

Omaha Standard PALFINGER

Drop Hinge Low Profile 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.
- Provides low mounting height, no alteration of body crossmembers.
- Made from special high strength steel to reduce overall weight.
- Heavily chromed and polished cylinder piston rods for longer seal life.
- Available with standard P.T.O. driven direct mount gear pump or electric/hydraulic pumps. Remote mount gear pump available as option with some models.
- Gear pumps are double acting (power up/power down).
- Electric/hydraulic pumps available either single or double acting.
- High pressure, low volume hydraulics for fast cycle times.
- Operating pressure: 3,250 p.s.i.
- Heavy structural angle rear hinge for superior strength.
- Pre-installed, integral body prop automatically positions itself, stores securely out of the way when not in use.



Specifications							
Model	Class	Cylinder(s) and Cylinder Action	Pump Type and Operating Pressure	Pump Model	Approx. Weight	Mounting Height	Body Lengths
415 DG	B/10	(1) 4-1/2" x 15-1/2" Double Acting	Direct Mount Gear Pump, 3,250 psi.	Williams GP919	397 lbs.	6-1/4"	8'-6" to 12'-6"
415 SE	B/10	(1) 4-1/2" x 15-1/2" Single Acting	Single Acting Electric Pump, 3,250 psi.	KTI DC 4639	386 lbs.	6-1/4"	8'-6" to 12'-6"
415 DE	B/10	(1) 4-1/2" x 15-1/2" Double Acting	Double Acting Electric Pump, 3,250 psi.	KTI DC 4508	381 lbs.	6-1/4"	8'-6" to 12'-6"
515 DG	C/20	(1) 5" x 15-1/2" Double Acting	Direct Mount Gear Pump, 3,250 psi.	Williams GP919	403 lbs.	6-1/4"	8'-6" to 14'-6"
515 SE	C/20	(1) 5" x 15-1/2" Single Acting	Single Acting Electric Pump, 3,250 psi.	KTI DC 4639	392 lbs.	6-1/4"	8'-6" to 14'-6"
515 DE	C/20	(1) 5" x 15-1/2" Double Acting	Double Acting Electric Pump, 3,250 psi.	KTI DC 4508	387 lbs.	6-1/4"	8'-6" to 14'-6"
519 DG	D/40	(1) 5-1/2" x 19-1/4" Double Acting	Direct Mount Gear Pump, 3,250 psi.	Williams GP 919	601 lbs.	6 - 3/4"	8'-6" to 14'-6"
519 SE	D/40	(1) 5-1/2" x 19-1/4" Single Acting	Single Acting Electric Pump, 3,250 psi.	KTI DC 4639	589 lbs.	6 - 3/4"	8'-6" to 14'-6"
519 DE	D/40	(1) 5-1/2" x 19-1/4" Double Acting	Double Acting Electric Pump, 3,250 psi.	KTI DC 4508	584 lbs.	6 - 3/4"	8'-6" to 14'-6"
520 DG	D/40	(1) 5" x 19-1/4" Double Acting	Direct Mount Gear Pump, 3,250 psi.	Williams GP 919	659 lbs.	6 - 3/4"	8'-6" to 16'-6"
520 SE	D/40	(1) 5" x 19-1/4" Single Acting	Single Acting Electric Pump, 3,250 psi.	KTI DC 4639	647 lbs.	6 - 3/4"	8'-6" to 16'-6"
520 DE	D/40	(1) 5" x 19-1/4" Double Acting	Double Acting Electric Pump, 3,250 psi.	KTI DC 4508	642 lbs.	6 - 3/4"	8'-6" to 16'-6"
625 DG	E/50	(1) 6" x 24-1/4" Double Acting	Direct Mount Gear Pump, 3,250 psi.	Williams GP 2041	808 lbs.	7 - 7/16"	12'-6" to 18'-6"
625 SE	E/50	(1) 6" x 24-1/4" Single Acting	Single Acting Electric Pump, 3,250 psi.	KTI DC 4639	766 lbs.	7 - 3/4"	12'-6" to 16'-6"
630 DG	F/60	(1) 6" x 29" Double Acting	Direct Mount Gear Pump, 3,250 psi.	Williams GP 2041	864 lbs.	7 - 11/16"	12'-6" to 18'-6"
5530 DG	G	(2) 5" x 29-1/2" Double Acting	Direct Mount Gear Pump, 3,250 psi.	Williams GP 2041	1,254 lbs.	8 - 1/2"	12'-6" to 20'-6"

