

MATERIAL HANDLING CRANES

PALFINGER ON THE JOB

LIFETIME EXCELLENCE



PALFINGER WALL BOARD CRANES KEEP YOU WORKING PROFITABLY

Each jobsite brings new challenges. However varied and diverse your daily applications may be – whether drywall or roofing – they have one thing in common: A STRONG PARTNER.

In a tough market, invest in the best equipment for the job to add a competitive edge to your business. Rely on “drywall-style” cranes from PALFINGER for a variety of material handling applications. Deliver more materials per truck, per day, with the added benefit of fuel savings and less wear and tear on your chassis. With every job, feel confident that your materials will be delivered with smooth and precise operations while you enjoy the paybacks in productivity.

LIFETIME EXCELLENCE



**MASTER THE ART OF PRODUCTIVITY
WITH OUR SERIES OF DURABLE
MATERIAL HANDLING CRANES.**

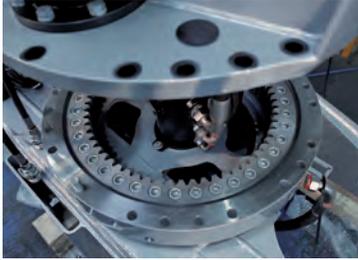




When it comes to residential and commercial drywall deliveries, PALFINGER satisfies your demands for high cycles with speed and accuracy from our superior designs.

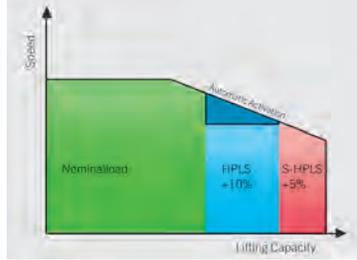
And with our long outreach, our cranes are great for roofing supply deliveries as they relate to new construction and replacement roofs.

INNOVATIVE FEATURES & BENEFITS



Turntable Slewing System

The PALFINGER Slewing System offers superior slewing performance. The crane is rotated or "slewed" using dual drive hydraulic motors, rather than a rack and pinion.



High Power Lifting System (S-HPLS)

The PALFINGER S-HPLS System increases the capacity of the crane by up to 15% with reduced working speed. When activated, the hydraulic pressure is increased electronically.



Low Maintenance Extension System

With the low maintenance extension system, PALFINGER leads the way in service friendliness. The use of sliding elements made from special synthetic material means the operator no longer needs to grease the booms.



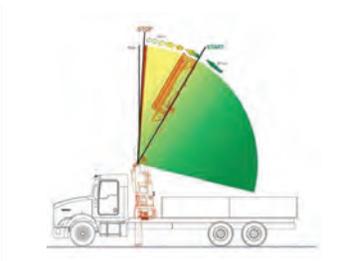
Control Station

Radio remote controlled cranes feature a superior control station with easy to use features. Service functions are easily carried out via integrated display hydraulic test ports and access panels.



Stabilizer Warning Lights

LED warning lights on the stabilizer cylinders are standard on all PW cranes. The bright orange lights offer superior visibility of the stabilizers for the crane operator, passers-by and flowing traffic.



Soft Stop

Soft Stop is an electronic limit position damper. It provides gentle brakes of all crane movements before the mechanical limit stop is reached. Jerky movements and load impacts from oscillating loads can be avoided for the protection of the crane operator, load and vehicle.



PowerLink

The linkage system is a special connection between the knuckle boom and main boom which increases the lifting power in the most critical positions; all while maintaining constant lifting speed.



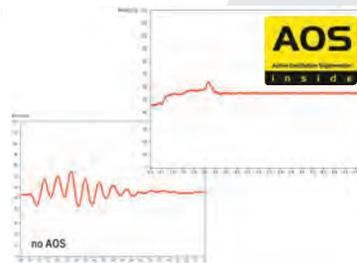
Transport Switches*

Factory mounted transport switches prevent the operator from driving without properly stowing the boom and/or outriggers and stabilizers.



