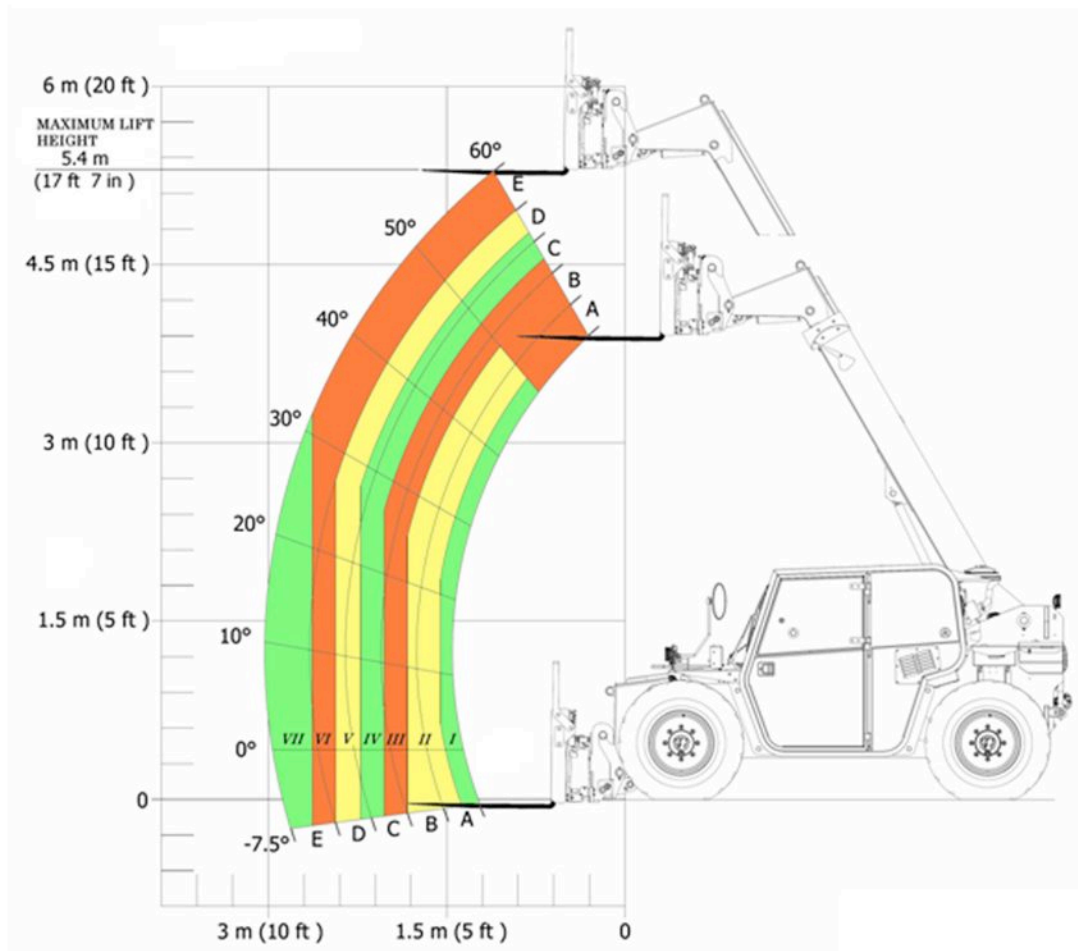


Kalmar RT 022 Forklift

Light Capability Rough Terrain Forklift





I = 2,268 kg (5,000 lbs)

II = 1,906 kg (4,200 lbs)

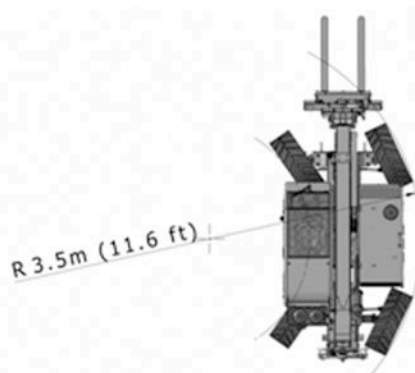
III = 1,361 kg (3,000 lbs)

