

Omaha Standard PALFINGER

Drop Hinge Low Profile Subframe Hoists

For questions or to place an order, contact HAWKEYE TRUCK EQUIPMENT at 515-289-1755 or 1-800-622-8223.

- 3-year/36,000 mile limited warranty.
- Made from special high strength steel to reduce overall weight.
- Available with standard P.T.O. driven direct mount gear pump or electric/hydraulic pumps.
- Full subframe with integral rear hinge.
- Gear pumps are double acting - (power up/power down).
- Electric/hydraulic pumps available either single or double acting.
- Unitized construction for ease of installation and added strength.
- Heavy chromed and polished cylinder piston rods for longer seal life.
- Lubrication fittings at all pivot points.
- Pre-installed, integral body prop automatically positions itself, stores securely out of the way when not in use.



Specifications					
Model	Class	Max. Operating Pressure	Pump	Approx. Weight	Cylinder Action
415 SF	B/10	3250 P.S.I.	Single Acting Double Acting Direct Mount Gear*	506 - 545 lbs	Single Acting Double Acting
515 SF	C/20	3250 P.S.I.	Single Acting Double Acting Direct Mount Gear*	512 - 552 lbs	Single Acting Double Acting
519 SF	D/40	3250 P.S.I.	Single Acting Double Acting Direct Mount Gear*	709 - 749 lbs	Single Acting Double Acting
520 SF	D/40	3250 P.S.I.	Single Acting Double Acting Direct Mount Gear*	767 - 817 lbs	Single Acting Double Acting

* Optional remote mount gear pump and 8-piston pump available.

Note: Mounting distance is measured from the center of the hinge point to the hoist lift point on the body.

Both models 415 SF and 515SF share the same narrow drop hinge end that avoids chassis components such as brake equalizer and exhaust system. Both hoists spread to a wide stance at mounts for superior strength and stability. Patent # 5,074,622

MODEL 415 SF: 8' to 12'6" Bodies

- Patented design for 60" to 84" C.A. truck chassis.
- NTEA classification: Conversion=B; Dump Body=10.
- Available with single or double acting electric pumps or direct mount P.T.O. driven gear pump.
- Cylinder specifications: 4-1/2" bore; 15-1/2" stroke; 2" diameter rod.
- Overall mounting height 7-1/8".
- Unique tapered hoist frame to avoid chassis components.
- 3" subframe height allows use under 4" long members without alterations of body crossmembers.
- Capacity range: 5.5 - 12.9 tons.
- Approximate weight: 537 lbs.



415 SF Lifting Capacities

Body Length	Chassis CA	Overhang	Capacities at Specified Pump Angle		
			40° (tons)	45° (tons)	50° (tons)
8'	60"	6"	8.3	7.4	6.7
9'	60"	18"	9.7	8.7	7.8
9'	60"	6"	7.3	6.5	5.9
9'-6"	60"	24"	10.6	9.4	8.5
9'-6"	60"	12"	7.7	6.9	6.3
10'-6"	60"	36"	12.9	11.5	10.4
10'-6"	60"	24"	8.9	8.0	7.2
10'-6"	84"	12"	6.8	6.1	5.5
12'-6"	84"	36"	8.9	8.0	7.2
12'-6"	84"	24"	6.8	6.1	5.5
Mounting Distance			85-1/4"	76-1/4"	69"

Capacity varies with location of rear hinge

Drop Hinge Low Profile Subframe Hoists

Highly configurable, easily installed



MODEL 515 SF: 8' to 14'6" Bodies

- Patented design for 60" to 84" C.A. truck chassis.
- NTEA classification: Conversion=C; Dump Body=20.
- Available with single or double acting electric pumps or direct mount P.T.O. driven gear pump.
- Cylinder specifications:
5" bore
15-1/2" stroke
2" diameter rod
- Overall mounting height 7-1/8".
- Unique tapered hoist frame to avoid chassis components.
- 3" subframe height allows use under 4" long members without alterations of body crossmembers.
- Capacity range: 6.8 - 15.9 tons.
- Approximate weight: 543 lbs.



515 SF Lifting Capacities					
Body Length	Chassis CA	Overhang	Capacities at Specified Pump Angle		
			40° (tons)	45° (tons)	50° (tons)
8'	60"	6"	10.2	9.2	8.3
9'	60"	18"	11.9	10.7	9.7
9'	60"	6"	9.0	8.0	7.3
9'-6"	60"	24"	13.0	11.7	10.5
9'-6"	60"	12"	9.6	8.6	7.7
10'	84"	6"	8.0	7.1	6.4
10'-6"	60"	36"	15.9	14.2	12.9
10'-6"	60"	24"	11.0	9.9	8.9
10'-6"	84"	12"	8.4	7.5	6.8
12'-6"	84"	36"	11.0	9.9	8.9
12'-6"	84"	24"	8.4	7.5	6.8
12'-6"	108"	12"	6.8	6.1	5.5
14'-6"	108"	36"	8.4	7.5	6.8
Mounting Distance			85-1/4"	76-1/4"	69"

Capacity varies with location of rear hinge

MODEL 519 SF: 8' to 14'6" Bodies

- Patented design for 60" to 120" C.A. truck chassis.
- NTEA classification: Conversion=D; Dump Body=40.
- Available with single or double acting electric pumps or direct mount P.T.O. driven gear pump.
- Cylinder specifications:
5-1/2" bore
19-1/4" stroke
2" diameter rod
- Mounting height: 9-3/8".
- Capacity range: 6.4 - 22.9 tons.
- Approximate weight: 751 lbs.



