

### Lift and Dispense a Drum

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## MORCINCH Drum Handling System

- Automatically adjusts for 22" to 23.5" (56 to 59.7 cm) diameter drum
- Accepts Diameter Adaptors for smaller drums
- Accepts Top Rim Clamp or Bracket Assembly to handle a plastic or fiber drum
- Flexible cover on the cinch chain helps protect drum sidewall
- Durable stress relief weld joints



Manual Tilt Models have pull chain and chain wheel tilt control.

**Manual Tilt Control Options**  
We recommend **Option # 3900SSi-P MORStop Tilt-Brake** to automatically hold drum tilt angle.

**Option X02-400-72SS or X02-400-96SS**  
9" (22.9 cm) Hand Crank (shown left)



**Option X03-400-72SS or X03-400-96SS**  
16" (40.6 cm) Hand Wheel (shown right)



- You Control Lifting Height and Pouring Angle
- Removes Effort and Increases Productivity
- Power Lift and Tilt Options
- Heavy-Duty Hydraulics
- 360° Tilt Control in Either Direction
- Capacity: 800 Lb. (363 kg) full drum, 500 Lb. (227 kg) half-full\* drum

Easily handle a heavy drum with a Morse Hydra-Lift Karrier. Lift, move and control pouring of a 55-gallon (210 liter) drum weighing up to 800 Lb. (363 kg) with minimal effort. Handle a variety of drums by installing the correct accessories for your drum. Models with maximum pouring heights of 72" or 96" (183 or 244 cm).

You can raise and control dispensing as necessary. Increase pouring angle for full discharge, reduce to control the pour rate, or reverse to stop pouring and deliver partial drum contents.

Material is poured forward straight from the drum with variable lift and pour angles. Faucets, pipe, valve extensions, etc. may be attached to the drum.

Though most often used to lift and pour, the Hydra-Lift Karrier can also be used to lift drums on and off scales, platforms, conveyors or trucks, move drums to or from storage, or position drums of parts for hand access at work stations.



**Model 400A-96SS-125** has 96" (2.44 m) dispensing height, battery power lift, and manual tilt

### Each Hydra-Lift Karrier Features

Heavy-duty hydraulic ram with a built-in flow control for a uniform, controlled speed of descent with even the heaviest drum.

Welded rectangular type 304 stainless steel tube framework.

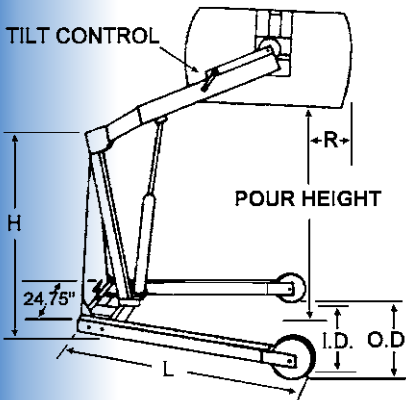
Easy maneuverability on two 8" (20.3 cm) durable polyolefin wheels and two 4" (10.2 cm) swivel casters hidden under the base. Stainless steel casters are available as option # SSC-400.

A step-down floor lock to help hold Hydra-Lift Karrier in place while you dispense from drum.

Frame is made of electro-polished type 304 stainless steel for a bright smooth finish. Welds are not ground or polished. Ratchet and pawl are not stainless steel, but are coated with FDA compliant powder coat. Stainless steel ratchet and pawl available as option # 5597SSi-P. Gears, sprockets and chain are not stainless steel, but are covered with guards. Stainless steel gears are available as option # SSG-MT on manual tilt models, and option # SSG-PT on power tilt models.

Manual-Lift Models have hydraulic hand pump with variable release valve for drum lift.

Manual-Tilt Models have covered tilt gears with 30:1 reduction to make pouring your drum simple and easy.



Model #	Max. Pouring Height	R	H	L	O.D.	I.D.	Turning Radius	Domestic Ship Weight
400A-72SS	72" (1.83 m)	6" (15 cm)	55" (140 cm)	60" (152 cm)	44" (112 cm)	37" (94 cm)	6"	350 Lb. (159 kg)
400A-96SS	96" (2.44 m)	-3" (-7.6 cm)	69" (175 cm)	72.5" (184 cm)	49" (124 cm)	42" (107 cm)	7"	379 Lb. (172 kg)

Reach Beyond Front Wheels with a 55-Gallon Steel Drum			
Model #	Dispensing Height	Reach with Horizontal Drum	Reach with Drum Pouring at 45 Degrees
400A-72SS	36" (91.4 cm)	16" (40.6 cm)	2" (5.1 cm)
	48" (121.9 cm)	15" (38.1 cm)	0
	60" (152.4 cm)	12" (30.5 cm)	-7" (-17.8 cm)
	72" (182.9 cm)	6" (15.2 cm)	- N/A -
400A-96SS	36" (91.4 cm)	11" (27.9 cm)	-1" (-2.5 cm)
	48" (121.9 cm)	13" (33 cm)	0
	60" (152.4 cm)	13" (33 cm)	-3" (-7.6 cm)
	72" (182.9 cm)	11" (27.9 cm)	-7" (-17.8 cm)
	84" (213.4 cm)	6" (15.2 cm)	-15" (-38.1 cm)
96" (243.8 cm)	-3" (-7.6 cm)	-20" (-50.8 cm) at 90° (228.6 cm)	

\* Half-full rating is based on tilt mechanism's capacity for handling a bottom heavy drum. A partially full drum with unbalanced and shifting load is harder to tilt than a full drum.

