



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

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: 4½" bore; 15¼" stroke; 2" diameter rod
- Mounting height: 6¼"
- Unique tapered hoist frame to avoid chassis components
- Capacity range: 5.5 - 12.9 tons
- Approximate weight: 430 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 ¼"	76 ¼"	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 6¼".

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; 15¼" stroke; 2" diameter rod
- Mounting height: 6¼"
- Unique tapered hoist frame to avoid chassis components
- Capacity range: 5.5 - 15.9 tons
- Approximate weight: 440 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 ¼"	76 ¼"	69"

Capacity varies with location of rear hinge.

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: 5½" bore; 19¼" stroke; 2" diameter rod
- Mounting height: 6¾"
- Capacity range: 6.4 - 22.9 tons
- Approximate weight: 495 lbs.



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'	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 ½"	98 ¾"	89 ½"

Capacity varies with location of rear hinge.

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

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.

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 6¾" mounting height-no alteration of body crossmembers
- Capacity range: 8.3 - 18.9 tons
- Approximate weight: 575 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 ¼"	86 ¼"	78 ¼"

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; 2½" diameter rod
- Lost motion device means low 7⅞" mounting height-no alteration of body crossmembers.
- Capacity range: 11.3 - 22.2 tons
- Approximate weight: 630 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'	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 ¼"	112"	101 ½"

Capacity varies with location of rear hinge.

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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 or piston pump available as options with some models
- Double Acting – power up and power down
- 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)

Drop Hinge Low Profile Scissor Hoists

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; 2½" diameter rod
- Lost motion device means low 7¾" mounting height-no alteration of body crossmembers
- Capacity range: 12 - 23.4 tons
- Approximate weight: 650 lbs.



MODEL 630 DH LIFTING CAPACITIES

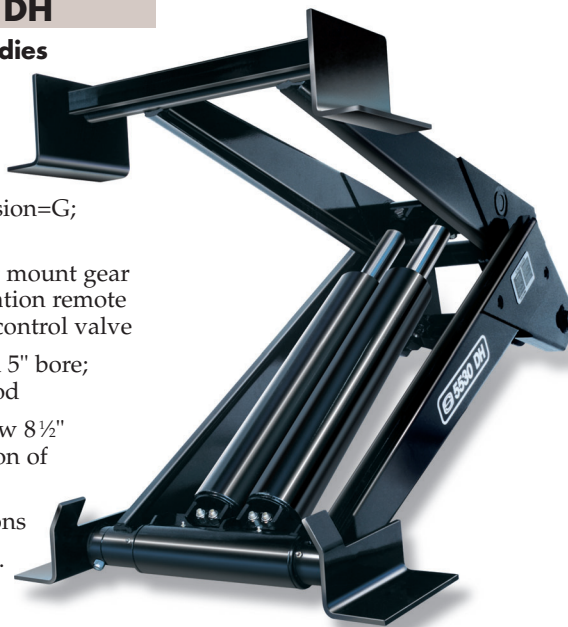
BODY LENGTH	CHASSIS CAB-TO AXLE	OVERHANG	CAPACITIES AT SPECIFIED DUMP ANGLE		
			40° (TONS)	45° (TONS)	50° (TONS)
12'	108"	6"	NA	18.1	16.4
12'6"	108"	12"	NA	18.9	17.2
14'	108"	30"	NA	22.1	20.0
14'	120"	18"	20.2	18.1	16.4
14'	120"	6"	17.1	15.3	13.9
14'6"	108"	36"	NA	23.4	21.2
14'6"	120"	24"	21.2	18.9	17.2
14'6"	120"	12"	17.8	15.9	14.4
16'	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 ¼"	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 ½" stroke; 2½" diameter rod
- Lost motion device means low 8½" mounting height- no alteration of body crossmembers
- Capacity range: 14.7 - 33.4 tons
- Approximate weight: 905 lbs.



MODEL 5530 DH LIFTING CAPACITIES

BODY LENGTH	CHASSIS CAB-TO AXLE	CHASSIS CAB-TO TRUNNION	OVER-HANG	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 ¾"	131 ¼"	119"

Capacity varies with location of rear hinge.

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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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: 4½" bore; 15¼" stroke; 2" diameter rod
- Overall mounting height: 7⅞"
- 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: 475 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 ¼"	76 ¼"	69"

Capacity varies with location of rear hinge.

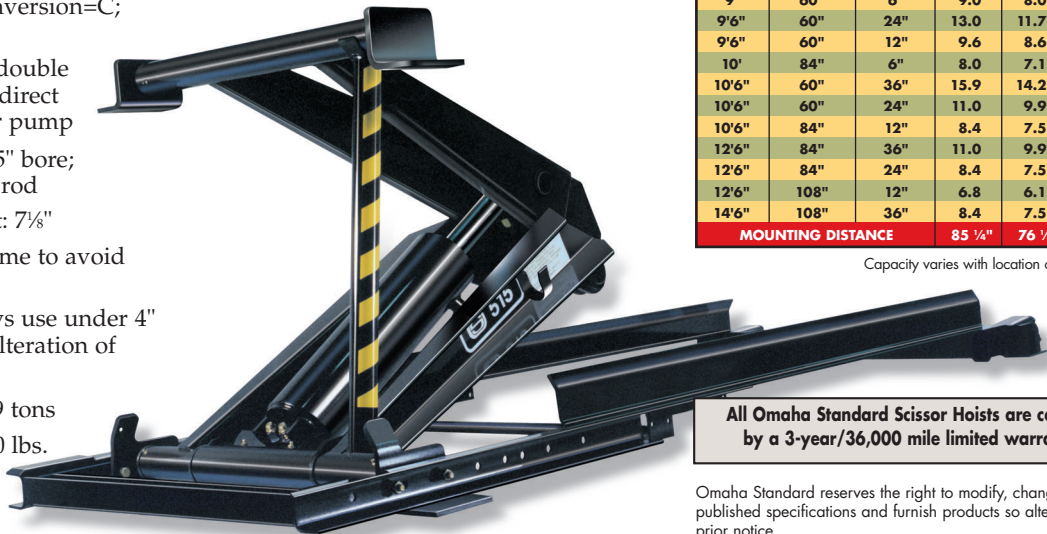
Both models 415 SF and 515 SF share the same narrow drop hinge end that avoids chassis components such as brake equalizer and exhaust system. Both hoists spread to a wide stance at mounts for superior strength and stability. Patent # 5,074,622