PALTRONIC 50 & 150

PALTRONIC controls and monitors the crane. With PALTRONIC, PALFINGER's proven electronic control system, offers superior performance and operator friendliness.



Active Oscillation Suppression System (AOS)*

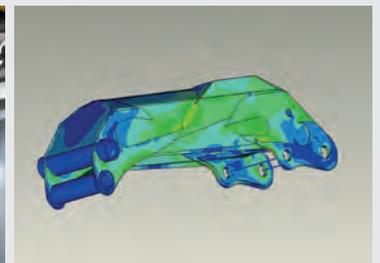
Loads are held steady, rather than bouncing after abrupt stops. The boom experiences much less shock loading.

US Patent # 6,328,173. Other patents apply.



Coating Technology (KTL)

The ultimate in paint protection. Innovative technology for surface coating is the foundation for durable and long-lasting protection.



Finite Element Technology

High-tech in crane design – all load-bearing components are calculated with finite element technology. The components are optimized and designed to be weight-saving.

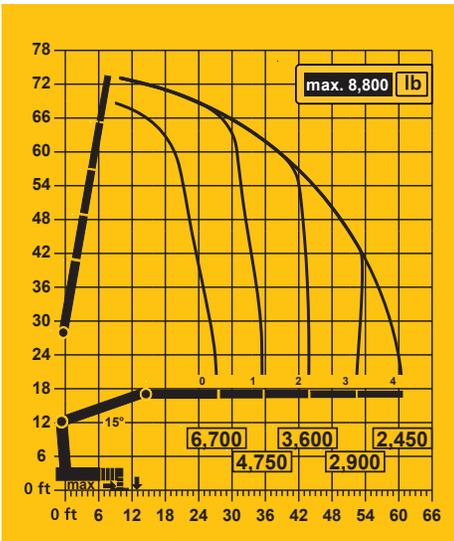
* Optional Features

THE RIGHT SPECIFICATION FOR YOUR MATERIAL HANDLING NEEDS

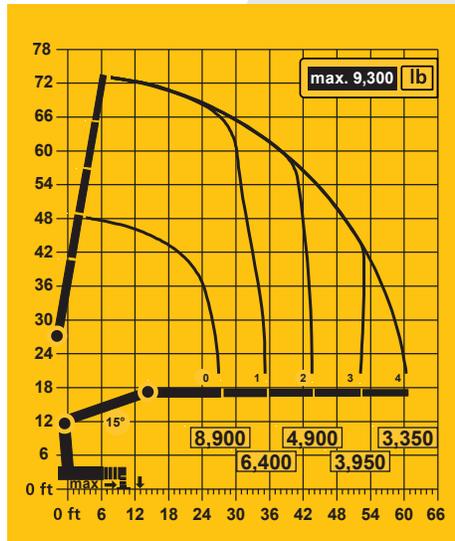
Technical Data

Model	Maximum Lifting Moment (ft. lbs)	Gross Rotation Torque (ft. lbs)	Slewing Range	Stabilizer Spread	Weight (FL, R3x, STZ3, 4) (lbs)	Maximum Horizontal Reach	Maximum Vertical Reach	Maximum Horizontal Capacity (lbs)
PW 32001 A	194,790	42,700	470°	21'8"	6,742	43'	55'6"	4,450 @ 42'
PW 32001 B	174,220	42,700	470°	21'8"	7,716	52'8"	64'8"	2,950 @ 52'
PW 32001 C	159,850	42,700	470°	21'8"	7,829	61'	73'2"	2,050 @ 61'
PW 35001-SH A	218,170	42,700	470°	21'8"	6,742	43'	55'6"	5,000 @ 42'
PW 35001-SH B	197,590	42,700	470°	21'8"	7,716	52'8"	64'8"	3,400 @ 52'
PW 35001-SH C	183,220	42,700	470°	21'8"	7,829	61'	73'2"	2,450 @ 61'
PW 38001 B	227,180	51,330	470°	24'4"	8,550	52'9"	64'8"	3,950 @ 52'
PW 38001 C	231,430	51,330	470°	24'4"	9,240	61'	73'2"	2,900 @ 61'
PW 42001-SH B	256,110	51,330	470°	24'4"	8,770	52'9"	64'8"	4,500 @ 52'
PW 42001-SH C	241,640	51,330	470°	24'4"	9,480	61'	73'2"	3,350 @ 61'
PW 50001-SH C	253,220	51,330	470°	24'4"	11,710	80'9"	93'	1,780 @ 76'