IV = 1,270 kg (2,800 lbs)

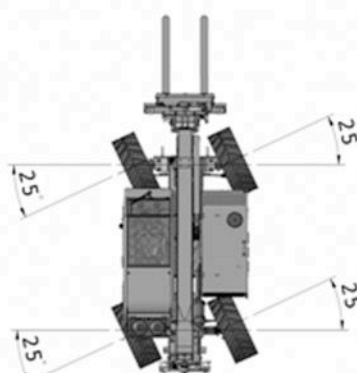
V = 1,134 kg (2,500 lbs)

VI = 1,043 kg (2,300 lbs)

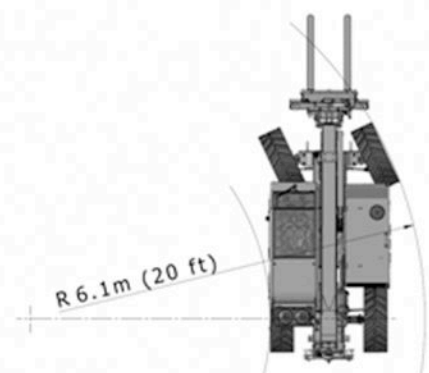
VII = 816 kg (1,800 lbs)



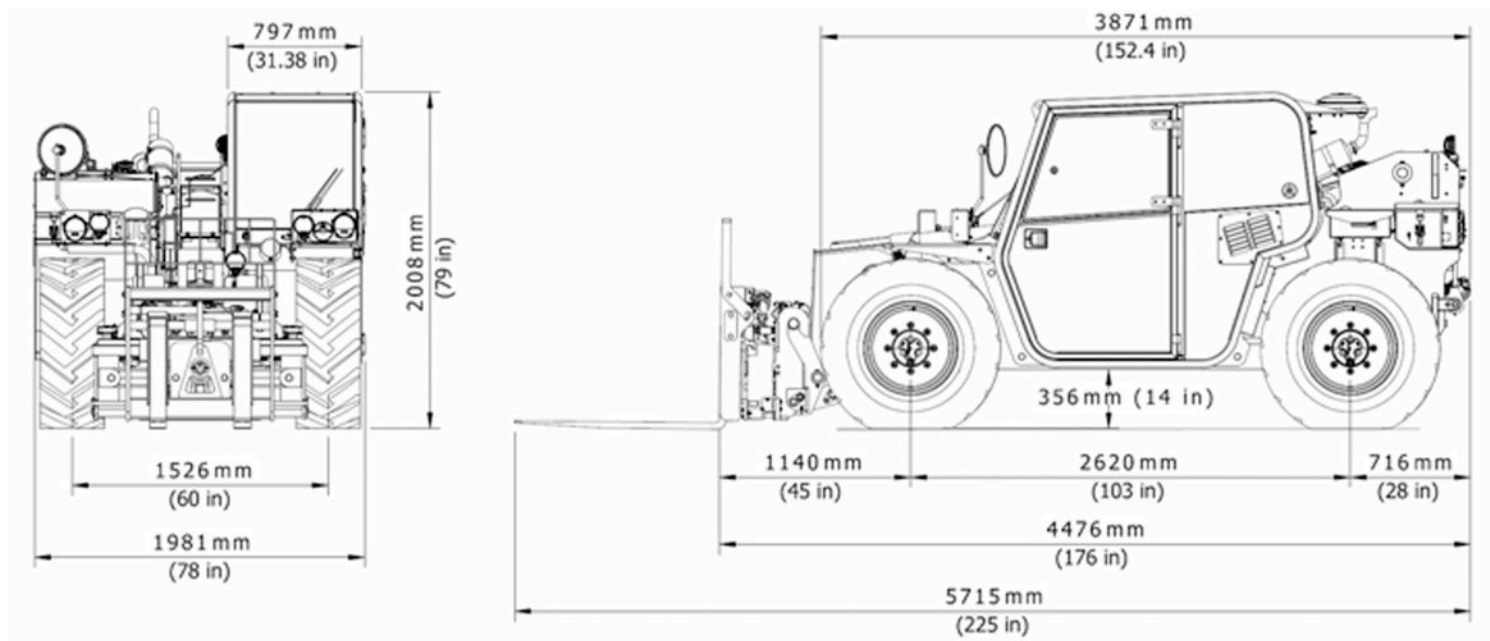
4 Wheel Steer



Crab Steer



2 Wheel Steer



Engine

Make Perkins
 Model 1104D-44T
 Cylinder 4
 Power 68 kW, 91 HP
 Displacement 4.4 L, 269 cu.in
 Cooling Engine driven fan
 Fuel Diesel/JP-8/JP-5

Transmission

Make Linde
 Model HPV75-02
 Type Hydrostatic
 Modes..... Turtle/normal

Axles

Make Carraro
 Front Model 26.16M
 Rear Model 26.16

Brakes

Service.....Hydraulically operated, In-board,
 wet disk type.
 Parking.....Switch operated, Spring applied/
