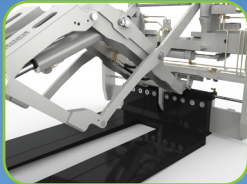
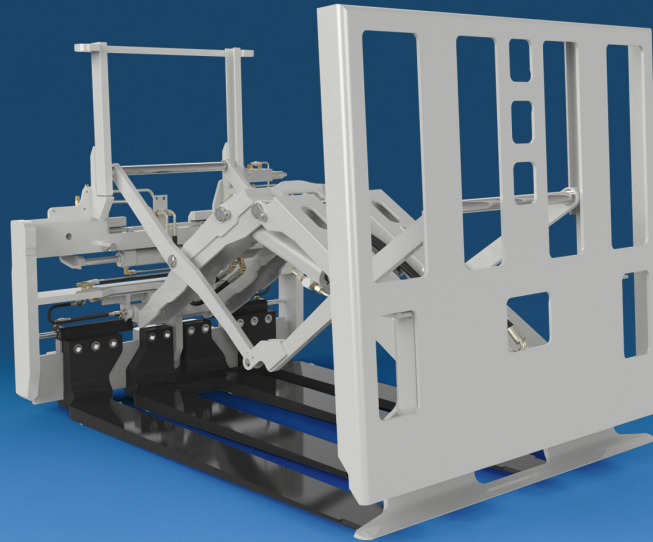


Flexibility to Handle Slipsheeted and Palletized Product



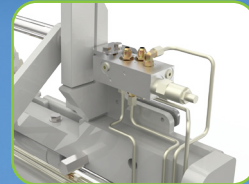
Adjustable outer platens to carry pallets



Adjustable outer platens to handle slipsheets



High visibility faceplate



Hydraulic sequence valve model eliminates hoses & cables over the mast



4° tilting faceplate

APPLICATIONS

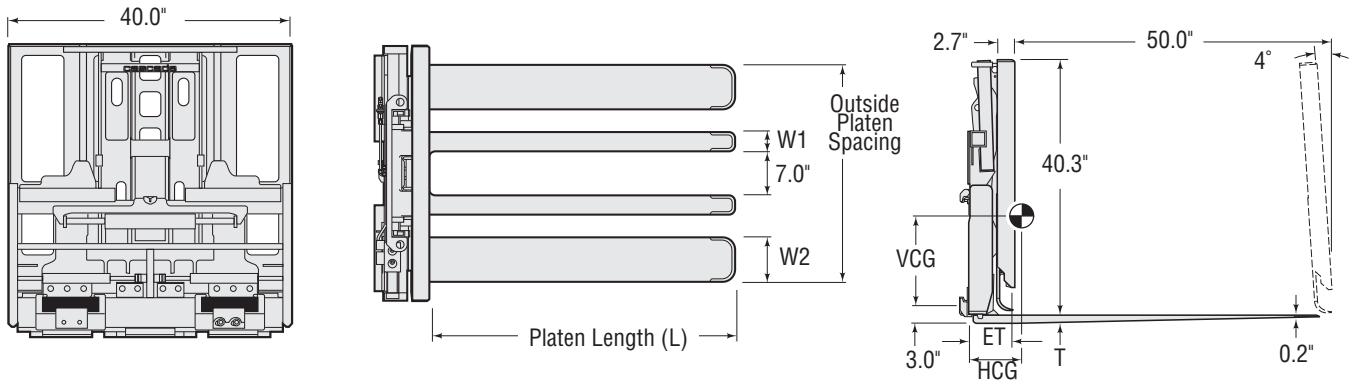
The Cascade Mark 55 Push/Pull is the solution for applications using both slipsheets and pallets in their operation. Hydraulically positionable outer platens are easily opened for conventional slipsheet handling, and closed to allow pallet handling.

OPTIONS

- Quick-Change hydraulic couplers.
- Hydraulic flow control valve.
- Optional faceplate sizes.
- Optional platen sizes.
- Optional platen positions.
- Faceplate stop group.
- Truck-mounted solenoid adaption group.
- Hydraulic load cushion.
- Class III mounting (45E only).

FEATURES

- Your choice of either Hydraulic Sequence Valve or Electronic Solenoid Valve configuration for platen adjust.
- Hydraulically adjustable outer platens easily configures Push/Pull for handling both pallets and slipsheets.
- Sideshifting capability standard for precise positioning and increased productivity.
- High visibility pantograph, gripper jaw and faceplate.
- 4° tilting faceplate to easily grab slipsheet tabs when the mast is tilted forward.
- Protected hydraulics ensure maximum longevity of the attachment.
- Your choice of bolt-on or quick disconnect lower hook mounting.



