



MORSE 

400 SERIES

SPECIFICATIONS SHEET

HYDRA-LIFT KARRIERS

Lift and Control Dispensing of Your Drum



Model
400A-96-114
with 96" (2438 mm)
dispensing height
and air power lift
and tilt

Easily handle a heavy drum. Lift, move and control pouring of 55-gallon (210 liter) drum weighing up to 800 Lb. (363 kg) with minimal effort. Handle a variety of drums by installing correct accessories for your drum(s). Models with maximum pouring heights of 72" or 96" (1829 or 2437 mm).

- Control Lifting Height and Pouring Angle
- Removes Effort and Increases Productivity
- Power Lift and Tilt Options
- 360° Tilt Control in Either Direction
- Models with Spark Resistant Parts
- **Capacity:** 800 Lb. (363 kg) full drum
500 Lb. (227 kg) half-full drum

Raise and control dispensing. Increase pouring angle for full discharge, reduce to control pour rate, or reverse to stop pouring and deliver partial drum contents.

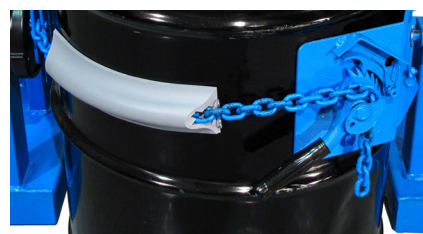
Material is poured forward straight from drum with variable lift and pour angles. Works with faucet, pipe, valve extension, etc. attached to drum.

- Lift drums on and off scales, platforms, conveyors or trucks
- Move drums to and from storage
- Position drum of parts for access at work stations

- Automatically adjusts for 22" to 23.5" (559 to 597 mm) diameter drum
- Accepts Diameter Adaptors for your smaller drum
- Bolt-On Bracket Assembly to handle a plastic drum, recommended to more securely handle a fiber drum
- Bolt-on Top Rim Clamp for 55-gallon (210L) plastic drum or fiber drum
- Includes a flexible cover on the cinch chain to help protect the sidewall of your drum
- Incorporates alloy cinch chain and durable stress relief weld joints



DRUM HANDLING SYSTEM





Lift & Dispense A Drum

EACH HYDRA-LIFT KARRIER FEATURES

- Heavy-duty hydraulic ram has built-in flow control for uniform, controlled speed of descent with even the heaviest drum. Heavy-duty hydraulic lift cylinders include velocity fuse to provide full line shut-off in case of line failure.
- Welded rectangular steel tube framework.
- Maneuver on two 8" (203 mm) durable polyolefin wheels and two 4" (102 mm) swivel casters. Has screw down floor lock.
- Manual-LIFT models have hydraulic hand pump with variable release valve for drum lift.
- Manual-TILT models have 30:1 reduction simple and easy drum pouring.

MODELS WITH MANUAL TILT CONTROL



Model 400A-60 has hand crank tilt control.

Models 400A-72 and **400A-96** have pull chain and chain wheel tilt control.



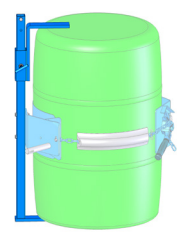
REACH BEYOND FRONT WHEELS WITH A 55-GALLON STEEL DRUM			
MODEL #	DISPENSING HEIGHT	REACH WITH HORIZONTAL DRUM	REACH WITH DRUM POURING AT 45 DEGREES
400A-60 or 400A-72	36" (914 mm)	16" (406 mm)	2" (51 mm)
	48" (1219 mm)	15" (381 mm)	0
	60" (1524 mm)	12" (305 mm)	-7" (-178 mm)
	72" (1829 mm)	6" (152 mm)	- N/A -
400A-96	36" (914 mm)	11" (279 mm)	-1" (-25.4 mm)
	48" (1219 mm)	13" (330 mm)	0
	60" (1524 mm)	13" (330 mm)	-3" (-76 mm)
	72" (1829 mm)	11" (279 mm)	-7" (-178 mm)
	84" (2134 mm)	6" (152 mm)	-15" (-381 mm)
	96" (2438 mm)	-3" (-76 mm)	-20" (-508 mm) at 90° (2286 mm)