 hydraulically released

Performance

Travel speed 32 km/h, 20 mph
 Gradeability at 2.4 km/h, 1.5 mph
 Laden 45 %
 Fording depth..... 914 mm, 36 in

Weight

Curb weight 6032 kg, 13300 lbs
 Front axle 3298 kg, 7270 lbs
 Rear axle 2735 kg, 6030 lbs

Service Capacities

Fuel tank 86 L, 22.7 gal
 Hydraulic tank 68 L, 18 gal

Tires

Size 380/75R20

Additional Data

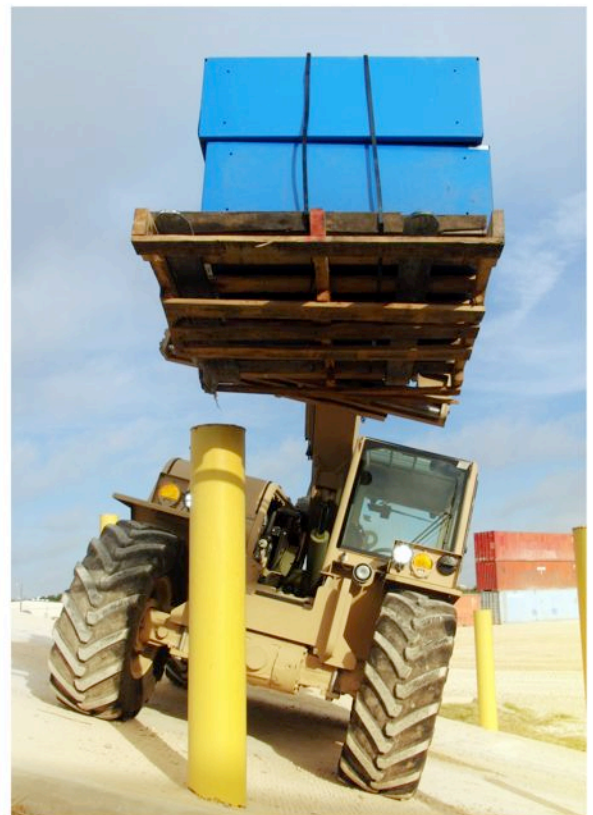
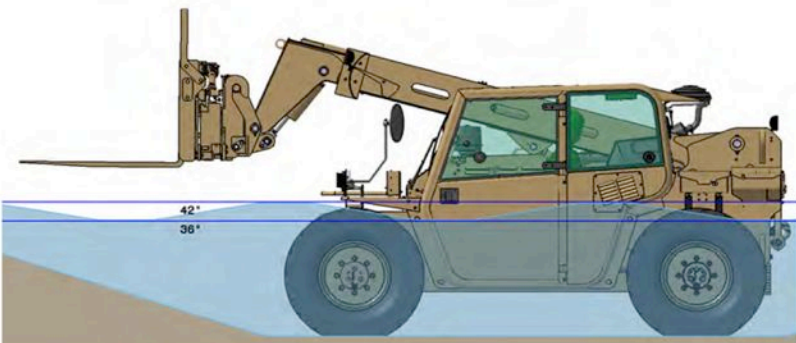
Electrical system 24 V DC
 Alternator 55 Amps



Compact-Agile-Stable

The Kalmar RT 022 Light Capacity Rough Terrain Forklift has a fourteen inch ground clearance coupled with strategically located components allowing the machine to ford up to 36 inches of water.