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

** 11-3/8" is height at mount angle

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

Drop Hinge Low Profile Hoists

Designed to reduce overall bed height



MODEL 415 DH: 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.
- Mounting height: 6-1/4".
- Unique tapered hoist frame to avoid chassis components.
- Capacity range: 5.5 - 12.9 tons.
- Approximate weight: 397 lbs.



415 DH 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

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

- Patented design for 60" to 108" 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.
- Mounting height: 6-1/4".
- Unique tapered hoist frame to avoid chassis components.
- Capacity range: 5.5 - 15.9 tons.
- Approximate weight: 403 lbs.



515 DH 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 DH: 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: 6-3/4".
- Capacity range: 6.4 - 22.9 tons.
- Approximate weight: 601 lbs.



519 DH 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			100-1/2"	98-3/4"	89-1/2"

Capacity varies with location of rear hinge

Both models 415 DH and 515 DH share the same unique tapered frame that avoids chassis components such as brake equalizers and exhaust system. Both spread to a wide stance at mount for superior strength and stability.
Patent # 5,074,622

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MODEL 520 DH: 9' to 16'6" Bodies

- Designed for 60" to 138" 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 6-3/4" mounting height-no alteration of body crossmembers.
- Capacity range: 8.3 - 18.9 tons.
- Approximate weight: 659 lbs.



520 DH 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
16'	120"	30"	11.2	10.0	9.0
16'	138"	24"	10.2	9.2	8.3
16'-6"	138"	30"	10.7	9.6	8.7
Mounting Distance			96-1/4"	86-1/4"	78-1/4"

Capacity varies with location of rear hinge

MODEL 625 DH: 12' to 18'6" Bodies

- Designed for 108" to 144" C.A. truck chassis.
- NTEA classification: Conversion=E; Dump Body=50.
- Available with single acting electric pump or direct mount P.T.O. driven gear pump. (single acting electric pump not available for 18'6" bodies.)
- Cylinder specifications: 6" bore; 24-1/4" stroke; 2-1/2" diameter rod.
- Lost motion device means low 7-7/16" mounting height-no alteration of body crossmembers.
- Capacity range: 11.3 - 22.2 tons.
- Approximate weight: 808 lbs.



625 DH Lifting Capacities

Body Length	Chassis CA	Overhang	Capacities at Specified Pump Angle		
			40° (tons)	45° (tons)	50° (tons)
12'	108"	6"	17.2	15.3	13.9
12'-6"	108"	12"	18.0	16.0	14.5
14'	108"	30"	21.0	18.7	16.9
14'	120"	18"	17.2	15.3	13.9
14'	120"	6"	14.5	13.0	11.7
14'-6"	108"	36"	22.2	19.8	17.9
14'-6"	120"	24"	18.0	16.0	14.5
14'-6"	120"	12"	15.1	13.5	12.2
16'	120"	30"	17.2	15.3	13.9
16'	138"	24"	15.7	14.0	12.7
16'	138"	12"	13.5	12.0	10.9
16'-6"	138"	30"	16.4	14.7	13.3
16'-6"	138"	18"	14.0	12.5	11.3
16'-6"	144"	24"	15.1	13.5	12.2
18'-6"	138"	42"	16.4	14.7	13.3
18'-6"	144"	48"	18.0	16.0	14.5
18'-6"	144"	36"	15.1	13.5	12.2
Mounting Distance			125-1/4"	112"	101-1/2"

Capacity varies with location of rear hinge

Drop Hinge Low Profile Hoists

Designed to reduce overall bed height



MODEL 630 DH:12' to 18'6" Bodies

- Designed for 108" to 168" C.A. truck chassis.
- NTEA classification: Conversion=F; Dump Body=60.
- Direct mount P.T.O. driven gear pump.
- Cylinder specifications: 6" bore; 29" stroke; 2-1/2" diameter rod.
- Lost motion device means low 7-3/4" mounting height-no alteration of body crossmembers.
- Capacity range: 12 - 23.4 tons.
- Approximate weight: 864 lbs.



