

C A M B R I D G E

New Lift Truck Capacity with Addition of Scale Formula/Information

$$\text{New Capacity} = \frac{A (B + C) - D (E + F)}{E + G + C}$$

- A** = Truck basic capacity in pounds
- B** = Inches from front wheel center line to fork face
- C** = Inches from fork face to truck rating point (usually 24-Inches)
- D** = Weight of scale in pounds
- E** = Inches from front wheel center line to carriage face
- F** = Inches from carriage face to attachment center of gravity (CG)
- G** = J - K
- G** = Inches from carriage face to rear face of load
- H** = Inches from rear face of load to load center
- J** = Thickness of fork
- K** = Thickness of Scale

		CLASS II	CLASS II	CLASS III	CLASS III
	Overall Width of Scale	30"	36"	40"	48"
K	Thickness of Scale (loss load)	4-9/16"	4-9/16"	6-1/16"	6-1/16"
D	Standard Weight of Scale	391 lbs	482 lbs	935 lbs	1,156 lbs
F	COG from Carriage Face HOR	2.130 Inches	2.130 Inches	2.825 Inches	2.825 Inches
	Vertical CG	8.0 Inches	8.0 Inches	10.0 Inches	10.0 Inches



SONICH INDUSTRIAL SALES CO., INC.

CLEVELAND, OHIO

(440) 546-1170 Fax (440) 546-9141

www.sonichindustrial.com

Email: sales@sonichindustrial.com