

Lift and Dispense a Drum

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MADE
IN
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- Frame made of Bead Blast Finish Type 304 Stainless Steel
- 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

MORCINCH Drum Handling System

- Automatically adjusts for 22" to 23.5" (56 to 59.7 cm) diameter drum
- Accepts Diameter Adapters 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.

Each Hydra-Lift Karrier Features

Heavy-duty hydraulic ram has a built-in flow control for a uniform, controlled speed of descent with even the heaviest drum. Heavy duty hydraulic lift cylinders include a velocity fuse to provide a full line shut-off in the event of a line failure.

Easy maneuverability on two 8" (20.3 cm) durable polyolefin wheels and two 4" (10.2 cm) swivel carbon steel casters hidden under the base. A step-down floor lock to help hold Hydra-Lift Karrier in place while you dispense from drum.

Frame is made of bead blast finished type 304 stainless. Welds are not ground smooth or polished. Ratchet and pawl are not stainless steel, but are coated with FDA compliant powder coat.

Gears, sprockets and chain are not stainless steel, but are covered with guards.

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.

Option # SSG-MT Stainless gears on manual tilt model

Option # SSG-PT Stainless gears on power tilt model

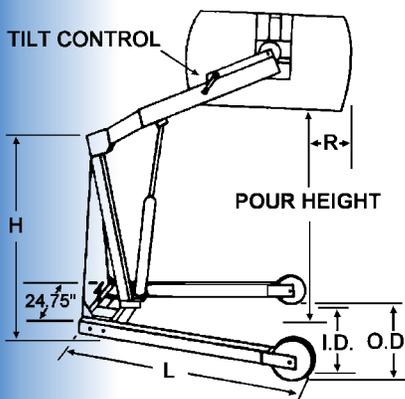
Option # 5597SSI-P Stainless steel ratchet and pawl

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)



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.

Power-Lift and Tilt Models

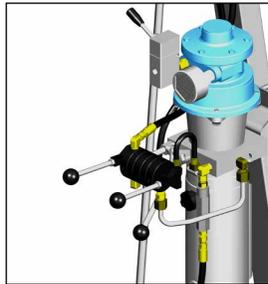
Make drum handling easier and faster. There are two hand valve controls: One for the power-lift function and a second for power-tilt.

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)



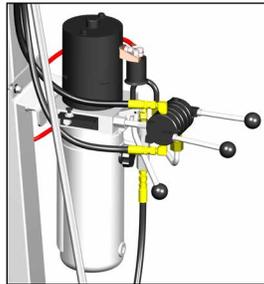
Electric Power Lift & Tilt

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

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. Air motor Requirements: 40 to 60 PSI at 40 SCFM.



Battery Power Lift and Tilt

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.

Power-Lift, Manual Tilt Models

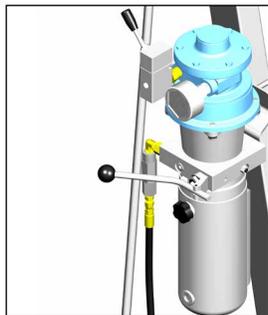
Ease drum lifting, but retain manual tilt control. Models with 72" and 96" (1.8 and 2.4 m) lift heights have pull chain and chain wheel tilt control.

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

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



Air Motor Power Lift

Use on/off valve to raise the drum. Lower the drum with manual release valve. Air motor Requirements: 40 to 60 PSI at 40 SCFM.



Battery Power Lift

Self contained battery power-lift. Operate battery power controls to raise and lower drum. Charger is included.

NOTE: 12V Deep Cycle Lead Acid Battery is designed for domestic shipment only. For export shipment, choose the following battery option:

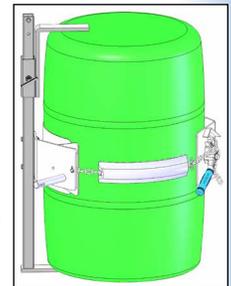
- Option "NB" No Battery. Customer must obtain battery before use... Exide # 27MDP 12V Deep Cycle Battery or equivalent.

Accessories

The **MORCINCH™** Drum Holder 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:

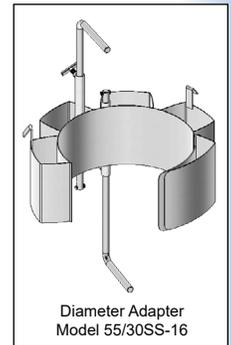
Kit # 4556SS-P Stainless Steel Bracket Assembly provides a brace at top and bottom of drum to prevent it from slipping lengthways. The Bracket Assembly is required to handle a RIMLESS plastic drum, and recommended to more securely handle a fiber drum. It adjusts for 31" to 39" (79 to 99 cm) tall drum.



Kit # 4560BSS-P Stainless Steel 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.

Insert correct size **Diameter Adapter** for each smaller drum. These adapters simply fit inside the **MORCINCH™** drum holder. They install easily without tools and are quickly removed.

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

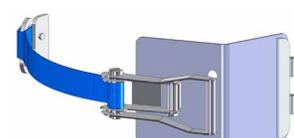


Diameter Adapter
Model 55/30SS-16

DIAMETER ADAPTERS

STAINLESS STEEL DIAMETER Adapter	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.

† Air motor Requirements: 40 to 60 PSI at 40 SCFM

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 Adapters 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
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 tilt.

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