

SCISSOR | TELESCOPIC HOISTS

PALFINGER

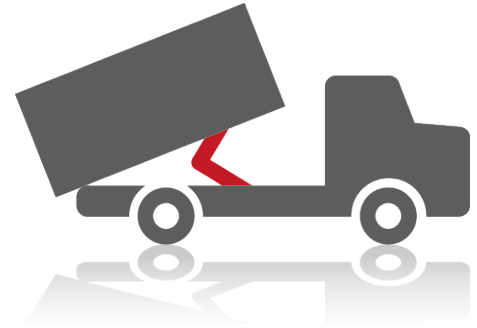
LIFETIME EXCELLENCE

PRECISION-ENGINEERED HOISTS FOR DUMP BODY AND PLATFORM APPLICATIONS



DROP HINGE LOW PROFILE HOISTS

DESIGNED TO REDUCE OVERALL BED HEIGHT



HIGHLIGHTS

- » 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.



TECHNICAL 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.

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 Dump 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 Dump 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.



515 DH LIFTING CAPACITIES

Body Length	Chassis CA	Overhang	Capacities at Specified Dump 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'-6"	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"	102"	18"	19.8	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

DROP HINGE LOW PROFILE HOISTS

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.



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.



520 DH LIFTING CAPACITIES

Body Length	Chassis CA	Overhang	Capacities at Specified Dump 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

625 DH LIFTING CAPACITIES

Body Length	Chassis CA	Overhang	Capacities at Specified Dump 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

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.



MODEL 5530 DH: 16'6" TO 20'6" 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..



630 DH LIFTING CAPACITIES

Body Length	Chassis CA	Overhang	Capacities at Specified Dump 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

5530 DH LIFTING CAPACITIES

Body Length	Chassis CA	Chassis Cab to Trunnion	Overhang	Capacities at Specified Dump 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

DROP HINGE LOW PROFILE SUBFRAME HOISTS HIGHLY CONFIGURABLE. EASILY INSTALLED.



HIGHLIGHTS

- » 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.



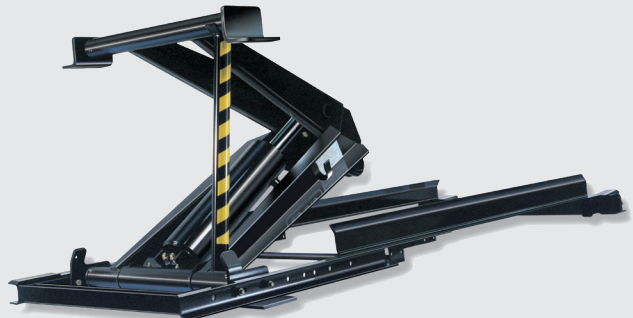
415 SF LIFTING CAPACITIES

Body Length	Chassis CA	Overhang	Capacities at Specified Dump 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 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.



515 SF LIFTING CAPACITIES

Body Length	Chassis CA	Overhang	Capacities at Specified Dump 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

DROP HINGE LOW PROFILE SUBFRAME HOISTS

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 Dump 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: ' 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.
- » Capacity range: 6.8 - 15.9 tons.



520 SF LIFTING CAPACITIES

Body Length	Chassis CA	Overhang	Capacities at Specified Dump 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

OLYMPIC TWIN STABILIZED TELESCOPIC HOISTS

RELIABILITY, STRENGTH AND TORSIONAL STABILITY

HIGHLIGHTS

- » 3 year/36,000 mile limited warranty.
- » 7 year limited warranty on main frame.
- » Hoist components are fabricated from special high-strength steel.
- » Piston rods and cylinder stages are hard chromed and high polished to ensure long cylinder life.
- » Unique patented design results in greater torsional stability for resistance to body twist under uneven loads, non-level surfaces and for dumping on the fly.
- » Self-centering cylinder saddles reduce the possibility of seal or cylinder wall damage.
- » Patented frame stop prevents the hoist from going over center and the cylinders from bottoming out.
- » High pressure fittings and hoses for greater safety and hoist longevity.
- » Low profile reduced mounting height eliminates the need to cut body cross-members.
- » Hoist can be mounted in either direction for easy, quick and flexible installation.
- » Lifting capacities are greater and the reach is longer than other stabilizer type hoists due to advanced design superior materials.
- » PTO driven direct mount gear pump is standard. Remote mount gear pump or high pressure, positive displacement piston pump available as options