DIMENSIONS								
MODEL #	MAXIMUM DISPENSING HEIGHT	TILT CONTROL	R	H	L	O.D.	I.D.	TURNING RADIUS
400A-60	72" 1829 mm	Hand Crank	6" 152 mm	55" 1397 mm	60" 1524 mm	44.3" 1125 mm	37" 940 mm	6' 1829 mm
400A-72	72" 1829 mm	Pull Chain	6" 152 mm	55" 1397 mm	60" 1524 mm	44.3" 1125 mm	37" 940 mm	6' 1829 mm
400A-96	96" 2438 mm	Pull Chain	-3" -76 mm	69" 1753 mm	72.5" 1845 mm	49" 1245 mm	42" 1067 mm	7' 2134 mm

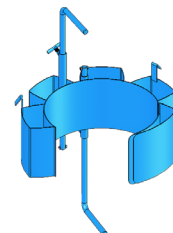
MORCINCH™ drum holder automatically adjusts for 22" to 23.5" (559 to 597 mm) diameter drum. Use cinch chain with pawl and ratchet mechanism to secure drum in holder. To safely handle other drums, you **MUST** install one of the following:



Kit 4560B-P
Top Rim Clamp



Kit 4556-P
Bracket Assembly



Model 55/30-17.5
Diaeter Adapter

Bracket Assembly provides a brace at top and bottom of drum to prevent it from slipping length-ways. It is **REQUIRED** to handle a RIMLESS plastic drum, and recommended to more securely handle a fiber drum. Adjust bracket for 31" to 39" (787 to 991 mm) tall drum.

- Kit 4556-P Bracket Assembly
- Kit 4556M-P Spark Resistant Bracket Assembly

Top Rim Clamp grips upper drum rim to prevent it from slipping length-ways. Handle 30-gallon to 55-gallon (114 to 210 liter) size RIMMED plastic or fiber drum.

- Kit 4560B-P Rim Clamp Assembly
- Kit 4560BM-P Spark Resistant Rim Clamp Assembly.

Insert correct size Diameter Adapter for smaller drum. Simply insert adapter into standard drum holder without tools. Adapters for 17.5" (445 mm) diameter or smaller have integrated brackets at top and bottom of drum. Adjust for up to 38" (965 mm) tall drum. Spark resistant and stainless steel Adapters also available.

DIAMETER ADAPTERS				
DIAMETER ADAPTERS	SPARK RESISTANT	STAINLESS STEEL	FITS DIAMETER	INTEGRATED BRACKETS
55/30-20.5	55/30M-20.5	55/30SS-20.5	20" to 20.5" (508 to 521 mm)	No
55/30-19	55/30M-19	55/30SS-19	18.5" to 19" (470 to 483 mm)	No
55/30-19B	55/30M-19B	55/30SS-19B		Yes
55/30-17.5	55/30M-17.5	55/30SS-17.5	17" to 17.5" (432 to 445 mm)	Yes
55/30-16	55/30M-16	55/30SS-16	15.5" to 16" 394 to 406 mm)	Yes
55/30-14.5	55/30M-14.5	55/30SS-14.5	14" to 14.5" (356 to 368 mm)	Yes



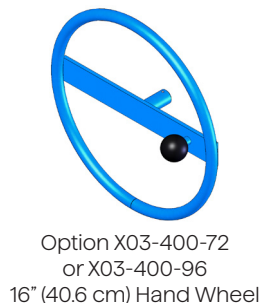
We recommend the **MORStop Tilt-Brake™** on models with manual tilt. It automatically holds the drum tilt angle and prevents uncontrolled turning, even when drum contents shift.

Option 3900i-P
Factory installed
MORStop Tilt-Brake™

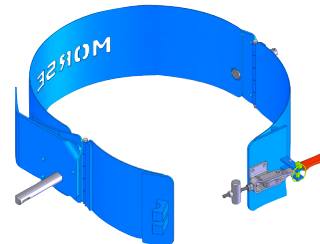


Web Strap with Ratchet

Option 5115i-P
MORCINCH™ Drum Holder with Web Strap and Ratchet option installed. (*Not for use on spark resistant models*).



