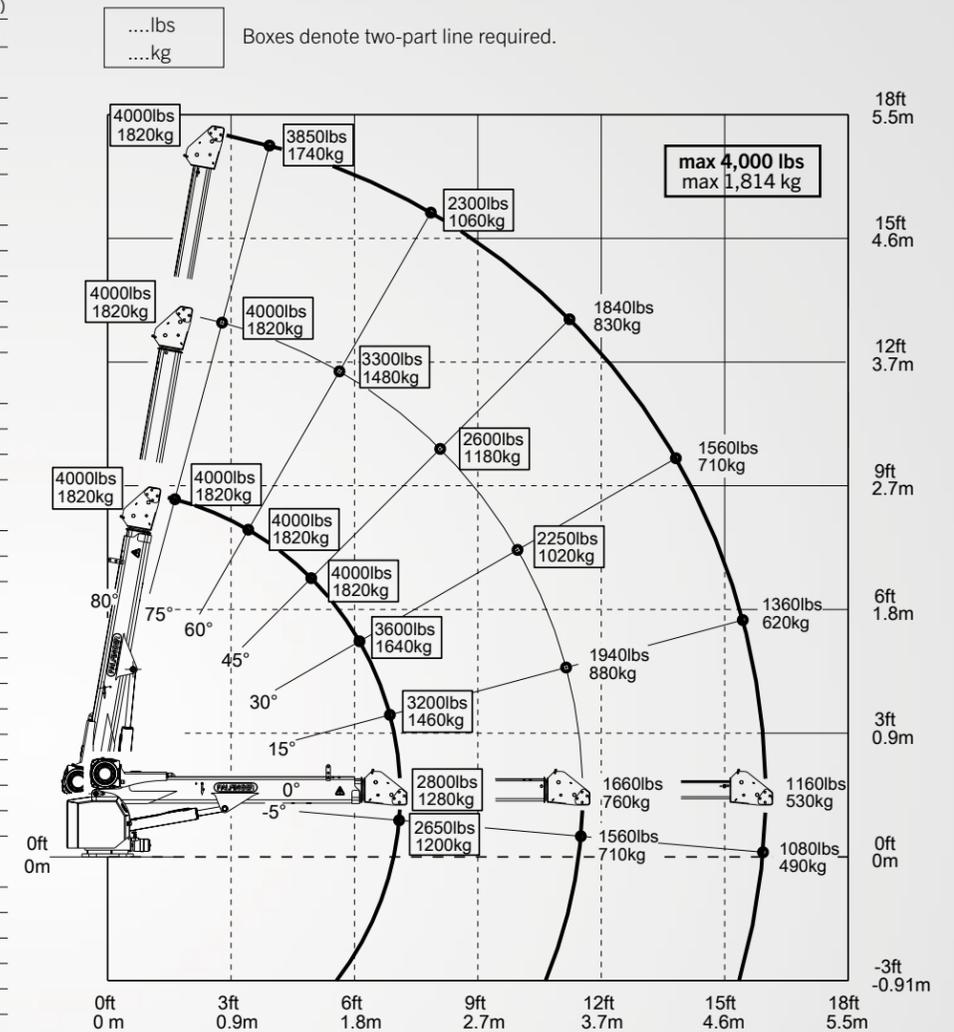
### CRANE | CHASSIS INTERFACE

Base plate dimension	15" x 15" (380 mm x 380 mm)
Hole pattern	12" x 12" (305 mm x 305 mm)
Mounting bolts	4 x 1" -8 UNC

### CHASSIS RECOMMENDATION

Chassis style	Conventional
Minimum GVWR	Class 3 (10,001 lbs. (4,540 kg))