Minimum carriage width sideshifting – 36"

Catalog Order No.	Capacity@ 24" (600 mm) Load Center		Type	Inner Platen Width W1	Outer Platen Width W2	Platen Size L x T	Mtg. Class/Lower Hook Type	Outside Platen Spacing	Weight		Effective Thickness ET	Horizontal Ctr. of Gravity HCG	Vertical Ctr. of Gravity VCG
	lbs	kg							lbs	kg			
Sequence Valve Equipped Platen Adjust													
35E-PHS-A012	3,500	1,590	Sideshift, Platen Adjust	3"	7"	48" x 1.25"	II Bolt-On	28"-40"	1,145	520	7.6"	6.9"	10.2"
35E-PHS-A013	3,500	1,590		5"	5"	48" x 1.50"	II Bolt-On	28"-40"	1,200	545	7.6"	8.2"	9.9"
35E-PHS-Q012	3,500	1,590		3"	7"	48" x 1.25"	II Q.D.	28"-40"	1,145	520	7.6"	6.9"	10.2"
35E-PHS-Q013	3,500	1,590		5"	5"	48" x 1.50"	II Q.D.	28"-40"	1,200	545	7.6"	8.2"	9.9"
45E-PHS-A012	4,500	2,045		3"	7"	48" x 1.25"	II Bolt-On	28"-40"	1,150	522	7.6"	6.9"	10.2"
45E-PHS-A013	4,500	2,045		5"	5"	48" x 1.50"	II Bolt-On	28"-40"	1,205	548	7.6"	8.2"	9.9"
45E-PHS-Q012	4,500	2,045		3"	7"	48" x 1.25"	II Q.D.	28"-40"	1,150	522	7.6"	6.9"	10.2"
45E-PHS-Q013	4,500	2,045		5"	5"	48" x 1.50"	II Q.D.	28"-40"	1,205	548	7.6"	8.2"	9.9"

- ▶ This unit is equipped with a hydraulic Sequence Valve which provides a method to Sideshift and Platen Adjust using a single hydraulic function. This factory installed configuration eliminates the need for hose reels, solenoid buttons, power cords or cable reels.
- ▶ Sideshift Termination Left, Push/Pull Termination Right. For other termination options please consult Cascade.
- ▶ A four-way hydraulic valve with 3rd and 4th function hydraulic hosing is required on the truck.
- ▶ Operation: The Sideshift and Push/Pull functions are actuated directly by the truck's 3rd and 4th hydraulic hand levers. To operate Platen Adjust, the unit is sidshifted fully to one side whereby the Sequence Valve will then divert the hydraulic flow to the Platen Adjust function.
- ▶ Sideshifting Push/Pulls sideshift 4" either side of center.
- ▶ Also available with (4) 5" forks.

HYDRAULIC FUNCTIONS

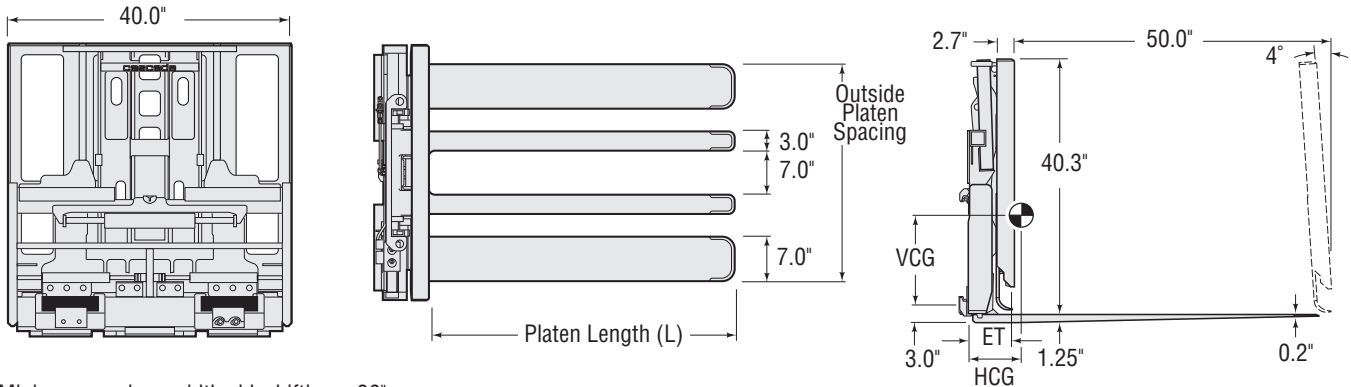
Model	Hydraulic Functions	Truck Auxiliary Valves Required
Mark 55 PHS	3	2