### Powered Models

#### Models with Power-Lift and Power-Tilt

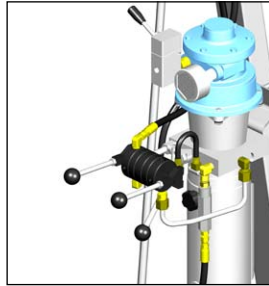
Make drum handling easier and faster. There are two hand valve controls: One for the power-lift function and a second for power-tilt.

Power Option #	Motor Type	Motor Control	Ship Weight Adder
110	AC, 1HP/115V, TEFC	Switch, Cord, Plug	75 Lb. (34 kg)
114	Air, Vane Type	On/Off Valve	95 Lb. (43 kg)
115	DC, 12V	Built-in	120 Lb. (54 kg)



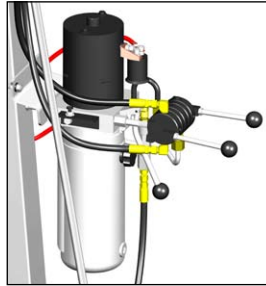
#### Electric Power Lift & Tilt Option #110

Hold momentary switch and lift valve to raise drum. Use second valve to control the hydraulically driven drum tilt. Lower the drum with manual release valve.



#### Air Power Lift and Tilt Option #114

Hold on/off valve and lift valve to raise the drum. Use a second valve to control the hydraulically driven drum tilt. Lower the drum with manual release valve.



#### Battery Power Lift and Tilt Option #115

Self contained battery power-lift. Hold momentary switch and lift valve to raise drum. Use second valve to control the hydraulically driven drum tilt. Lower the drum with manual release valve. Charger is included.

#### Models with Power-Lift, but Manual Tilt Control

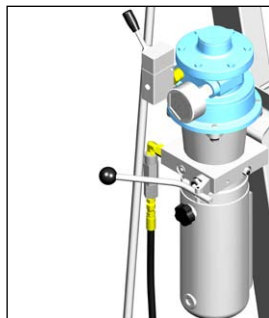
Ease drum lifting, but retain manual tilt control. Models with 72" and 96" (1.8 and 2.4 m) lift heights have pull chain and chain wheel tilt control.

Power Option #	Motor Type	Motor Control	Ship Weight Adder
120	AC, 1HP/115V, TEFC	Switch, Cord, Plug	40 Lb. (18 kg)
124	Air, Vane Type	On/Off Valve	25 Lb. (11 kg)
125	DC, 12V	Built-in	85 Lb. (39 kg)



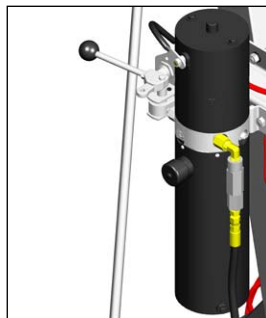
#### Electric Power Lift Option #120

Use switch to raise the drum. Lower the drum with manual release valve.



#### Air Motor Power Lift Option #124

Use on/off valve to raise the drum. Lower the drum with manual release valve.



#### Battery Power Lift Option #125

Self contained battery power-lift. Use valve to raise and lower drum. Charger is included.

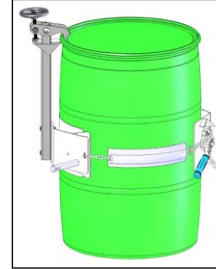
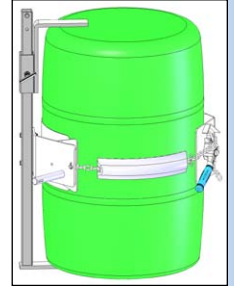
### MORCINCH™ Options

The MORCINCH™ drum holder on Hydra-Lift Karriers is designed to handle a 55-gallon (210 liter) steel drum. It automatically adjusts from 22" to 23.5" (56 to 59.7 cm) in diameter. The cinch chain with pawl and ratchet mechanism is used to secure the drum in the holder.

To handle other drums, order one of the following:

**The Bracket Assembly** provides a brace at top and bottom of your drum to prevent it from slipping lengthways through the drum holder. The Bracket Assembly is required to handle a rimless plastic drum, and recommended to more securely handle a fiber drum. It adjusts for 31" to 39" (79 to 99 cm) tall drum.

Kit # 4556SS-P Stainless Steel Bracket Assembly.

