



Container Load Trailer System

CLT System



The Container Load Trailer System is a combined handling and transport system for ISO Containers and Military Shelters. The CLT is especially valuable when used as both a container handling device (for lifting, handling, truck or aircraft loading), and as a container transport device (for highway or rough terrain travel). The self-loading CLT can be used to lift and load ISO Containers or Military Shelters, transport them over the road or on rough terrain, and unload and position them at their final destination. It facilitates the intermodal transport of Containers in forward operating areas where more expensive assets such as cranes, forklift trucks, Container Handlers, Hook-Lift systems, trailers, and

K-Loaders may not be available.

The CLT is also capable of roll-on/roll-off loading of 8.5-ft. tall ISO Containers to/from C130 aircraft. Up to two containers can be loaded per aircraft with the auxiliary C130 Loading Kit.

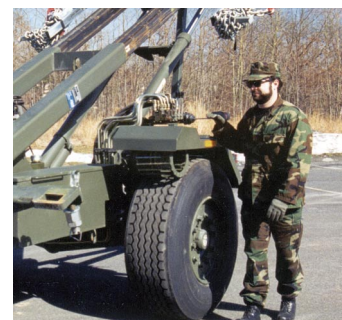
Each CLT system consists of a front steerable half part and a rear trailer part along with interconnecting brake and electrical lines to connect to the tow vehicle. After connection to each end of a container by means of twistlock bolts, the CLT raises the container to ride

height in just a few seconds with its on-board diesel-powered hydraulic system. The CLT can be towed at highway speeds up to 85 kph (50 mph) or on rough terrain at reduced speeds. When not connected to a container, the CLT can be coupled together as a 4-wheel trailer for transport by road, rail, ship or air.

Each CLT includes an integral side lifting capability to permit loading and unload-



The CLT system provides fast and efficient handling of containers



CLT is maneuvered by its own hydraulically operated self-powering kit

CDK Mobile Systems Inc.
P.O.Box 7631
Wilmington, DE 19803-0631

USA
Tel. 302-475-6696
Fax: 302-475-6618

company@cdkmobile.com
www.cdkmobile.com



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Container Load Trailer System

CLT System Data sheet



CLT System loading two containers onto C-130 aircraft



CLT system in transport mode

ing of other transport vehicles for containers weighing up to 24 Tons (52,800 lbs). This capability also permits cross-loading of vehicles (such as commercial to military) at intermodal points. For highway travel at 85 kph (50 mph), system capacity is 20.6 tons (45,320 pounds).

The CLT system includes a 6.2 hp diesel engine powered hydraulic system with four cylinders on each half part to provide the power required for all connection and lift sequences. The CLT's unique patented design also provides for a balanced 3-Wheel han-



CLT system in transport mode on truck

dling position for each half and self powered wheels for ease of unloaded movement and positioning. ■



The CLT System in side lifting mode

Leading Particulars:

Designation	Container Load Trailer (CLT)
NSNs	3950-22-121-6666/3950-22-121-7471
Weight (Empty)	6,375 kg. (14,025 lbs)
Lift Capacity (Container Weight)	24,000 kg. (52,080 lbs)
Transport Capacity	20,600 kg. @ 85 km/h (45,320 lbs @ 50 mph)
Max. Lift Height	1.8 m (71 in)
Width	2.55 m (100 in)
Height	Adjustable
Length (w/20 ft container)	12.7 m (41.6 ft)
Ground Clearance (typical)	50 cm (19.7 in)
Diesel Engine	6.2 hp Kubota, One Cylinder, Electric Start
Hydraulic Pump	5.5 cm ³ /RPM, 110 bar (1,600 psi) pressure
Lift Cylinders	4 ea: 70 mm Piston Dia x 1725 mm Stroke
Positioning Cylinders	4 ea: 30 mm Piston Dia x 1880 mm Stroke
Tires	65R x 22.5 (445 mm width/1150 mm dia)
Suspension	Hydraulic Accumulator
Brakes	4 wheel Full Air
Towbar Lunette Eye	NATO Standard
Air Line Connectors	MS357 46 Compatible
Electrical system	24 V
Electrical Connectors	12-Pin NATO MS75021-1
Corrosion Treatment & Paint	Zinc Treated w/Military Polyurethane Paint
Patent No.	5,006,031



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