The machines' integrated tow bar hinges down for towing. A rear mounted pintle is standard equipment. The fork mounted pintle is ready for quick and easy access. Front and rear tie-down and slinging provisions are located for accessibility and built for reliability.





Designed for the Mission

Kalmar RT Center provides material handling solutions for our primary customer the U.S. Department of Defense, its allies, and related government agencies worldwide.

We are a customer focused organization dedicated to the highest level of integrity and innovation, delivering quality products through excellence and teamwork. Our vision is to be the world leader in material handling solution and related services for the government sector. The use of containers is rapidly expanding within most military operations throughout the world. The contingency operations in locations such as Southwest Asia have created situations where troops must be supported in areas of limited or destroyed infrastructure. Military Forces have turned to containerization as a solution to this challenge. The Kalmar RT light Capacity Rough Terrain Forklift or LCRTF with its compact overall dimensions means it maneuvers easily into and out of ISO shipping containers. Its side shifting forks and 5k (2267.961 kg) lift capacity give the LCRTF the ability to load and unload containers with ease.



Material Handling Versatility

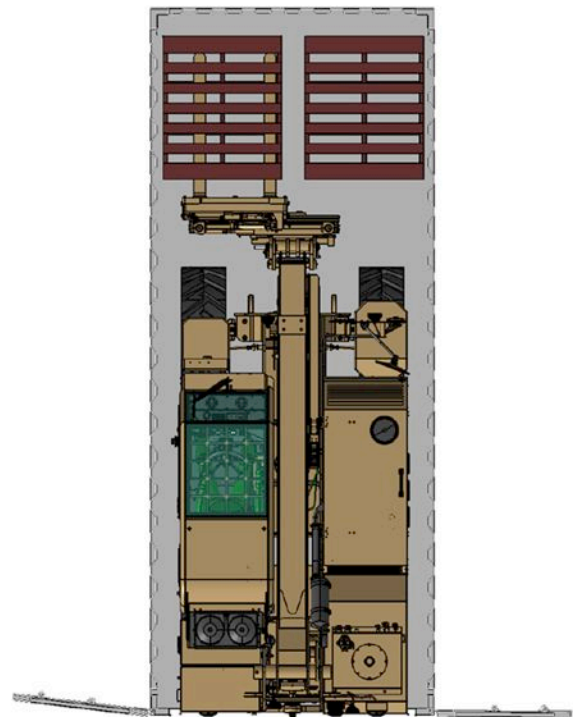


Kalmar RT Center is registered to **ISO 9001:2008**

Productive

The use of containers for the delivery of a wide variety of supplies is rapidly expanding within most military operations throughout the world. Operations in rough and unimproved locations, such as Southwest Asia, have created situations where troops must be supported in areas of limited, destroyed or non-existent infrastructure. Armies have turned to containerization to address this challenge.

The enclosed cab on the Kalmar RT LCRTF provides excellent visibility in all directions with large windows. The controls, gauges, and indicators are laid out in an ergonomic fashion that promote productivity and operator comfort. Complete boom and carriage control is integrated into a single joystick, which enables the operator to never need to remove his/her hand from the joystick or the steering wheel during load handling, thereby increasing productivity and safety. A semi-suspension seat gives the operator the ability to select the back angle and fore-aft positioning. The LCRTF is equipped with a two-piece door-allowing the operator to open just the window, for ventilation, or the door and window together for access/egress.



