

Subframe Scissor Hoists

Subframe Scissor Hoists

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 1/4" 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 alteration of body crossmembers
- Capacity range: 5.5 - 12.9 tons
- Approximate weight: 537 lbs.



MODEL 415 SF LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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.

Both models 415 SF and 515 SF 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. Both hoists have lubricated fittings at all pivots and a low mounting height of 7 1/8".

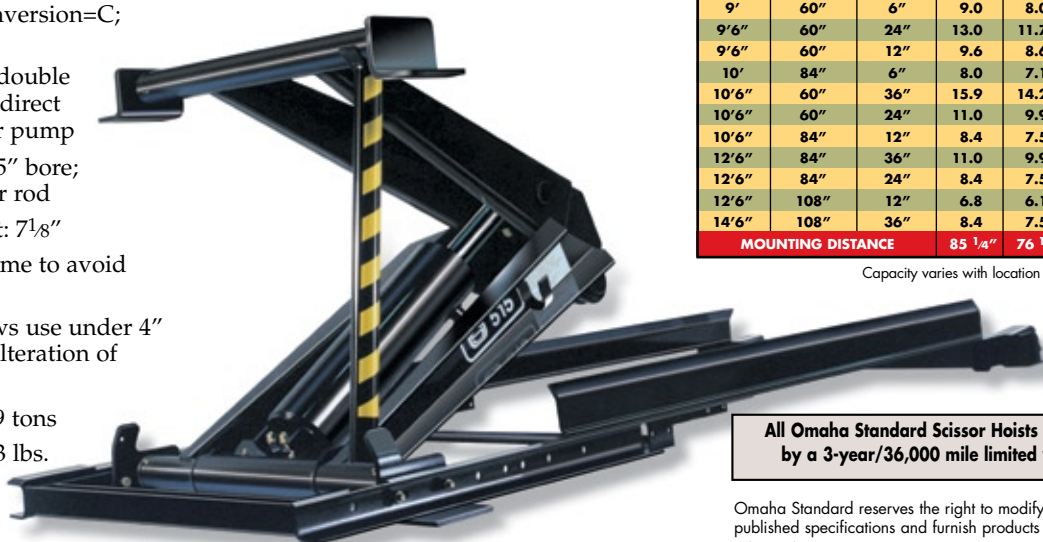


All Omaha Standard hoists are e-coated to make them more durable and corrosion resistant giving you more value for your money.

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 1/4" 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 alteration of body crossmembers
- Capacity range: 6.8 - 15.9 tons
- Approximate weight: 543 lbs.



MODEL 515 SF LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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.

All Omaha Standard Scissor Hoists are covered by a 3-year/36,000 mile limited warranty.

Omaha Standard reserves the right to modify, change or revise published specifications and furnish products so altered without prior notice.

SUBFRAME SCISSOR HOIST FEATURES

- 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
- Operating pressure: 3,250 p.s.i.
- Lubrication fittings at all pivot points
- Pre-installed, integral body prop automatically positions itself, stores securely out of the way when not in use

MODEL 519 SF

8' to 14'6" Bodies

- Designed 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"

Designed specifically for the Ford 450 and 550 Super Duty, the Chevrolet HD3500 and similar GVWR trucks



MODEL 519 SF LIFTING CAPACITIES

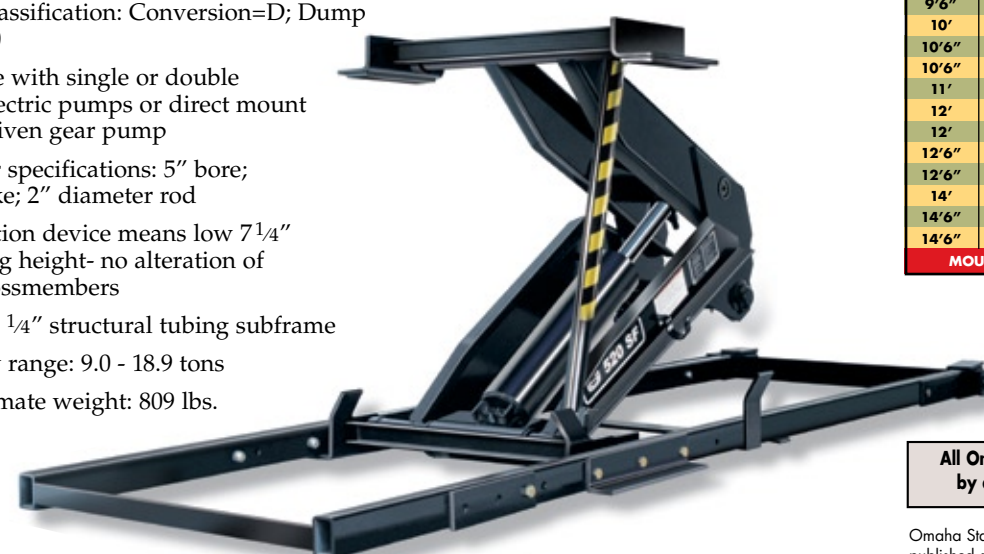
BODY LENGTH	CHASSIS CAB-TO AXLE	OVERHANG	CAPACITIES AT SPECIFIED DUMP ANGLE		
			40° (TONS)	45° (TONS)	50° (TONS)
8'	60"	6"	14.7	13.2	11.9
8'6"	60"	12"	15.9	14.2	12.8
9'	60"	18"	17.2	15.4	13.9
9'	72"	6"	12.9	11.5	10.4
9'6"	60"	24"	18.8	16.8	15.2
9'6"	72"	12"	13.7	12.3	11.1
10'	60"	30"	20.6	18.4	16.7
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