Option X03-400-72
or X03-400-96
16" (40.6 cm) Hand Wheel



3-Piece Drum Holder Option G-400

The optional 3-Piece Drum Holder is for handling only a 22.5" (571.5 mm) diameter 55-gallon (210 liter) steel drum. It surrounds your drum with a hinged metal band.



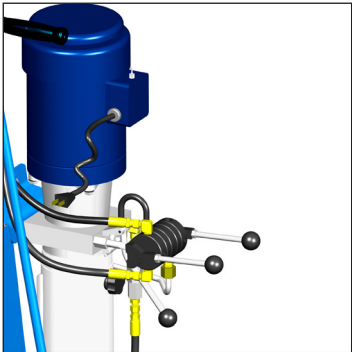
Option
X02-400-72
or
X03-400-96
9" (229 mm)
Hand Crank

To order complete units with any of the power options below, use the power option number as a suffix on manual model number. Example: Model 400A-96-115 has battery powered lift and tilt up to 96" (2438 mm) high. Power-Tilt Options must be ordered on new units from the factory. All units with power options factory installed are shipped fully assembled.

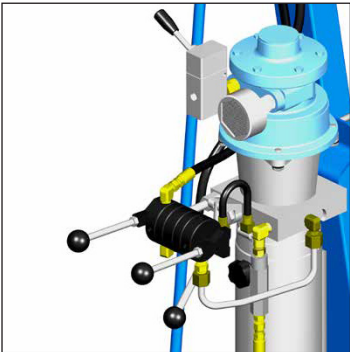
POWER LIFT & TILT MODELS

Power Lift and Tilt Models make drum handling easier and faster. AC and Air models have two hand valve controls, one for power-lift function and a second for power-tilt.

POWER SUFFIX	MOTOR TYPE	MOTOR CONTROL
-110	AC, 1HP/115V, TEFC	Switch, Cord, Plug
-114	Air, Vane Type	On/Off Valve
-115	DC, 12V	Built-in



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 hydraulic 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 and tilt. Operate battery power controls to raise and tilt drum. Separate charger is included.

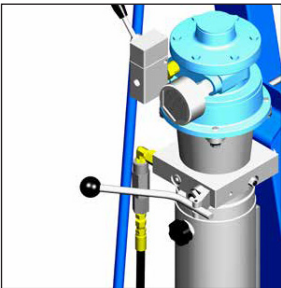
POWER LIFT MODELS WITH MANUAL TILT

Power-Lift Models ease drum lifting, but retain manual tilt control. Hand crank tilt control is on 60" (152 cm) lift height units. Models with 96" (2438 mm) lift heights have pull chain and chain wheel tilt control.

POWER SUFFIX	MOTOR TYPE	MOTOR CONTROL
-120	AC, 1HP/115V, TEFC	Switch, Cord, Plug
-124	Air, Vane Type	On/Off Valve
-125	DC, 12V	Built-in



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 drum. Separate charger is included.

Existing manual lift models can be converted to power lift. Order Power-Lift Kit for "Field installation," such as O-120FILC-500, O-124FILC-500, or O-125FILC-500. 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.



400 SERIES

Hydra-Lift Karriers

SPECIFICATIONS SHEET



Model 400A-96-110

Hydra-Lift Karrier with 96" (2438 mm) lift height, electric powered drum lift and tilt control



Model 400A-72-114

Hydra-Lift Karrier with 72" (1829 mm) lift height, air powered drum lift and tilt control



Model 400A-72-115

Hydra-Lift Karrier with 72" (1829) lift height, battery powered drum lift and tilt control



Model 400A-72-120

Hydra-Lift Karrier with 72" (1829 mm) lift height, electric powered drum lift, and manual pull chain drum tilt control



Model 400A-72-124

Hydra-Lift Karrier with 72" (1829 mm) lift height, air powered drum lift, and manual pull chain drum tilt control



Model 400A-72-125

Hydra-Lift Karrier with 72" (1829 mm) lift height, battery powered drum lift, and manual pull chain drum tilt control