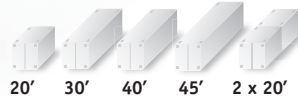




The picture shown is for illustration purpose and may not correspond to the final design



separating twin-lift

## STS45E G2 PLUS TWIN-LIFT SEPARATING All-Electric

- ➔ UP TO 90% REDUCED ENERGY CONSUMPTION
- ➔ SIGNIFICANTLY REDUCED CO2 EMISSIONS FOOTPRINT COMPARED TO A HYDRAULIC SPREADER
- ➔ ELIMINATED RISK OF HYDRAULIC OIL LEAKS

The new STS45E G2 PLUS all-electric twin-lift separating spreader is designed to support terminals in achieving their environmental goals without sacrificing productivity or efficiency. The Bromma all-electric STS spreader is the fastest all-electric spreader in the market with its accurate positioning when telescoping and its increased telescoping and twin separating speed. It is also quieter without a continuously running hydraulic powerpack. So if a terminal requires noise abatement, the new all-electric Bromma STS spreader is a big step in the right direction. By choosing to use an all-electric spreader for the ship-to-shore operations, terminals can also benefit from reduced electricity consumption of up to 90%, thus saving on operational costs and avoiding any risks related to hydraulic leakage.

Made of high-quality, high-strength steel, the STS45E G2 PLUS spreader provides high lifting capacity with a low nominal tare weight thanks to the box design of the telescoping beams and the main frame. All components can be easily assembled, adjusted, removed and are accessible for inspection and maintenance. The STS45E G2 PLUS is equipped with Bromma's best in class Spreader Control Unit (SCU), the spreader control system that is optimized for reliable and superior spreader performance.

### TECHNICAL DATA STS45E G2 PLUS

<p><b>LIFTING CAPACITY</b> 51 metric tons evenly loaded 51 metric tons ±10% eccentric loading Twin-lift of 2X 20' containers 2 x 32.5 metric tons evenly loaded</p>	<p><b>FLIPPER ARM SPEED</b> 180° in approximately 5 sec.</p>
<p><b>LIFTING LUGS</b> 4 x 12.5 metric tons in the main frame and end beams</p>	<p><b>TWIN-LIFT UNIT UP/DOWN</b> Approximately 6 sec.</p>
<p><b>WEIGHT</b> 12.6 metric tons (without extra equipment)</p>	<p><b>POWER SUPPLY</b> 400/230 V AC 50 Hz or otherwise as agreed</p>
<p><b>SEPARATING CAPACITY</b> 0-1600 mm with full load</p>	<p><b>CONTROL SYSTEM</b> SCS - Modular</p>
<p><b>FLIPPER ARM SPEED</b> 180° in approx. 5 sec.</p>	<p><b>CONTROL VOLTAGE</b> 24VDC</p>
<p><b>TELESCOPIC MOTION</b> 20' to 40' approximately 18 sec. 20' to 45' approximately 21 sec.</p>	