MOUNTING CLASS INFORMATION

Mounting Class	Truck Capacity
II	2,000 to 5,500 lbs

HYDRAULIC FLOW & PRESSURE

MODEL	Maximum Pressure psi/bar	Number of Functions	Min-Rec-Max Function 1 (sideshift) gpm	Min-Rec-Max Function 2 (push/pull) gpm	Min-Rec-Max Function 3 (solenoid valve) gpm
Mark 55, Sideshifting Platens, Sheet-Sav, Load Push	2,300/159	3	1 - 2 - 3	4 - 7 - 10	4 - 7 - 10



Minimum carriage width sideshifting – 36"

Catalog Order No.	Capacity@ 24" (600 mm) Load Center		Type	Inner Platen Size WxL	Outer Platen Size WxL	Mtg. Class/Lower Hook Type	Outside Platen Spacing	Weight		Effective Thickness ET	Horizontal Ctr. of Gravity HCG	Vertical Ctr. of Gravity VCG
	lbs	kg						lbs	kg			
Solenoid Equipped Platen Adjust												
35E-PHS-A011	3,500	1,590	Sideshift, Platen Adjust	3" x 48"	7" x 48"	II Bolt-On	28"-40"	1,145	520	7.6"	6.9"	10.2"
35E-PHS-Q011	3,500	1,590	Sideshift, Platen Adjust	3" x 48"	7" x 48"	II Q.D.	28"-40"	1,145	520	7.6"	6.9"	10.2"

- ▶ This unit is equipped with an electrically activated Solenoid Valve for the Platen Adjust function.
- ▶ **IMPORTANT:** Solenoid voltage must match truck voltage. This unit is equipped with a 12-Volt Solenoid. If you require a different voltage, please specify at time of order.
- ▶ A four-way hydraulic valve with 3rd and 4th function hydraulic hosing is required on the truck.
- ▶ Sideshift Termination Left, Push/Pull Termination Right. For other termination options please consult Cascade.
- ▶ A control knob with push button is included and is to be installed on truck's 4th function hand lever (Push/Pull function).
- ▶ Operation: The Sideshift and Push/Pull functions are actuated directly by the trucks 3rd and 4th hydraulic hand levers. To operate Platen Adjust, depress the Solenoid button on the truck's 4th function hand lever then activate the hand lever.
- ▶ Requires Power Cord or Cable Reel. See Wireless Power & Communication (WPC) System (on the back page) to eliminate the need for Power Cord and Cable Reel.
- ▶ Sideshifting Push/Pulls sideshift 4" either side of center.
- ▶ 5" wide inner and outer platens available, consult Cascade.

HYDRAULIC FUNCTIONS

Model	Hydraulic Functions	Truck Auxiliary Valves Required
Mark 55 PHS	3	2

MOUNTING CLASS INFORMATION

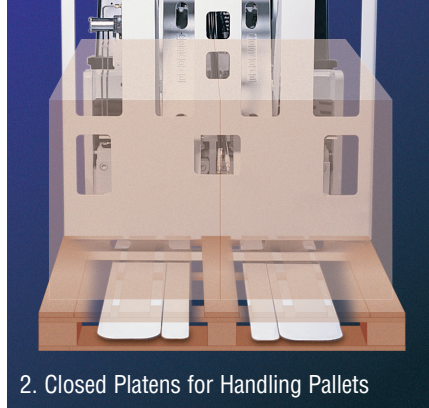
Mounting Class	Truck Capacity
II	2,000 to 5,500 lbs

HYDRAULIC FLOW & PRESSURE

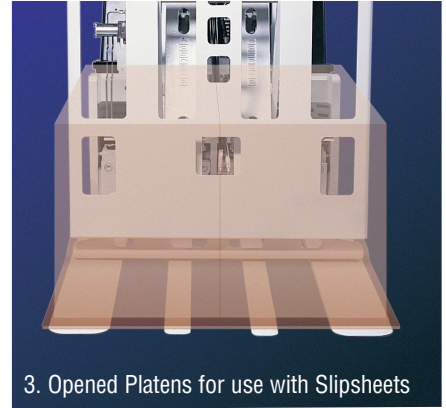
MODEL	Maximum Pressure psi/bar	Number of Functions	Min-Rec-Max Function 1 (Sideshift) gpm	Min-Rec-Max Function 2 (Push/Pull) gpm	Min-Rec-Max Function 3 (Solenoid Valve) gpm
Mark 55, Sideshifting Platens, Sheet-Sav, Load Push	2,300/159	3	1 - 2 - 3	4 - 7 - 10	4 - 7 - 10



1. Platens Spread



2. Closed Platens for Handling Pallets



3. Opened Platens for use with Slipsheets