630 DH Lifting Capacities

Body Length	Chassis CA	Overhang	Capacities at Specified Pump Angle		
			40° (tons)	45° (tons)	50° (tons)
12'	108"	6"	-	18.1	16.4
12'-6"	108"	12"	-	18.9	17.2
14'	108"	30"	-	22.1	20.0
14'	120"	18"	20.2	18.1	16.4
14'	120"	6"	17.1	15.3	13.9
14'-6"	108"	36"	-	23.4	21.2
14'-6"	120"	24"	21.2	18.9	17.2
14'-6"	120"	12"	17.8	15.9	14.4
16'	120"	30"	20.2	18.1	16.4
16'	138"	24"	18.5	16.6	15.0
16'	138"	12"	15.9	14.2	12.9
16'	144"	6"	14.8	13.2	12.0
16'-6"	138"	30"	19.3	17.3	15.7
16'-6"	138"	18"	16.5	14.7	13.3
16'-6"	144"	24"	17.8	15.9	14.4
16'-6"	150"	18"	16.5	14.7	13.3
18'-6"	138"	42"	19.3	17.3	15.7
18'-6"	144"	36"	17.8	15.9	14.4
18'-6"	150"	30"	16.5	14.7	13.3
18'-6"	156"	36"	17.8	15.9	14.4
18'-6"	156"	24"	15.3	13.7	12.4
18'-6"	168"	24"	15.3	13.7	12.4
Mounting Distance			145-1/4"	130"	118"

Capacity varies with location of rear hinge

MODEL 5530 DH:16'6" to 20'6" Bodies

- Designed for 120" to 168" C-to-Axle, 132" to 174" Cab-to-Trunnion truck chassis.
- NTEA classification: Conversion=G; Dump Body=70.
- Standard P.T.O. driven direct mount gear pump with optional combination remote reservoir and double-acting control valve.
- Cylinder specifications: Twin 5" bore; 29-1/2" stroke; 2-1/2" diameter rod.
- Lost motion device means low 8-1/2" mounting height-no alteration of body crossmembers.
- Independent body prop.
- Capacity range: 14 - 33.4 tons
- Approximate weight: 1,254 lbs.



5530 DH Lifting Capacities

Body Length	Chassis CA	Chassis Cab to Trunnion	Overhang	Capacities at Specified Pump Angle		
				40° (tons)	45° (tons)	50° (tons)
16'-6"	120"	-	48"	-	33.3	30.2
16'-6"	126"	-	42"	33.4	29.9	27.0
16'-6"	132"	120"	36"	30.2	27.0	24.4
16'-6"	144"	132"	24"	25.4	22.7	20.5
16'-6"	150"	138"	18"	23.5	21.0	19.0
16'-6"	156"	144"	12"	21.9	19.5	17.7
18'-6"	144"	132"	48"	30.2	27.0	24.4
18'-6"	150"	138"	42"	27.6	24.6	22.3
18'-6"	156"	144"	36"	25.4	22.7	20.5
18'-6"	162"	150"	30"	23.5	21.0	19.0
18'-6"	168"	156"	24"	21.9	19.5	17.7
18'-6"	-	168"	12"	19.2	17.2	15.6
20'-6"	168"	156"	48"	25.4	22.7	20.5
20'-6"	-	168"	36"	21.9	19.5	17.7
20'-6"	-	168"	18"	18.1	16.2	14.7
Mounting Distance				146-3/4"	131-1/4"	119"

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.