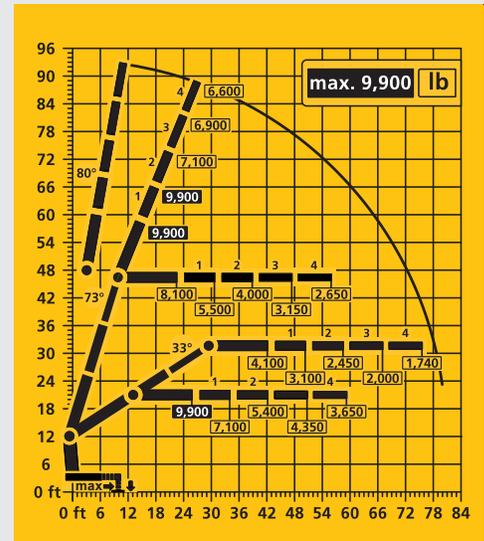
PW 35001-SH C



PW 42001 C



PW 50001-SH C



NORTH AMERICAN ASSEMBLY

What originally started out as a small subsidiary importing completed knuckle boom cranes from Europe, has now evolved to a company that has an assembly factory and produces a variety of products across North America.

From a 10 acre – 75,000 sq. foot state-of-the-art facility, located in Niagara Falls, PALFINGER coordinates its activities within the Palfinger Global Structure which includes: product assembly for Canada, Mexico and the USA, spare parts distribution and customer sales and service support as well as engineering and marketing services.

Expect **LIFETIME EXCELLENCE** from the market leader in crane technology!



SUPERIOR ENGINEERING

Being a market leader requires us to fully understand our customers' needs and their business. PALFINGER Project Engineering ensures the optimum truck configuration for the job. The weight distribution, payload capacity, and stability are checked and presented in easy to understand drawing sets. The main tasks of PALFINGER's project engineering include:

- Provide drawings showing proper layout of PALFINGER product and truck
- Prove accurate stability and weight distribution calculations
- Designing sub-frame structures
- Creating installation guidelines and providing additional support for product installation.

STABILITY ANALYSIS
THIS CHART SHOWS THE STABILITY OF THE TRUCK WITH CRANE.
NOTES:
- STABILITY RESULTS AND PAYLOAD CAPACITY PROVIDED.
- ALL LIMITS MUST BE FOLLOWED.
- RESULTS BASED ON A STANDARD TRUCK.
RESULTS ARE SHOWN IN THE CHART - THIS MEANS THE STABILITY FACTOR IS GREATER THAN 1.00.
- SUBFRAME TYPE AND CRANE TYPE MUST BE CHECKED FOR CORRECTING LOAD OR SHIFTING DIRECTION.

WEIGHT DISTRIBUTION
FRONT: 14,470 LBS
REAR: 5,084 LBS
TOTAL: 19,554 LBS

FINAL LAYOUT
THIS IS THE STREET VIEW OF THE TRUCK WITH CRANE AND GROUND CLEARANCE WHEN LOWERED.

TRUCK SPECIFICATION
THIS IS THE TRUCK INFORMATION USED IN THE FINAL LAYOUT, WEIGHT DISTRIBUTION, AND STABILITY ANALYSIS.
IF THE TRUCK IS A EXTREME FRAME, SET ON P (IT IS 51).

**PW 50001-SH C
FREIGHTLINER 114SD**

PALFINGER
CRANE / TRUCK ANALYSIS PACKAGE

Cranes shown in the leaflet are partially equipped with optional features and do not always correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

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