SPECIFICATIONS

Model	Class	Cylinder(s) and Cylinder Action	Maximum Operating Pressure	Pump Model	Approx. Weight	Mounting Height	Body Lengths
110 DA	F/60	(2) Two Stage Telescopic Double Acting	3,500 psi.	Williams GP 919	833 lbs.	6-3/4"	13'-6" to 18'-6"
128 SA	H/70	(2) Two Stage Telescopic Single Acting	3,500 psi.	Williams GP 2041	966 lbs.	7-5/8" (11-3/8")**	16'-6" to 20'-6"
128 DA	H/80	(2) Two Stage Telescopic Double Acting	3,500 psi.	Williams GP 2041	975 lbs.	7-5/8" (11-3/8")**	16'-6" to 20'-6"
144 SA	J/100	(2) Three Stage Telescopic Single Acting	3,250 psi.	Williams GP 2041	1,151 lbs.	7-5/8" (11-3/8")**	18'-6" to 22'-6"
144 HD	K/110	(2) Three Stage Telescopic Single Acting	3,250 psi.	Williams GP 2041	1,268 psi.	7-5/8" (11-3/8")**	18'-6" to 24'-6"
180 SA	K/110	(2) Three Stage Telescopic Single Acting	3,250 psi.	Williams GP 2041	1,346 psi.	7-5/8" (11-3/8")**	20'-6" to 26'-6"

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

** 11-3/8" is height at mount angles.

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

OLYMPIC 144 HD HOIST

The Omaha Standard PALFINGER Olympic 144 HD is constructed with self-lubricating "Poly Lube" composite bearings in all joints (including the rear hinge) allowing for grease-free operation. The owner/operator will never have to lubricate the hoist.



OLYMPIC 144 HD LIFTING CAPACITIES

Body	Chassis Cab to Axle	Overhang	Capacities at Specified Dump Angle			
			40° (tons)	45° (tons)	50° (tons)	55° (tons)
12'-5"	108"	0"	37.3	38.2	36.8	33.7
13'	108"	6"	39.5	40.6	38.4	35.1
14'	108"	18"	44.6	45.2	41.9	38.3
14'	120"	6"	35.4	36.1	35.1	32.4
14'-6"	120"	12"	37.3	38.2	36.8	33.7
15'	120"	18"	39.5	40.6	38.4	35.1
16'-6"	156"	0"	26.0	26.0	26.4	25.3
17'	156"	6"	27.0	27.1	27.3	26.2
17'-6"	156"	12"	28.1	28.2	28.4	27.2
18'	156"	18"	29.3	29.5	29.5	28.1
Mounting Distance			58-1/4"	41-1/2"	128-1/2	117-3/4

Capacity varies with location of rear hinge

OLYMPIC TWIN STABILIZED TELESCOPIC HOISTS

LIFTING CAPACITIES

OLYMPIC 110 DA HOIST | PLATFORM BODY

Body	Chassis	Chassis Cab	Overhang	Capacities at Specified Dump Angle			
Lenth	Cab to Axle	to Trunnion		40°(tons)	45°(tons)	50° (tons)	55° (tons)
15'	120"	108"	30"	24.9	22.8	20.1	18.3
15'	126"	114"	24"	22.6	20.2	18.3	16.7
15' - 6"	120"	108"	36"	26.2	23.4	21.2	19.3
15' - 6"	138"	126"	18"	19.4	17.8	16.1	14.7
16'	120"	108"	42"	27.6	24.7	22.4	20.4
16'	126"	114"	36"	24.9	22.2	20.1	18.3
16'	138"	126"	24"	20.3	18.5	16.8	15.3
16'	144"	132"	18"	18.5	17.1	15.5	4.1
16'	150"	138"	12"	16.9	15.7	14.4	13.1
18'	138"	126"	48"	24.9	22.2	20.1	-
18'	150"	138"	36"	20.3	18.5	16.8	15.3
Mounting Distance				122 - 3/4"	110"	99 - 3/4"	91 - 1/4"