Both hoists have lubricated fittings at all pivots and a low mounting height of 7⅞"

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; 15¼" stroke; 2" diameter rod
- Overall mounting height: 7⅞"
- 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: 490 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 ¼"	76 ¼"	69"

Capacity varies with location of rear hinge.

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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
- Double acting – power up and power down
- 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

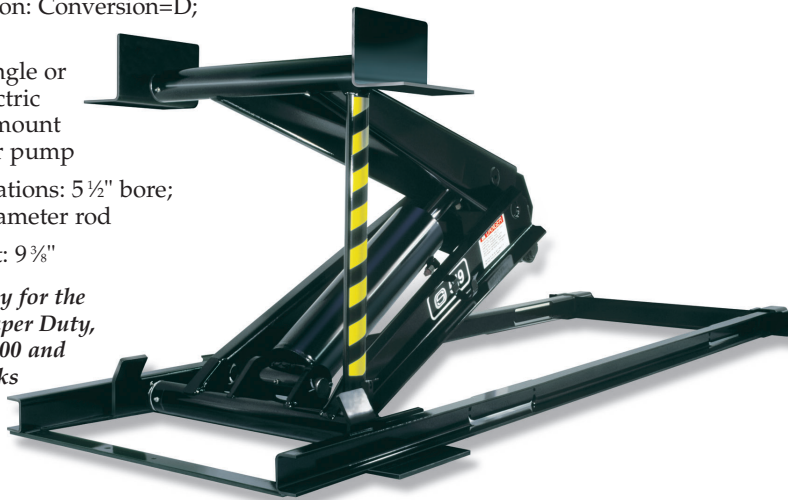
Subframe Scissor Hoists

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: 5½" bore; 19¼" stroke; 2" diameter rod
- Mounting height: 9¾"

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



- Capacity range: 6.4 - 22.9 tons
- Approximate weight: 530 lbs.

MODEL 519 SF LIFTING CAPACITIES

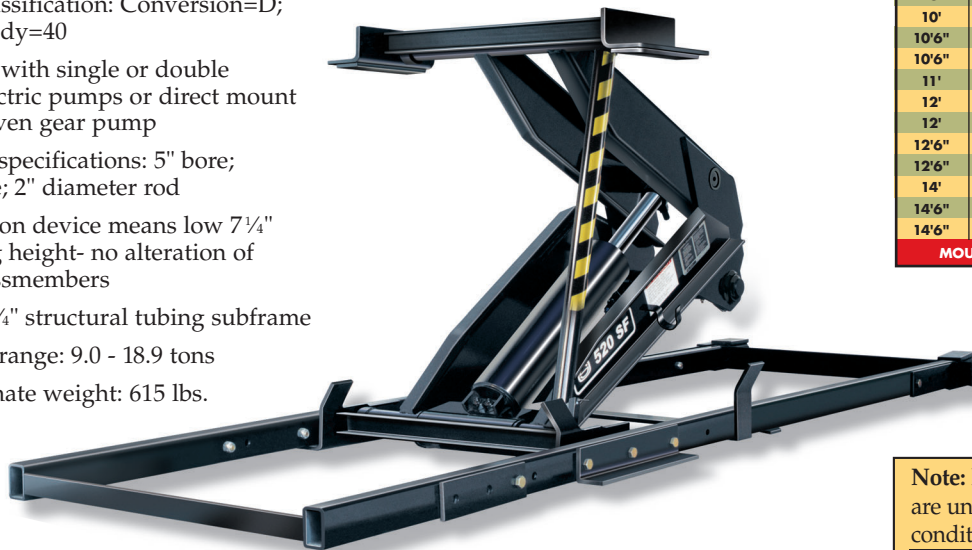
BODY LENGTH	CHASSIS CAB-TO AXLE	OVERHANG	CAPACITIES AT SPECIFIED DUMP ANGLE		
			40° (TONS)	45° (TONS)	50° (TONS)
8'	60"	6"	14.7	13.2	11.9
8'6"	60"	12"	15.9	14.2	12.8
9'	60"	18"	17.2	15.4	13.9
9'	72"	6"	12.9	11.5	10.4
9'6"	60"	24"	18.8	16.8	15.2
9'6"	72"	12"	13.7	12.3	11.1
10'	60"	30"	20.6	18.4	16.7
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	9.3
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 ½"	98 ¾"	89 ½"

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 7¼" mounting height- no alteration of body crossmembers
- 2" x 3" x ¼" structural tubing subframe
- Capacity range: 9.0 - 18.9 tons
- Approximate weight: 615 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 ¼"	86 ¼"	78 ¼"

Capacity varies with location of rear hinge.

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.

Note: For applications where there are uneven loads or non-level dumping conditions, the Omaha Standard **Olympic Series Hoist** is recommended for greater torsional stability and less body twist.

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.

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