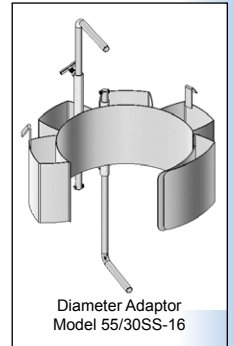


**The Top Rim Clamp** grips the upper rim of your drum to prevent it from slipping through the drum holder. Use to handle a 55-gallon (210 liter) rimmed plastic or fiber drum. To handle a 55-gallon plastic drum with top rim, you must install either the Bracket Assembly or the Top Rim Clamp.

Kit # 4560SS-P Stainless Steel Rim Clamp Assembly.

**Diameter Adaptors** for a smaller diameter drum, fit inside the drum holder. They install easily without tools and are quickly removed.

Adaptors for 17.5" (44.5 cm) diameter or smaller have integrated brackets at top and bottom of the drum. Adjust for a drum up to 38" (96.5 cm) tall.

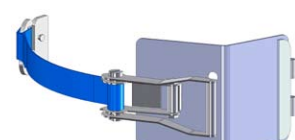


Diameter Adaptor  
Model 55/30SS-16

#### DIAMETER ADAPTORS

STAINLESS STEEL DIAMETER ADAPTOR	FITS DIAMETER	DOMESTIC SHIP WEIGHT
55/30SS-20.5	20" to 20.5" (50.8 to 52.1 cm)	20 Lb. (9.1 kg)
55/30SS-19	18.5" to 19" (47 to 48.3 cm)	24 Lb. (10.9 kg)
55/30SS-17.5	17" to 17.5" (43.2 to 44.5 cm)	35 Lb. (18.9 kg)
55/30SS-16	15.5" to 16" (39.4 to 40.6 cm)	35 Lb. (18.9 kg)
55/30SS-14.5	14" to 14.5" (35.6 to 36.8 cm)	36 Lb. (16.3 kg)

#### Web Strap with Ratchet



Option # 5115SSi-P  
Web Strap and Stainless Steel Ratchet

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### Stainless Steel Hydra-Lift Karrier Model Numbers

Lift Height	AC Motor *** Power Lift and Tilt	Air Motor Power Lift & Tilt	12V DC ** Power Lift & Tilt	AC Motor *** Power Lift, Manual Tilt *	Air Motor Power Lift, Manual Tilt *	12V DC ** Power Lift, Manual Tilt *	Manual Lift & Manual Tilt *
72"	400A-72SS-110	400A-72SS-114	400A-72SS-115	400A-72SS-120	400A-72SS-124	400A-72SS-125	400A-72SS
96"	400A-96SS-110	400A-96SS-114	400A-96SS-115	400A-96SS-120	400A-96SS-124	400A-96SS-125	400A-96SS

\* Manual tilt control is chain wheel and pull-chain.

\*\* 12V DC power option includes battery and 110V AC charger.

\*\*\* Standard AC motors are 1HP, 115V, 60 Hz, TEFC. Explosion-proof motors and 50Hz motors are also available.

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#### Model 400A-72SS-120

Has 72" (1.83 m) dispensing height, electric power lift, and manual drum tilt.

Shown with  
Option X02-400-72SS  
9" (22.9 cm) Hand Crank



### Options and Accessories

Option #	Description
4560SS-P	Stainless Steel Top Rim Clamp for rimmed 55-gallon plastic drum
4556SS-P	Stainless Steel Bracket Assembly required for rimless 55-gallon plastic drum
55/30SS Series	Stainless Steel Diameter Adaptors for various sizes of smaller drum
5115SSi-P	MORCINCH™ Web Strap and Stainless Steel Ratchet Option
3900SSi-P	Stainless Steel MORStop™ Tilt-Brake for manual tilt models only
X02-400-72SS	Stainless Steel Simple Hand Crank for 72" manual tilt models
X02-400-96SS	Stainless Steel Simple Hand Crank for 96" manual tilt models
X03-400-72SS	Stainless Steel 16" Hand Wheel for 72" manual tilt models
X03-400-96SS	Stainless Steel 16" Hand Wheel for 96" manual tilt models
SSG-PT	Stainless Steel Gears and Sprockets on Hydra-Lift Karrier with POWER TILT
SSG-MT	Stainless Steel Gears and Sprockets on Hydra-Lift Karrier with MANUAL TILT
5597SSi-P	Stainless Steel Ratchet and Pawl
SSC-400	Stainless Steel Casters
FGO	Food Grade Hydraulic Oil

#### Model 400A-96SS-125

Has 96" (2.44 m) dispensing height, battery power lift, and manual drum tilt with pull chain tilt control.



Raise drum with ergonomic battery power drum lift. Models are available with battery, electric or air power drum lift. . . or choose a model with powered drum lift AND tilt.



Turn drum 360° in either direction with pull chain and chain wheel. Models are also available with battery, electric or air power drum lift.