519 SF Lifting Capacities					
Body Length	Chassis CA	Overhang	Capacities at Specified Pump Angle		
			40° (tons)	45° (tons)	50° (tons)
8'	60"	6"	14.7	13.2	11.9
8'-6"	60"	12"	15.9	14.2	12.8
9'	60"	18"	17.2	15.4	13.9
9'	72"	6"	12.9	11.5	10.4
9'-6"	60"	24"	18.8	16.8	15.2
9'-6"	72"	12"	13.7	12.3	11.1
10'	60"	30"	20.6	18.4	16.7
10'	72"	18"	14.7	13.2	11.9
10'	84"	6"	11.4	10.2	9.3
10'-6"	72"	24"	15.9	14.2	12.8
10'-6"	84"	12"	12.1	10.8	9.8
12'	84"	30"	14.7	13.2	11.9
12'	102"	12"	10.3	9.2	8.3
12'	108"	6"	9.4	8.4	7.6
12'-6"	84"	36"	15.9	14.2	12.8
12'-6"	102"	18"	10.8	9.7	8.8
12'-6"	108"	12"	9.8	8.8	7.9
14'	102"	24"	10.3	9.2	8.3
14'	108"	18"	9.4	8.4	7.6
14'	120"	6"	7.9	7.1	6.4
14'-6"	108"	24"	9.8	8.8	7.9
14'-6"	120"	6"	8.2	7.3	6.7
Mounting Distance			110-1/2"	98-3/4"	89-1/2"

Capacity varies with location of rear hinge

MODEL 520 SF: 9' to 14'6" Bodies

- Patented design for 60" to 120" C.A. truck chassis.
- NTEA classification: Conversion=D; Dump Body=40.
- Available with single or double acting electric pumps or direct mount P.T.O. driven gear pump.
- Cylinder specifications:
5" bore
19-1/4" stroke
2" diameter rod
- Lost motion device means low 7-1/4" mounting height no alteration of body crossmembers.
- Capacity range: 9.0 - 18.9 tons.
- Approximate weight: 809 lbs.



520 SF Lifting Capacities					
Body Length	Chassis CA	Overhang	Capacities at Specified Pump Angle		
			40° (tons)	45° (tons)	50° (tons)
9'	60"	6"	15.4	13.7	12.4
9'-6"	60"	12"	16.4	14.7	13.3
10'	60"	18"	17.5	15.7	14.2
10'-6"	60"	24"	18.9	16.9	15.3
10'-6"	84"	12"	14.4	12.9	11.7
11'	84"	6"	12.3	11.0	10.0
12'	84"	18"	13.6	12.2	11.1
12'	84"	30"	17.5	15.7	14.2
12'-6"	84"	36"	18.9	16.9	15.3
12'-6"	108"	12"	11.7	10.5	9.5
14'	120"	18"	11.2	10.0	9.0
14'-6"	108"	36"	14.5	12.9	11.7
14'-6"	120"	24"	11.7	10.5	9.5
Mounting Distance			96-1/4"	86-1/4"	78-1/4"

Capacity varies with location of rear hinge

Manufacturing



From the company's beginning in the 1920's through the 1960's, Omaha Body Company made a variety of products including: spark plugs, aircraft components, later transitioning to center dump gravel trailers, delivery vans, moving vans, dump bodies, flatbed trailers, and farm bodies.

In 2006 all production was centralized in a state-of-the-art 210,000 sq. ft. facility, including an in-house e-coat system.

Omaha Standard was acquired by PALFINGER AG October 31, 2008. After the acquisition by PALFINGER AG, OSP introduced a complete

line of mechanics service bodies, telescopic cranes and hydraulically driven air compressors.

Omaha Standard PALFINGER is a proud member of the PALFINGER North America Group.

12 step paint process provides the ultimate rust resistance & is environmentally friendly!



Cleaned and pretreated with a phosphate conversion coating to prepare the product for electrocoating.

Dipped into a paint bath where direct current is applied between the products and a counter electrode. Paint is attracted by the electric field to the product and is deposited onto the product.



Removed from the bath and rinsed to reclaim undeposited paint solids.

E-coat is environmentally-friendly, recyclable, and economical with the paint applied to a precise thickness over the entire product so no paint is wasted. Then transferred to the bake oven and completely cured at a temperature of 375°.



Omaha Standard PALFINGER E-coat completely covers the products to make them durable and corrosion resistant.

"Green" initiatives are encompassed in all aspects of PALFINGER North America Group company activities, from manufacturing, procurement, including new product development.



Omaha Standard PALFINGER hoists are covered by a 3-year/36,000 mile limited warranty. The Olympic hoist mainframe carries an extended 7-year limited warranty. Model 625, 630, 5530 and Olympic Twin Stabilized hoists are not available with Electrostatic coating. Omaha Standard Palfinger reserves the right to modify, change or revise published specifications and furnish products so altered without prior notice.