Capacity varies with location of rear hinge.

OLYMPIC 128 SA/DA HOISTS | PLATFORM BODY

Body	Chassis	Chassis Cab	Overhang	Capacities at Specified Dump Angle			
Lenth	Cab to Axle	to Trunnion		40°(tons)	45°(tons)	50° (tons)	55° (tons)
18'	138"	126"	48"	33.2	29.6	26.7	-
18'	144"	132"	42"	30.2	26.9	24.3	22.2
18'	150"	138"	36"	27.7	24.7	22.2	20.3
18'	156"	144"	30"	25.1	22.8	20.5	18.7
18'	162"	150"	24"	23.0	21.2	19.1	17.4
18'	168"	156"	18"	21.2	19.6	17.8	16.2
20'	168"	156"	42"	25.1	22.8	20.5	18.7
20'	174"	162"	36"	23.0	21.2	19.1	17.4
20'	180"	168"	30"	21.2	19.6	17.8	16.2
20'	186"	174"	24"	19.6	18.2	16.7	15.2
Mounting Distance				143"	128 - 1/2"	116 - 1/2"	107"

Capacity varies with location of rear hinge.

OLYMPIC 144 SA HOIST | PLATFORM HOIST

Body	Chassis Cab	Overhang	Capacities at Specified Dump Angle			
Lenth	to Trunnion		40°(tons)	45°(tons)	50° (tons)	55° (tons)
20'	156"	42"	39.9	36.7	33.2	30.4
20'	162"	36"	36.3	34.1	30.8	28.2
20'	174"	24"	29.8	29.0	26.9	24.0
20'	180"	18"	27.3	26.9	25.3	24.7
22'	174"	18"	36.3	34.1	30.8	23.2
22'	180"	42"	32.8	31.5	28.7	26.3
22'	186"	36"	29.8	29.0	26.9	24.7
22'	192"	30"	27.3	26.9	25.3	23.2
22'	198"	24"	25.2	25.1	23.9	21.9
24'	192"	54"	32.8	31.5	-	-
24'	198"	48"	29.8	29.0	26.9	-
24'	204"	42"	27.3	26.9	25.3	23.2
Mounting Distance			159"	142 - 1/2"	129"	118 - 1/2"

Capacity varies with location of rear hinge.

OLYMPIC 180 SA HOIST | PLATFORM HOIST

Body	Chassis Cab	Overhang	Capacities at Specified Dump Angle			
Lenth	to Trunnion		40°(tons)	45°(tons)	50° (tons)	55° (tons)
20'	156"	42"	39.9	36.7	33.2	30.4
20'	162"	36"	36.3	34.1	30.8	28.2
20'	174"	24"	29.8	29.0	26.9	24.0
20'	180"	18"	27.3	26.9	25.3	24.7
22'	174"	18"	36.3	34.1	30.8	23.2
22'	180"	42"	32.8	31.5	28.7	26.3
22'	186"	36"	29.8	29.0	26.9	24.7
22'	192"	30"	27.3	26.9	25.3	23.2
22'	198"	24"	25.2	25.1	23.9	21.9
24'	192"	54"	32.8	31.5	-	-
Mounting Distance			159"	142 - 1/2"	129"	118 - 1/2"

Capacity varies with location of rear hinge.

