

Forklift Questionnaire for CLS Installation



Company/End User (full name) _____ Contact _____
 Address _____ City _____
 Phone _____ State/Zip _____
 Sales Organization _____ Sales Person _____

FORKLIFT INFORMATION

Make/Model _____ Capacity _____
 Power (Propane/Gas/Electronic) _____ If Electric, what voltage _____
 Mast Extension Maximum _____ Wheels (rubber/white poly/other) _____

Cargo Lift Scale Model CLS-420 CLS-920i
 NTEP (Legal-for-Trade) Application Yes No
Class II = 16"H NTEP Approved
 Class III = 20"H Non Type Approved

Preferred Scale Connection (scale to indicator) Wired Wireless
 Optional Wireless LAN Card Yes No
 Optional Bar Code Scanner (920i model only) Yes No
 Optional Bar Label Printer Yes No
 Side Shifting Carriage Yes No
 Does the forklift have any carriage attachments
 (fork positioner, side shifter, barrel clamp, etc.) Yes No
 If yes, list attachments: _____

Notes:

Electric forklifts may need additional external power filtering to protect our indicators from surges and power spikes that may cause damage. Electric forklifts should be properly grounded for static protection. Forklift capacity must be de-rated when attachments are installed, see capacity reduction calculation page attached

Reference Figure. 1 below to complete the following questions:

Height of Carriage: _____ inches
 Inside Guards: _____ inches
 Fork Length: _____ inches

Load Backrest (indicate load backrest fitting):
 Not fitted to carriage: _____ Bolted into side: _____
 Bolted into front: _____ Other: _____

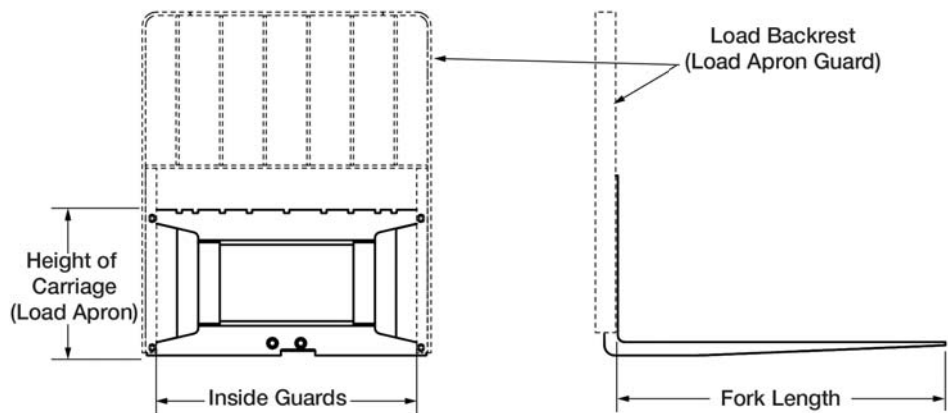


Figure. 1

CAPACITY REDUCTION CALCULATION

While the Cargo Lift Scale will fit most typical forklifts, there are considerations that must be taken into account prior to installation. Due to the extra weight of the CLS, the net lifting capacity of the forklift is reduced by approximately 10%. Use the formula below to calculate the amount to down-rate the lifting capacity and determine the net capacity of the forklift.

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

Where:

- 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")
- D = Weight of scale in pounds (483 lbs)
- E = Inches from front wheel center line to carriage face
- F = Inches from carriage face to scale Horizontal Center of Gravity (HCG)
- G = J + K (inches from carriage face to rear face of load)
- H = Inches from fork face to new truck rating point
- J = Thickness of fork
- K = Thickness of scale

CLS CLASSES AND ID PLATES

During the initial sale or installation of the CLS, remind your customer that they must have an updated ID plate on their forklift stating the new lifting capacity and center of gravity information. This requirement is per OSHA rules and regulations.

	28"	34"	38"
Vertical Center of Gravity (VCG) of Scale =	8.06	8.06	10.15
Horizontal Center of Gravity (HCG) of Scale =	2.09	2.09	2.83
Effective Thickness (ET) of Scale =	4.55	4.55	6.06
Weight of Scale	392	420	987