Rugged - Reliable - Productive

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Rugged

The LCRTF is equipped with an hydrostatic drive train that is larger than similar commercial units for increased reliability. All-time four wheel drive and large tires ensures the LCRTF can handle rough terrain. The front axle features enclosed wet disc brake. Both axles are steerable, so the operator can select between four wheel steer, two wheel steer, or crab steering for optimum maneuverability. The LCRTF can work in tight areas due to it turning diameter of thirty feet while in four wheel steer. The hydrostatic drive system is also configured to allow selection between work and travel modes with the push of a button. The inching capability further increase its safety by allowing precision drive control coupled with high speed hydraulics.

Reliable

The boom on the Kalmar RT LCRTF achieves 113 inches (287 cm) of forward reach, and 231 inches (586.7 cm) fork height at a sixty degree boom angle. It features an easy to see boom angle indicator, boom mounted working light, and proven track carrier system for hose and electrical routing. The lowered pick and carry positions are designed with a negative boom angle to increase right hand visibility. The boom is centered on the machine laterally to improve stability.

The LCRTF is equipped with a rugged carriage that is designed for productive material handling inside ISO shipping containers. The extreme offset capability makes picking pallets against the container wall easy. The carriage also features a standard mechanical disconnect, oscillation, and fork positioning.

Service Kits

Kalmar RT Center's equipment gets the job done. We understand that when a Soldier has a mission to accomplish he needs his equipment to work. We pride ourselves in ensuring it does!



Initial Service Kit

The Initial Service Kit provides the filters and related items to perform the required service after the initial 100 hours of operation. This 100-hour service is a requirement to maintain the warranty.

Basic Issue Item Kit

The Basic Issued Item Tool Kit is an essential kit for maintaining and adjusting LCRTF items that accrue normal wear and tear. The kit includes: hydraulic reservoir wrench, jacking screws, 3/16 long arm hex key wrench, Philips screwdriver (standard, round, 8), crescent wrench, slip joint pliers, and air pressure gauge carried in a black vinyl tool pouch.

Authorized Stocking List Kit

The ASL Kit provides the service parts and filters to perform preventative maintenance services on the LCRTF throughout the 1st 2,000 hours of operation.



We are here to help you!

At Kalmar RT Center we understand the quality of an organization is in direct proportion to its commitment to excellence. At Kalmar RT Center, excellence is our standard.



Field Service and Warranty

The Kalmar RT Center is proud to provide equipment and services to the United States Armed Forces, its allies, and related government agencies worldwide. We are dedicated to providing our customers with the best customer service and support around the clock. Our technicians provide technical assistance and are here to help keep the machines fully mission capable and ready for any mission.

Field Service Representatives

The Kalmar RT Center has Field Service Representatives (FSRs) on the ground in Southwest Asia currently helping United States Armed Forces accomplish their mission.

Reset Services

LCRTF are operated in adverse terrain and conditions around the globe. Our facilities in Texas and Kuwait have certified technicians that are currently restoring our equipment to factory specifications and applying the latest upgrades, so the Warfighter can get the job done. We are currently expanding our Refurb – Reset programs to encompass any MHE equipment, regardless of manufacturer. Our facilities are state of the art capable of a full spectrum of operations from vehicle to component rebuild.

Training Services



40 Hour Operator Training

The operator training course is designed to train operators of the LCRTF and cover complete vehicle operation and load handling, safe operations of the vehicle, general safety, operator Preventive Maintenance Checks and Services, loading and unloading for transport, complete tie down for shipment, and proper use of on-board tools, equipment, and basic issue items (BII). The course consists of seventy percent hands-on training and is 40 hours in duration.

At the end of the each class, the instructor conducts a hands-on performance test for each operator being trained. Certificate of completion is issued upon satisfactory completion.



40 Hour Maintenance Training

The Maintenance training course is designed for field level mechanics supporting the LCRTF and covers minimal operation characteristics, field level PMCS, troubleshooting, diagnosis and repair of system unique control systems, engine, transmission, axle, braking, electrical, hydraulic, boom and other ancillary systems.

At the end of each class, the instructor conducts a hands-on performance test for each operator being trained. Certificate of completion is issued upon satisfactory completion.