OLYMPIC 110 DA HOIST | DUMP HOIST

Body	Chassis Cab	Overhang	Capacities at Specified Dump Angle			
Lenth	to Trunnion		40°(tons)	45°(tons)	50° (tons)	55° (tons)
10' - 6"	84"	0"	23.7	21.2	19.2	17.5
11'	84"	6"	24.9	22.3	20.2	18.4
11' - 6"	84"	12"	26.2	23.5	21.2	19.4
12' - 6"	108"	0"	19.4	17.8	16.1	14.7
13'	108"	6"	20.4	18.6	16.8	15.3
14'	108"	18"	22.7	20.3	18.3	16.7
14'	120"	6"	18.5	17.1	15.5	14.1
14' - 6"	120"	12"	19.4	17.8	16.1	14.7
15'	120"	18"	20.4	18.6	16.8	15.3
Mounting Distance			122 - 3/4"	110"	99 - 3/4"	91 - 1/4"

Capacity varies with location of rear hinge.

OLYMPIC 144 SA HOIST | DUMP HOIST

Body	Chassis Cab	Overhang	Capacities at Specified Dump Angle			
Lenth	to Trunnion		40°(tons)	45°(tons)	50° (tons)	55° (tons)
12' - 5"	108"	0"	39.5	35.9	32.5	29.7
13'	108"	6"	41.6	37.4	33.8	30.9
14'	108"	18"	45.7	40.8	36.9	33.8
14'	120"	6"	37.6	34.5	31.2	28.6
14' - 6"	120"	12"	39.5	35.9	32.5	29.7
15'	120"	18"	41.7	37.4	33.8	30.9
16' - 6"	156"	0"	26.8	26.3	24.6	22.5
17'	156"	6"	28.0	27.3	25.4	23.2
17' - 6"	156"	12"	29.4	28.4	26.2	24.0
18'	156"	18"	30.1	29.6	27.1	24.8
Mounting Distance			159 - 1/2"	142" - 3/4"	129 - 1/4"	118 - 1/2"

Capacity varies with location of rear hinge.

OLYMPIC 144 SA/DA HOIST | DUMP HOIST

Body Lenth	Chassis Cab to Trunnion	Overhang	Capacities at Specified Dump Angle			
			40°(tons)	45°(tons)	50° (tons)	55° (tons)
10' - 6"	84"	0"	29.7	26.5	23.9	21.8
11'	84"	6"	31.2	27.8	25.1	22.9
11' - 6"	84"	12"	32.8	29.3	26.4	24.1
12'	84"	18"	34.7	30.9	27.9	25.5
12' - 6"	108"	0"	25.0	22.3	20.1	18.4
13'	108"	6"	26.0	23.2	20.9	19.1
14'	108"	18"	28.4	25.3	22.8	20.9
14'	120"	6"	24.0	21.4	19.3	17.6
14' - 6"	120"	12"	25.0	22.3	20.1	18.4
15'	120"	18"	26.0	23.2	20.9	19.1
15' - 6"	156"	0"	18.9	16.9	15.2	13.9
17'	156"	6"	19.5	17.4	15.7	14.3
17' - 6"	156"	12"	20.1	18.0	16.2	14.8
18'	156"	18"	20.8	18.6	16.7	15.3
Mounting Distance			143 - 1/4"	128" - 1/2"	116 - 3/4"	107"

Capacity varies with location of rear hinge.

OLYMPIC 180 SA HOIST | DUMP HOIST

Body Lenth	Chassis Cab to Trunnion	Overhang	Capacities at Specified Dump Angle			
			40°(tons)	45°(tons)	50° (tons)	55° (tons)
10' - 6"	84"	0"	23.7	21.2	19.2	17.5
11'	84"	6"	24.9	22.3	20.2	18.4
11' - 6"	84"	12"	26.2	23.5	21.2	19.4
12' - 6"	108"	0"	19.4	17.8	16.1	14.7
13'	108"	6"	20.4	18.6	16.8	15.3
14'	108"	18"	22.7	20.3	18.3	16.7
14'	120"	6"	18.5	17.1	15.5	14.1
14' - 6"	120"	12"	19.4	17.8	16.1	14.7
Mounting Distance			122 - 3/4"	110"	99 - 3/4"	91 - 1/4"

Capacity varies with location of rear hinge.