9' to 14'6" Bodies

- Designed 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" stroke; 2" diameter rod
- Lost motion device means low 7 1/4" mounting height- no alteration of body crossmembers
- 2" x 3" x 1/4" structural tubing subframe
- Capacity range: 9.0 - 18.9 tons
- Approximate weight: 809 lbs.



MODEL 520 SF LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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.

All Omaha Standard Scissor Hoists are covered by a 3-year/36,000 mile limited warranty.

Omaha Standard reserves the right to modify, change or revise published specifications and furnish products so altered without prior notice.

CAUTION: The combined weight of the truck chassis, hoist, platform, sides and cargo must not exceed the G.V.W. R. of the vehicle. The completed vehicle must meet all applicable federal, state, local and vehicle manufacturer laws and standards.

NOTE: Lifting capacity chart does not necessarily indicate recommended application. **NOTE:** NA indicates that the application is not recommended. Consult the factory for installations not shown in the charts of this printed literature.

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

NOTE: All lifting capacity ratings are gross load (body and cargo) and are based on proper body length, overhang, mounting distance, and a level load. All calculations assume 3" (7.6 cm.) clearance between front of body and back of cab with a rear hinge location 33" (83.8 cm.) behind the centerline of the rear axle for single axle trucks and 45" (114.3 cm.) behind the center line of the trunnion for tandem axle trucks unless otherwise noted.

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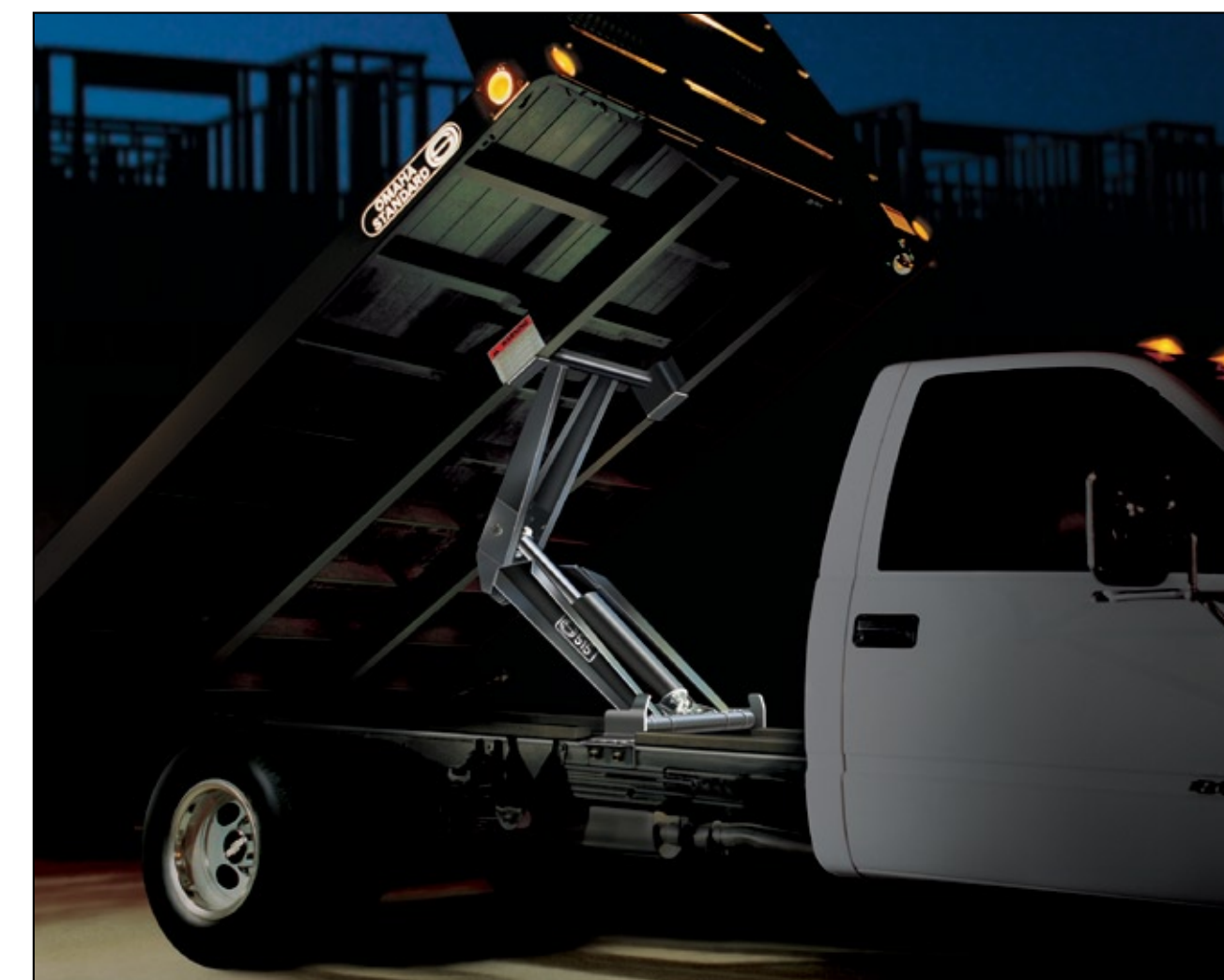
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DHLP 0606