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



# PRODUCT RANGE

## TECHNICAL SPECIFICATIONS

MODEL	CAPACITY	RATED LIFTING MOMENT	MAX LIFTING MOMENT	BOOM EXTENSIONS	BOOM LENGTH	WINCH SPEED	STANDARD WEIGHT	CHASSIS SPECIFICATION
PSC 3216 E	4,000 lbs. (1,814 kg)	12,500 ft*lbs. (17 kNm (1.7 mt))	14,560 ft*lbs. (19.6 kNm (2 mt))	1 Hydraulic + 1 Manual (2 Hydraulic Option)	16 ft. (4.9 m)	21.2 ft./min (6.46 m/min)	650 lbs. (295 kg)	Class 3
PSC 3216 H	4,000 lbs. (1,814 kg)	12,500 ft*lbs. (17 kNm (1.7 mt))	14,560 ft*lbs. (19.6 kNm (2 mt))	1 Hydraulic + 1 Manual (2 Hydraulic Option)	16 ft. (4.9 m)	29.7 ft./min (9.05 m/min)	630 lbs. (286 kg)	Class 3
PSC 4016 E	4,000 lbs. (1,814 kg)	18,500 ft*lbs. (25.1 kNm (2.6 mt))	23,235 ft*lbs. (31.4 kNm (3.2 mt))	1 Hydraulic + 1 Manual (2 Hydraulic Option)	16 ft. (4.9 m)	21.2 ft./min (6.46 m/min)	650 lbs. (295 kg)	Class 3
PSC 4016 H	4,000 lbs. (1,814 kg)	18,500 ft*lbs. (25.1 kNm (2.6 mt))	23,235 ft*lbs. (31.4 kNm (3.2 mt))	1 Hydraulic + 1 Manual (2 Hydraulic Option)	16 ft. (4.9 m)	29.7 ft./min (9.05 m/min)	630 lbs. (286 kg)	Class 3
PSC 4025 E	4,000 lbs. (1,814 kg)	18,500 ft*lbs. (25.1 kNm (2.6 mt))	20,585 ft*lbs. (27.9 kNm (2.9 mt))	2 Hydraulic	25 ft. (7.6 m)	21.2 ft./min (6.46 m/min)	1,010 lbs. (458 kg)	Class 3
PSC 4025 H	4,000 lbs. (1,814 kg)	18,500 ft*lbs. (25.1 kNm (2.6 mt))	20,585 ft*lbs. (27.9 kNm (2.9 mt))	2 Hydraulic	25 ft. (7.6 m)	29.7 ft./min (9.05 m/min)	995 lbs. (451 kg)	Class 3
PSC 5025 E	5,000 lbs. (2,268 kg)	32,500 ft*lbs. (44.2 kNm (4.5 mt))	36,360 ft*lbs. (49.3 kNm (5 mt))	2 Hydraulic	25 ft. (7.6 m)	18.8 ft./min (5.73 m/min)	1,170 lbs. (530 kg)	Class 4
PSC 5025 H	5,000 lbs. (2,268 kg)	32,500 ft*lbs. (44.2 kNm (4.5 mt))	36,360 ft*lbs. (49.3 kNm (5 mt))	2 Hydraulic	25 ft. (7.6 m)	56 ft./min (17.07 m/min)	1,155 lbs. (525 kg)	Class 4
PSC 6025 E	6,000 lbs. (2,750 kg)	38,500 ft*lbs. (52.2 kNm (5.3 mt))	42,800 ft*lbs. (58.0 kNm (5.9 mt))	2 Hydraulic	25 ft. (7.6 m)	43.3 ft./min (13.20 m/min)	1,280 lbs. (580 kg)	Class 4
PSC 6025 H	6,000 lbs. (2,750 kg)	38,500 ft*lbs. (52.2 kNm (5.3 mt))	42,800 ft*lbs. (58.0 kNm (5.9 mt))	2 Hydraulic	25 ft. (7.6 m)	51 ft./min (15.54 m/min)	1,230 lbs. (560 kg)	Class 4
PSC 8029 H	8,000 lbs. (3,650 kg)	43,000 ft*lbs. (58.3 kNm (5.9 mt))	49,180 ft*lbs. (66.5 kNm (6.8 mt))	2 Hydraulic	29 ft. (8.9 m)	60 ft./min (18.28 m/min)	2,149 lbs. (975 kg)	Class 5
PSC 10829 H	10,800 lbs. (4,900 kg)	62,000 ft*lbs. (84.1 kNm (8.6 mt))	68,900 ft*lbs. (93.2 kNm (9.5 mt))	2 Hydraulic	29 ft. (8.9 m)	60 ft./min (18.28 m/min)	2,407 lbs. (1,092 kg)	Class 6
PSC 12529 H	12,500 lbs. (5,700 kg)	72,000 ft*lbs. (97.6 kNm (10 mt))	79,450 ft*lbs. (107.7 kNm (11 mt))	2 Hydraulic	29 ft. (8.9 m)	60 ft./min (18.28 m/min)	2,731 lbs. (1,239 kg)	Class 6
PSC 14029 H	14,000 lbs. (6,400 kg)	86,000 ft*lbs. (116.6 kNm (11.9 mt))	94,676 ft*lbs. (128.4 kNm (13 mt))	2 Hydraulic	29 ft. (8.9 m)	60 ft./min (18.28 m/min)	2,833 lbs. (1,285 kg)	Class 7



PROUDLY ASSEMBLED  
in the USA

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Cranes shown in the leaflet are partially optional equipped and do not always correspond to the standard version. All PSC models are subject to change as PALFINGER updates, improves, and technologically advances their cranes and the industry.

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