HEAVY DUTY PLATFORMS

- ≥ Choice of pressure treated yellow pine, apitong hardwood, treadplate steel, smooth steel, or steel over wood floor.
- ≥ **E-Coat Finish: Exclusive high gloss black acrylic electrocoat topcoat provides unmatched coverage and corrosion resistance
- ≥ 2x4 stake pockets are reinforced for added strength
- ≥ Recessed light holes provide superior protection for lighting. All lighting meets FMVSS 108 requirements.
- ≥ 11 GA high strength roll-formed steel side, front and rear outrail.
- ≥ Heavy gauge, high strength steel outrail and cross members combine with structural steel channel long members for the strongest platform available.
- ≥ Rumber products are environmentally friendly, are stronger than other composites and are impervious to fluids, mud, oil and UV rays.
- ≥ Cross members on 14 foot and longer platforms are on 12" centers
- ≥ 96 inch wide standard, 102 inch wide available.



Platform Length & Width	Wood	Smooth Steel	Treadplate 1/8"	Treadplate 3/16"
8'-6" x 82"	524	695	718	847
8'-6" x 96"	561	751	778	928
9'-6" x 82"	627	839	870	1038
9'-6" x 96"	755	872	826	1137
10'-6" x 96"	836	964	918	1258
12'-6" x 96"	984	1137	1076	1563
14'-6" x 96"	1168	1346	1280	1951
15'-6" x 96"	1301	1489	1418	2087
16'-6" x 96"	1433	1637	1561	2224
18'-6" x 96"	1576	1724	1729	2333
20'-6" x 96"	1744	1816	1902	2766
22'-6" x 96"	1999	2090	2183	3110
24'-6" x 96" **	2270	2310	2356	3390
26'-6" x 96" **	2524	2496	2601	3560

UNDERBODY TOOLBOX

Built for strength, durability, and corrosion resistance from all A-60 two-sided zinc coated galvanized steel. To keep the interior compartment dry and weather resistant, we've added a drip rail and a full perimeter automotive neoprene bulb door seal. The all stainless steel key lockable automotive rotary paddle latches make these toolboxes a secure, convenient place to store tarps, flares, tools, chains, etc.



Model	Length	Height	Depth	Clear Door Openings	Approx Weight	Capacity (CU.
U-24	24"	20"	20"	19 - 3/8" X 15 - 3/8"	76 lbs.	4.5
U-30	30"	20"	20"	25 - 3/8" X 15 - 3/8"	92 lbs.	5.6
U-36	36"	20"	20"	31 - 3/8" X 15 - 3/8"	106 lbs.	6.8
U-48	48"	20"	20"	43 - 3/8" X 15 - 3/8"	134 lbs.	9.0
U-60	60"	20"	20"	55 - 3/8" X 15 - 3/8"	164 lbs.	11.2



Solid Steel Sides with Econo Rear



Grain Sides with Tip Tops

AMERICA'S STANDARD



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.

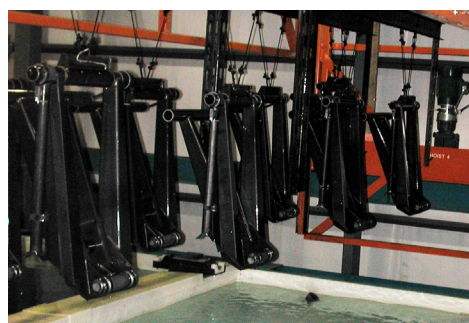
12 STEP PAINT PROCESS PROVIDES THE ULTIMATE RUST RESISTANCE & IS ENVIRONMENTALLY FRIENDLY!



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



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



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

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.

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 375o.

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



Products 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.