Drop Hinge Low Profile SCISSOR HOISTS



From 5 ton to 33 ton capacities...a precision engineered hoist to fit your needs for any truck.



America's Standard In Conversion Hoists

Drop Hinge Low Profile Scissor Hoists



Drop Hinge Low Profile Scissor Hoists

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 1/4" 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.



MODEL 415 DH LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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.

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

Both hoists have lubricated fittings at all pivots and a low mounting height of 6 1/4".

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 1/4" 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.



MODEL 515 DH LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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 LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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"	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.

All Omaha Standard Scissor Hoists are covered by a 3-year/36,000 mile limited warranty.

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MODEL 519 DH

8' to 14'6" Bodies

- Designed 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.



Designed specifically for the Ford 450 and 550 Super Duty, the Chevrolet HD3500 and similar GVWR trucks



All Omaha Standard hoists are e-coated to make them more durable and corrosion resistant giving you more value for your money.

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" 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 520 DH LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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.

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
- Cylinder specifications: 6" bore; 25" 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.



MODEL 625 DH LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	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
14'6"	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.

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All Omaha Standard hoists are e-coated to make them more durable and corrosion resistant giving you more value for your money.

DROP HINGE LOW PROFILE HOIST FEATURES

- 3 year/36,000 mile limited warranty
- 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 (independent body prop used on the 5530)

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 630 DH LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	OVERHANG	CAPACITIES AT SPECIFIED DUMP ANGLE		
			40° (TONS)	45° (TONS)	50° (TONS)
12'	108"	6"	NA	18.1	16.4
12'6"	108"	12"	NA	18.9	17.2
14'	108"	30"	NA	22.1	20.0
14'	120"	18"	20.2	18.1	16.4
14'6"	120"	6"	17.1	15.3	13.9
14'6"	108"	36"	NA	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'	138"	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" Cab-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
- Capacity range: 14.7 - 33.4 tons
- Approximate weight: 1,254 lbs.



MODEL 5530 DH LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	CHASSIS CAB-TO TRUNNION	OVERHANG	CAPACITIES AT SPECIFIED DUMP ANGLE		
				40° (TONS)	45° (TONS)	50° (TONS)
16'6"	120"	NA	48"	NA	33.3	30.2
16'6"	126"	NA	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"	NA	168"	12"	19.2	17.2	15.6
20'6"	168"	156"	48"	25.4	22.7	20.5
20'6"	NA	168"	36"	21.9	19.5	17.7
20'6"	NA	186"	18"	18.1	16.2	14.7
MOUNTING DISTANCE				146 3/4"	131 1/4"	119"

Capacity varies with location of rear hinge.



All Omaha Standard hoists are e-coated to make them more durable and corrosion resistant giving you more value for your money.

CAUTION: The combined weight of the truck chassis, hoist, platform, sides and cargo must not exceed the G.V.W.R. of the vehicle. The completed vehicle must meet all applicable federal, state, local and vehicle manufacturer laws and standards.

NOTE: Lifting capacity chart does not necessarily indicate recommended application.

NOTE: NA indicates that the application is not recommended. Consult the factory for installations not shown in the charts of this printed literature.